SARGENT
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Full Line Catalog









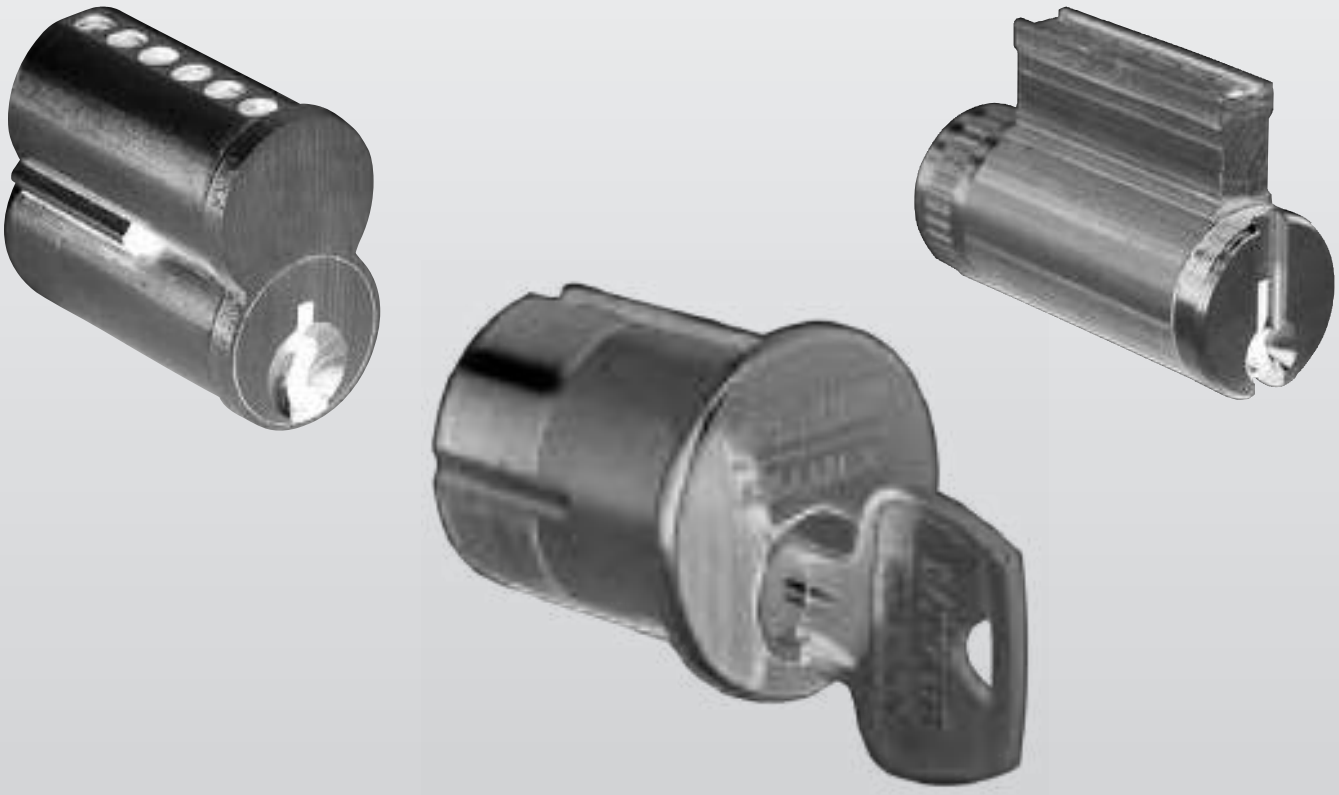


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Product Catalog

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Cylinders & Components



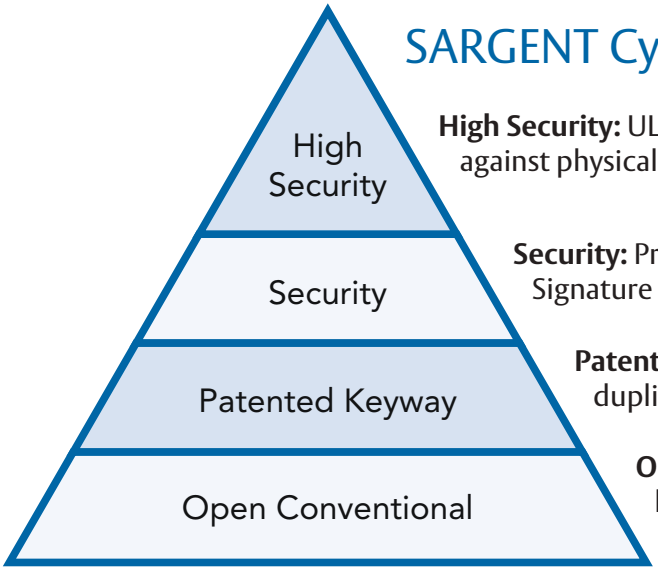
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Cylinders and Components

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SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso.

Security: Protection against picking. Includes Degree DG2, Signature and Keso.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1 and XC.

Open Conventional: Legacy systems whose patents have run out and are not protected.

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On The Cover

#41 Mortise Cylinder

KeyWizard™ Key Management Software

Cylinders and Components

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SARGENT'S KeyWizard™ 5.5 Software Package Tracks Multiple Key Systems Including Keys, Keyholders, Locations, and Hardware Information



This comprehensive key management software package was developed for locksmiths and end-users to track detailed information.

The program features easy to navigate, non-cluttered screens and uses a format similar to Microsoft® Outlook™.

Features:

- Free Technical Support at 1-800-610-1706 and system upgrades for 1 year
- Website support at www.keywizard.net
- Multi-level passwords and access levels
- Clear, easy to read screens
- Manages multiple end user key systems
- Customized query, reporting and search capability
- Global searching across multiple key systems
- Comprehensive hardware schedules
- Keyholder photos and signatures for identity verification
- Scheduled maintenance and reminders for overdue keys and back-ups
- Accurate key symbol sorting
- Multi-level key authorizations and key deposits
- Network and stand-alone versions
- Pinning calculators
- Reports options including printing in a variety of formats and e-mail
- Cylinder and key random serial ID generator
- Key authorization forms that can be printed at will
- Editable field titles
- Ability to connect to a website and search for any updates

How to order for new users:

Single License Version — KW-SS1
Network Version — KW-SSN1
Demonstration Version — KW-DEMO1

How to order, if upgrading from KeyMinder*:

Single License Version — UP-KW-SS1
Network Version — UP-KW-SSN1

*consult factory for eligibility requirements

Keying Data

Keying data (key sets and bittings) is available for order with new or existing systems to eliminate the need for manual data entry into Key Wizard. Place order based on size of system.

Part Number	Description
DLKW1	1 to 50 bittings
DLKW2	51 to 200 bittings
DLKW3	201 to 1000 bittings
DLKW4	1001-3000 bittings
DLKW5	3001-6000 bittings
DLKW6	6001-9000 bittings
DLKW7	Over 9000 bittings

Computer System Recommendations:

REQUIRED:

- 350 MHz processor
- 60 MB hard disk space
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

RECOMMENDED For Better Performance:

- 500 MHz or faster
- 70 MB or more
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order.
An owners letter of authorization must be attached to all purchase orders. Existing key system bittings lists are also available contact key records for more information.

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Cylinders for Bored, Auxiliary, Integra Lock and Mail Box Locks

Cylinders and Components

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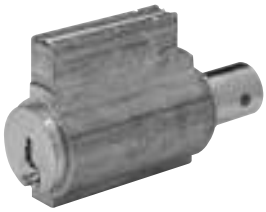
10, 7, 6500 & 7500 (Lever) Line Standard Cylinders



Part Numbers:

C10-1 (13-3266) for all functions (except 50)
C10-2 (13-3492) for Hotel 50 function

8 and 9 Line Cylinders* (Knob Locks)



Part Numbers:

C8-1 (13-2194) for all functions (except 50)
C8-2 (13-2195) for Hotel 50 function

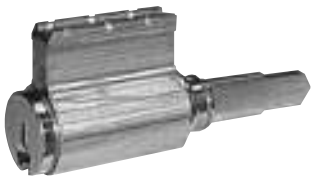
T-Zone (11 Line) Cylinder



Part Numbers:

C11-1 (13-4145) for all functions (except 50)
C11-2 (13-4146) for Hotel 50 function

6 Line Cylinder



Part Numbers:	Knob	Function
C6-1 (13-3129)	S & N	All except 50
C6-1B (13-3130)	B	All except 50
C6-2 (13-3108)	S & N	50 Function
C6-2B (13-3109)	B	50 Function

4101 Mailbox Cylinder



Consult mailbox manufacturer to determine compatibility of cylinder and mailbox. 5 or 6 pin systems

- 2 cut day keys provided
- US Postal regulations prohibit master keyed cylinder

460, 470 and 480 Deadbolt & 7500 Interconnected Deadbolt Cylinders



Part Numbers:	Function
C480-1 (13-3456)	454, 474, 484
C480-2 (13-3457)	7500DB, 455, 485, 487
C480-3 (13-3458)	456, 475, 486
C460-1 (13-3495)	464
C460-2 (13-3496)	465

7600* Integralock Cylinder



Part Number:

C7600-1 (13-3987)
for all functions
(except 26, 27, 50)

5*, 8X and 5500 Line Cylinders



Part Numbers:

C5500-1 (13-3526)
for all functions
(except 5 line 50)

C5500-2 (13-3708) 5 line
50 function hotel

C8X-1 (13-5202)

758/858 Padlock Cylinder



Part Numbers:

C750-1 for
758/858 Padlocks
04 Finish only

1655 Locker Lock Cylinder



Part Numbers:

C1655-1
13-1813 (tail piece)

*** Discontinued products**

All cylinders are 6 Pin and are supplied with 2 nickel silver keys offered in the keyways listed on Page 18 unless noted otherwise.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.
Cylinder finishes: 4 and 15.
For cylinders in competitive keyways, see Page 13.

When double cylinder locksets are keyed alike on both sides, 2 change keys are supplied

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

Cylinders ordered from SARGENT Turbo program are supplied as 1 bitted as standard unless otherwise specified.

Cylinders BHMA A156.5 Grade 1 listed except hotel functions, C5500 and C7600.

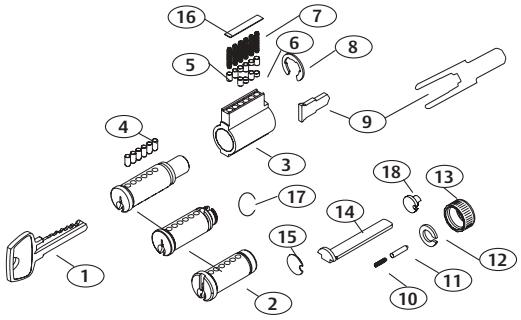
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Cylinder Parts: Bored, Auxiliary and Integra Locks

Cylinders and Components

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Hotel Function Not Shown



Item	Description	Lock Line	Part Number	Comment
1	6 Pin Key Blank		See Table Page 18	
2	Plug Plug Plug Plug Plug & Pin Assembly Plug & Ring Assembly	7600 470, 480, 1655, 7500 460 5500*, 8X 7, 8, 9* Knobs 6, 7 Lever, 8L*, 10, 11, 6500, 7500, 758, 858	13-0090 13-0874 13-0904 13-0920 13-3425 13-3142	New 7600 Only
3	Shell Only Cylinder Shell & Slide Assembly Without Pins & Springs	7600 7, 8L*, 10, 11 Levers, 758, 858 7, 8*, 9* Knobs 6, 6500 460, 470, 480,1655 5500*, 8X	13-1139 13-3257 13-2048 13-3257 – Effective 9/03 13-3493 13-3514	7600 (No Slide) Illustration Shows Slide Disassembled
4	Bottom Pin	All Cylinders	See Table Page 16	
5	Top Pin	All Cylinders	13-0059	Pin No. 10 (Length .200)
6	Master Pin	All Cylinders	See Table Page 16	
7	Compression Spring	All Cylinders	13-0265	
8	Plug Retainer Plug Retainer Ring	5* 7, 8*, 9 Knob Plug manufactured prior to March 2005	01-0870 06-0166	
	Plug Retainer Ring	6, 7 Lever, 8L*, 10, 11, 6500 and 8 line* knob manufactured after April 2005	13-0205	
	Plug Retainer Ring	5500, 8X	01-0870	
9	60-70 Tail Piece 70 Tail Piece 60 Tail Piece 70 Tail Piece 70 Tail Piece 70 Tail Piece 70 Tail Piece 70 Tail Piece 60 Tail Piece Tail Piece Tail Piece Tail Piece Tail Piece Tail Piece Tail Piece Tailpiece	60-70 6500 70-6500 60-7, 10 70-7, 10 70-7, 10 70-7, 10 70-7, 10 70-7, 10 60-11 11 7, 8L*, 10, 6500 6 (S & N Knobs) 6 (B Knob) 5500 758, 858 8X	05-0033 05-0034 10-0239 10-0239 10-0240 10-0286 10-0287 11-0171 13-1385 13-0895 13-0907 13-0908 13-0919 13-1230 13-1849	6 Pin Only 7 Pin Only Except 54 Function 6 Pin Except 54 Function 7 Pin Except 54 Function 6 Pin 54 Function 7 Pin 54 Function All Functions Except 50 Function 05, 24, 37, 38-2, 44
10	Cylinder Cap Spring	460, 470, 480, 1655	13-1555 – Effective 6/03 13-0693 – Prior to 6/03	
11	Cylinder Cap Pin	460, 470, 480, 1655	13-1554 – Effective 6/03 13-0691 – Prior to 6/03	
12	Cylinder Tail Washer	464,474,484 464, 465, 485, 486, 487, 1655	13-0882 13-0883	
13	Cylinder Endcap	460,470,485,1655 series	13-0875	
14	Tail Piece	464, 474, 484 465, 485, 487 475, 486	13-0878 13-0880 13-0881	1-3/4" to 2" (44mm to 51mm) Door Thickness
15	Blocking Piece	460, 470, 480, 1655	13-0884	
16	Slide (Mfg prior June 2008)	7 Old*, 7, 8*, 8L*, 9, 10, 11, 6500 7600	13-0779 13-0816	
16	Slide (Mfg after June 2008)	7, 8*, 8X, 9*, 10, 11, 1655, 6500	13-1341**	
17	Tail Piece Retainer	6, 7, 10, 11, 6500	13-0680	
18	Cam Connector	1655	13-1813	

* Discontinued Product
** See page 13 for Details

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40 Series Mortise Cylinders and 34 Series Rim Cylinders

Cylinders and Components

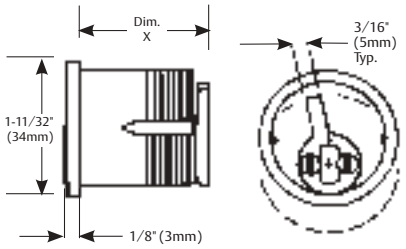
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40 Series Mortise Cylinder



- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- See Cam Chart on Page 8 for cam required
- 6 pin standard; for 7 pin specify "7 pin", size 42 minimum
- No. 41 cylinder not available in 7 pin
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP
- Plug finishes: 4, 15

	Length under cylinder head									
Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim. X	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)



50-40 Series Hotel Type Cylinder

Features same as standard 40 Series cylinders except:

- For use with 7850, 8250, and 9250 only.
- For 6 pin systems only. Note: emergency key is 7 pin.
- Contact factory for compatibility requirements for existing 6 pin systems
- Uses only cam #115 (13-2045)
- Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
- Emergency keys (catalog # 7268 EMK) retract the latchbolt and deadbolt and can also project the deadbolt
- C Series keyways supplied standard, specify if different keyway is required. On 1 bitted or KD, CA key way will be supplied if not otherwise specified
- Consult Sargent Key records dept. when adding Hotel cylinders to existing key systems for compatibility
- Length under cylinder head (Dim. X)
  50-43 1-3/8" (35mm); 50-44 1-1/2" (38mm)

78-40 Series Exposed Shell Only Cylinders



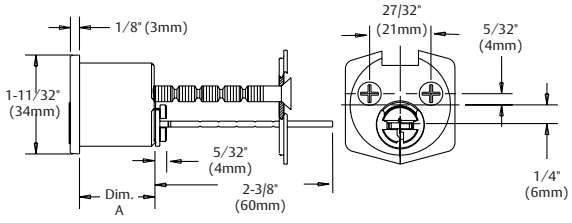
- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- 6 pin standard, for 7 pin specify "7 pin"
- For use with SARGENT mortise locks with Escutcheon Trim (KE 3/4, LE 3/4) only
- See Function Table on Page 8 for cam required
- 78-41 6 pin; single cylinder function only except 50
- 78-42 6 or 7 pin; single cylinder functions only
- 78-43 6 or 7 pin; all functions except 50
- Plug finishes: 4, 15

34 Series Rim Type Cylinder



- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring, "break-off" screws and back plate
- 6 pin standard, for 7 pin specify "7 pin"
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP
- Plug finishes: 4, 15

No. of Pins	Door Thickness when used without outside trim	Dim. A (Min.)
6	2-3/8" to 3-1/4" (60mm to 82mm)	1-1/16" (27mm)
7	2-1/2" to 3-1/2" (64mm to 89mm)	1-7/32" (31mm)



All cylinders are 6 Pin and are supplied with 2 nickel silver keys offered in the keyways listed on Page 18 unless noted otherwise. In cylinders ordered for 5 pin systems the (6th) last chamber will be empty.

When double cylinder locksets are keyed alike on both sides, 2 change keys are supplied.

For cylinders in competitive keyways, see Page 13.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

Cylinders BHMA A156.5 Grade 1 listed except hotel functions.

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Cylinder Parts: Mortise and Rim Cylinders

Cylinders and Components

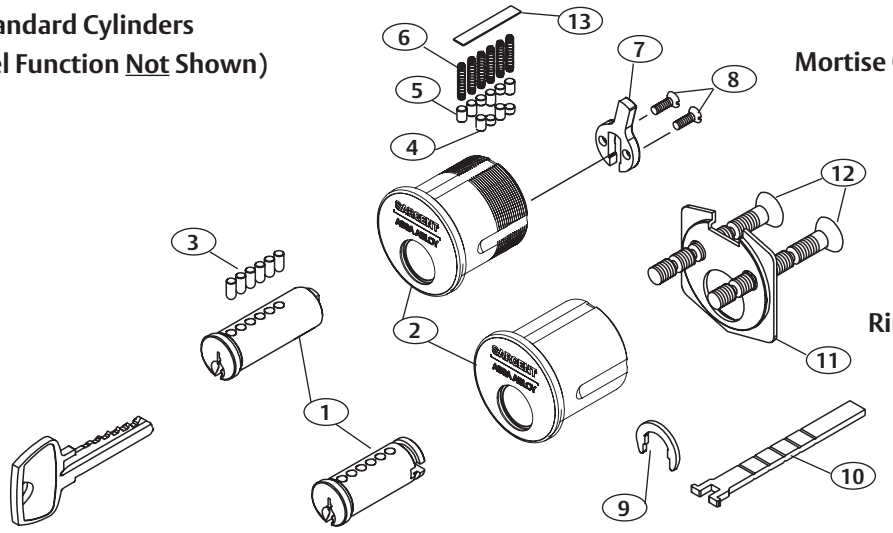
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34 Rim/40 Series Mortise Cylinder Parts

Item	Description	Part Number	Where Used	Comment
1	Plug	See Table Below	40 Mortise & 34 Rim	
2	Cylinder Shell, Cap & Slide Assy.	See Table Below	40 Mortise & 34 Rim	Illustration Shows Slide Disassembled
3	Bottom Pin	See Table Page 15	40 Mortise & 34 Rim	
4	Master Pin	13-0062	40 Mortise & 34 Rim	Pin No. 10 (Length .260)
5	Top Pin	See Table Page 15	40 Mortise & 34 Rim	
6	Compression Spring	13-0265	40 Mortise & 34 Rim	
7	Cam	See Table Page 8	40 Mortise	
8	Screw	01-1121	40 Mortise	#3-48 x 5/16" (8mm) PH. FL.
9	Plug Retainer	13-0080	34 Rim	
10	Tail Piece	13-0085	34 Rim	
11	Cylinder Back Plate	13-0086	34 Rim	
12	Connecting Screws Standard Connecting Screws	13-0075 13-0074	34 Rim 34 Rim	#12-24 x 2-5/8" (67mm) #12-24 x 2-1/8" (54mm)
13	6 Pin Slide 7 Pin Slide	13-0779 13-0780	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg prior to 06-2008* Mfg prior to 06-2008*
13	6 Pin Slide 7 Pin Slide	13-1341 13-1797 v	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg after 06-2008* Mfg after 06-2008*

* See page 12 for Details

Standard Cylinders
(Hotel Function Not Shown)



Mortise Cylinder

Rim Cylinder

No.	Cylinder Length	6 Pin Plug Part Number	7 Pin Plug Part Number	6 Pin Shell & Slide Assy. Part Number	7 Pin Shell & Slide Assy. Part Number
34	—	13-0090	13-0587	13-2005	13-2712
41	1-1/8" (29mm)	13-0401	N/A	13-2005	N/A
42	1-1/4" (32mm)	13-0402	13-0402	13-2006	13-2765
43	1-3/8" (35mm)	13-0403	13-0403	13-2766	13-2766
44	1-1/2" (38mm)	13-0404	13-0404	13-2767	13-2767
46	1-3/4" (44mm)	13-0405	13-0405	13-2768	13-2768
48	2" (51mm)	13-0406	13-0406	13-2769	13-2769
50	2-1/4" (57mm)	13-0407	13-0407	13-2770	13-2770
52	2-1/2" (64mm)	13-0408	13-0408	13-2771	13-2771
54	2-3/4" (70mm)	13-0409	13-0409	13-2772	13-2772
56	3" (76mm)	13-0474	13-0474	13-2773	13-2773

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Cams for Mortise Cylinder

Cylinders and Components

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Cams For Conventional Mortise Cylinders* in SARGENT Keyways



Standard Cam
(13-0664)

Standard open slotted cam provided on all 40 Series - standard. Except: 16, 50 & 92 function Mortise Locks



#105
(13-0665)

Short cam used for 78/8200 (16 & 92) function locks (Inside Cylinder) (Was -3 & -8)



22-Standard
(13-0662)

Cam used for Construction Key Systems (22-), except for 16 & 92 function inside cylinder & 50 function mortise locks



22-105
(13-0663)

Cam used for Construction Key Systems (22-), 16 & 92 function mortise locks (Inside Cylinders)



#115
(13-2045)

Cam used for Hotel (7850/8250) function cylinders only (formally -2)

Miscellaneous Cams*



#101
(13-0512)

Adams Rite
1850, 4700



#113
(13-0921)

SARGENT
4370 Series
key switches



#106
(13-0938)

"Open"
Schlage "L"



#112
(13-0097)

"Open" Misc.

* Two screws attach cam to cylinder, order as an 01-1121, when needed

Cams for 6300 Large Format Interchangeable (Removable) Core Mortise Cylinders (Factory assembled to housing)



Standard

6300 Series
Cam



-105

Cam for
inside of
8216/8292
functions



-115

Cam for
Supplied
standard with
50-63-43 Hotel
50 function
cylinders/locks



-101

ADAMS RITE
1850 4710



-106

Schlage
"L"



-112

Wide
Straight



-113

4370 Series
key switch

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix 63-44-105 cam
- For Standard Cam: No Suffix is required

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Installation Tools for 6300 and 7300 Cylinders

Cylinders and Components

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432 RC
6300 Large Format Interchangeable (Removable) Core Installation Tool



432 IC
7300 Small Format Interchangeable Core Installation Tool



- The 432 RC and 432 IC are tools to assist in installing SARGENT Large Format Interchangeable (Removable) Core and Small Format Interchangeable Core Mortise Housings. These tools make it easy to thread a cylinder body into a Mortise lock and can also help check the cylinder function in a lock before installing the cylinder core
- Order: 432 RC for the SARGENT Large Format Interchangeable (Removable) Core Installation Tool
- Order: 432 IC for the Small Format Interchangeable Core Install Tool

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6300 Series Large Format Interchangeable (Removable) Cores

Cylinders and Components

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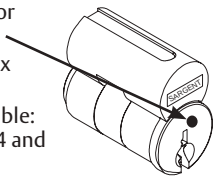
60- Prefix Disposable Plastic Core



- During the construction phase in non restricted areas, disposable plastic cores can be used, eliminating use and distribution of the actual keys
- Once construction is near completion, the permanent keyed cores will be installed and the building secured; permanent keyed cores are ordered separately as 6300 Cores
- Disposable cores are available for Mortise, Exits and most cylindrical lock sets
- Operate with coin or flat screw driver
- One piece design allows for easy installation
- To order separately: Use p/n 13-5177
- Mortise Sizes available: 60-42, 60-43, 60-44 & 60-46
- Available 6300 Mortise Cams on Pg 6
- Specify required Cam as a suffix: 60-44-105 cam
- For Standard Cam: No Suffix is required

64- Prefix Construction Keyed Large Format Interchangeable (Removable) Core Keyed Cylinders

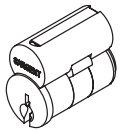
- The SARGENT 6400 interchangeable brass construction core enables doors to be locked during project construction period
- Using 6400 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 6400 brass cores are removed and replaced with 6300 keyed-permanent interchangeable Cores
- A special control key releases the locking sleeve of the cylinder core allowing immediate removal of the core
- Construction cores are all keyed alike in one KA keyset
- Furnished with 6 keys and 1 control as standard
- Plug face dimpled for easy identification
- Order as a 64- prefix with products
- Mortise Sizes available: 64-42, 64-43, 64-44 and 64-46



- Available 6300 Mortise Cams on Page 8
- Specify required Cam as a suffix: 64-44-105 cam
- For Standard Cam: No Suffix is required
- For keyed temp core sold separately use catalog # 6400
- For Construction Control Key use catalog # 6251 CTL
- For Construction Master Key use catalog # 6251 CMK

6300 Permanent Large Format Interchangeable (Removable) Cores Cylinders

- SARGENT LFIC (Removable) Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from a door to rekey the opening
- Special "control" key is used to release a locking cam allowing immediate removal of the core
- Available for use in many SARGENT products (Exit Devices, Mortise locks, Bored locks and padlocks)
- LFIC Key Systems can also include conventional cylinders operated by the same Master/change keys when the 6300 quick change feature is not needed



- Can be master or grand-master keyed
- 2 Change keys provided
- 6 pin standard
- 1 bitted available for field keying
- 1 bitted cylinders supplied with 2 key blanks, pins and springs in chambers in 3 and 4 only
- HA keyway will be supplied unless otherwise specified
- Wide variety of master key systems available
- Permanent (keyed Large Format Interchangeable) cores supplied with hardware unless specified otherwise
- Available in the following SARGENT keyway families: A, B, C, G, H, K, L, N, R, and V
- Also available in the following single key sections: CR and S
- Control key is 6272 CTL, ordered separately
- Finishes: 4, 15
- Ordering as a: 6300 LFIC Core x finish and give all keying information

65-6300 Unassembled Core Only

- Unassembled core for field rekeying. Includes Control Sleeve and two key blanks
- Springs and pins to be ordered separately (see Pages 16 &17)
- 65- Prefix - Uncombinate Cores
- Finishes: 4, 15
- HA key way will be supplied standard, unless otherwise specified
- Order as: 65-6300 x finish x keyway (6 pin only)

6300 Series Parts Only

13-0795	Plug, Finishes: 4, 15
13-3424	Inner Shell & Slide Assy, Finishes: 4, 15
13-0796	Control Sleeve
01-0660	Plug retaining ring
13-0797	Slide for Cylinders with a box around the word SARGENT (Mfg prior to 4/06)
13-1341	Slide for Cylinders WITHOUT a box around the word SARGENT (Mfg after 3/06)

For pins, springs & keying kits see Pages 16 & 17

63-34 Rim Cylinder

- Housing: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression ring
- Includes the same tailpiece and screw hole pattern as the #34 cylinder
- Finishes: 3,4,9,15,10,10B,10BE,10BL,20D, 32,32D,BSP
- Order as: 63-34 x Finish
- Also available: 60-34 & 64-34 Rim Cylinders

63-40 Series Mortise Cylinders Standard & Hotel Function Cylinders



- Cylinder: Solid brass 1-5/32" diameter
- Cap: Brass, bronze and stainless steel
- Furnished standard with No. 97 rosette and compression ring
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- HA Standard Keyway (Except Hotel)
- For use in Sargent 78/8250s hotel function only, "C" series keyway supplied standard, unless otherwise specified. Offered in 50-63-43 size only (1-3/8") with 115 cam only
- Hotel emergency key is 7269 EMK, ordered separately
- Order hotel cylinders as 50-63-43 or 50-60-43 which will include the 115 cam as standard
- Other SARGENT keyways available
- Mortise Sizes available: 63-42, 63-43, 63-44 & 63-46
- Available 6300 Mortise Cams on Pg 6
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required
- Finishes: 3,4,9,15,10,10B,10BE,10BL,20D, 32,32D,BSP
- Order as: 63-42 x Finish

- 60-42 same as above, but supplied with plastic disposable plastic core

63-40 Series Mortise Cylinder Sizes

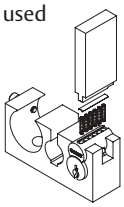
Cylinder #	63-42	63-43	63-44	63-46
Length	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)

436-1 Slide Block Kit

- Includes fixture and staking tool for use only with the (10)- 6300 Series Cylinders manufactured after March 2006 for the ease of top loading in the field
- The kit includes 100 each slides p/n 13-1341, Staking Block and staking tool
- Cylinders manufactured after March 2006 will not include the box around the SARGENT logo and can be used with this kit



Cores without a box around the word "SARGENT"



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7300B Small Format Interchangeable Cores

Cylinders and Components

SARGENT
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73- & 73-7P Series Small Format Interchangeable Core Cylinders 6 & 7 Pin

- SARGENT Interchangeable Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from the door to rekey the opening
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M. SARGENT will extend any key system after receipt of an existing bitting list from the end user
- New key systems are available in either 4A or 4B keyways. 4A in a 2 step system will be supplied standard on new systems
- A2 or A4 systems available

For hardware to be supplied with keyed cores use 73- prefix for 6 pin cores and 73-7P for 7 pin permanent cores provided

7300B Keyed Interchangeable Core

- Supplied keyed with two nickel silver change keys as standard
- Face includes SARGENT logo
- If Control keys are required order as 6282BCTL for 6 pin systems or 7282BCTL for 7 pin systems
  - 6 pin system master keys are ordered as 6282BMK
  - 7 pin system master keys are ordered as 7282BMK
- Finishes: 4, 15
- Order separately as:
  7300B x Finish (for 6 pin)
  7P-7300B x Finish (for 7 pin)

65-7300B Uncombinated Interchangeable Cores

- Cores for field keying
- No pins, springs or key blanks provided
- No logo on face
- 65- Prefix — uncombinated Cores
- Finishes: 4, 15
- Order as:
  65-7300B x Finish (for 6 pin)
  65-7P-7300B x Finish (for 7 pin)



65-7300B Shown

70- Prefix Disposable Plastic Construction Core For SFIC

- Used for doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- Mortise and rim cylinders accepts either 6 or 7 pin permanent cores. Cylindrical lock sets ships with plastic core and 6 pin tail piece installed while the 7 pin tail piece is packed loose with the lock set
- One piece design allows for easy installation
- Only available with standard cams
- To order separately use p/n 13-5176



72- Prefix Brass Interchangeable Construction Core

- SARGENT 7200 Interchangeable 6 pin brass construction core (order 72-prefix with your SARGENT products) enables doors to be locked during the project construction period. Hardware prepared to accept 6 or 7 pin cores installed at job completion
- Using 7200 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 7200 brass cores are removed and replaced with 7300 keyed-permanent interchangeable cores. Mortise and rim cylinders accept either 6 or 7 pin permanent cores. Key in lever locks ship with 6 pin tail installed and 7 pin tail piece shipped loose for use with 7 pin cores
- Plug face is blue for easy identification
- A special Construction Control key 6254 B CTL releases the locking sleeve of the construction core and allows for immediate removal of the core
- Construction cores are 6 pin and keyed alike construction master 6282 B CMK
- Six (6) change keys and one (1) Control key is included
- Cores shipped with hardware
- Only available with standard cams
- For keyed temp core sold separately use catalog # 7200

Key Blanks/Cut Master Type Keys (Nickel Silver)

- 6 pin key blank — order as 6285B x keyway
- 7 pin key blank — order as 7285 B x keyway
- Packed 50 per box
- SARGENT Keyways: 4A, Restricted 4B
  Competitors: A, B, C, D, E, F, G, H, J, K, L, M
- Cut 6 pin master key, order as cat #6282BMK
- Cut 7 pin master key, order as cat. # 7282BMK
  Cut 6 pin control key order as cat. # 6282BCTL
  Cut 7 pin control key order as cat. # 7282BCTL

73-34 Rim Cylinder

- Brass cylinder and housing
- Furnished with No. 97 rosette, break off screws and back plate
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Housing accepts 6 or 7 pin core
- Mounting holes located to match SARGENT hardware
- Finishes: 3, 4, 26, 26D



73-43 or 73-46 Series Mortise Cylinders



- Two cylinder sizes
- #43, 1-3/8" (35mm) length under cylinder head including cam
  73-43 (6 pin)
  73-7P-43 (7 pin),
  70-43 housing less core
- #46, 1-3/4" (44mm) length under cylinder head including cam
  73-46 (6 pin), 73-7P-46 (7 pin)
  70-46 housing less core
- 1-5/32" (29mm) diameter housing
- Furnished with No. 97 cylinder rosette as standard
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cam is permanently staked to housing
- Housing accepts 6 or 7 pin cores
- Only available with SARGENT off set cam
- Hotel Function not available
- Finishes: 3, 4, 9, 10, 10BE, 10BL, 20D, 26, 26D, BSP

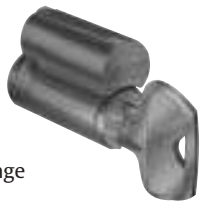
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Old Style Removable Cores Mortise/Rim Cylinders

Cylinders and Components

SARGENT ASSA ABLOY

51- Prefix Old Style Removable Core Cylinder



- SARGENT Removable Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from the door to rekey the opening
- Special "control" key is used to release a locking cam to allow immediate removal of the core
- Available for use only in SARGENT products, such as exit devices or mortise locks, which use rim or mortise cylinders
- SARGENT Offset Cams only
- Available for existing systems only
- Can be master or grandmaster keyed

  Note: If ordering for existing construction key system, provide all keying information.
- Consult factory for existing system compatibility
- Plug finishes: 4, 15
- Finishes: 3, 4, 9, 10, 10B, 10BE, 20D, 32, 32D, BSP

52- Prefix Old Core Style Construction Removable

- A separate order for permanent cores, with keysets keying information, door and item numbers, should accompany the lockset order. The permanent cores will be shipped directly to the distributor and not to the job site.
- All locks ordered with removable construction core cylinders will be invoiced at the regular price established for 51- prefix
- A separate invoice will be issued to cover the permanent cores at prices listed for removable cores
- Plastic disposable cores not available
- For Construction Control Key use catalog # 6252 CTL
- For Construction Master Key use catalog # 6252 CMK

Removable Core Cylinders

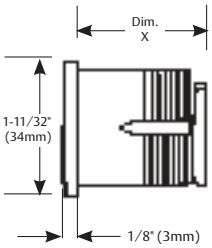
Mortise Type

Series	No. Pins	Length under cylinder head including cam				
		1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)
140 Cylinder	7	N/A	142	143	144	146
Core Only	7	N/A	5142	5143	5144	5146

Rim Type

Series	No. Pins	Maximum overall length
134	7	3-3/4" (95mm)

Furnished standard with No. 97 rosette, "break off" screws and back plate.



Rim Type "Core Only"

	No. Pins
5134	7

Note: These cylinders use the last chamber for the control sleeve.
Standard keys contain a cut in this position to engage the control function.

To order mortise housing, order as:

13-2052 x finish (1-1/4")

13-2053 x finish (1-3/8")

13-2054 x finish (1-1/2")

13-2055 x finish (1-3/4")

Note dimensions are are with core/cam installed.

Note: Cams are attached to the core and not ordered with housings.

For rim housing only order as 13-2057 x finish.

Back plate 13-0086 and screws 13-0074 are to be ordered separately.

How to Order

Mortise	Add 52- prefix to removable core cylinder number (Example: 52-142) Not available for functions 50 and 52
Rim Type	Add 52- prefix to removable core cylinder number (Example: 52-134)

To order removable cores only for mortise and rim type cylinders, add 52- prefix to core designation (Example: 52-5142 or 52-5134)

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Competitive Keyway Cylinders, Bump Resistant Cylinders, Kits and Top Loading Kits

Cylinders and Components

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Conventional Mortise and Rim Cylinders

SARGENT offers cylinders in other manufacturers' keyways. They can be ordered as a prefix for hardware or ordered separately by part numbers. The following product lines are available with SC- and SE- prefixes:

- #41 Mortise Cylinder applications only
  - 7800/8200 Mortise Locks
  - KP8200 Keypad Operated Product
  - 4870 Deadlock
  - 20, 30, 80 and 90 Series Exit Devices
- #34 Rim Cylinder applications
  - KP8877 Keypad Operated Products
  - 8877 Profile Series Access Control Products
  - 20, 30, 80 and 90 Series Exit Devices
- All cylinders 0 bitted and supplied with two brass key blanks as standard. Hotel function not available
- Mortise and rim cylinders supplied without SARGENT logo on face of cylinder and with No. 97 rosette when ordered without hardware
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Mortise cylinders only supplied with SARGENT offset cam similar to 13-0664. Rim cylinders only with SARGENT mounting screw locations. Separate parts not available for these cylinders
- Master keyed cylinders not available
- All mortise cylinders 1-1/8" (29mm) long with standard 1-5/32" shell diameter
- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D, BSP

	Keyway	
Cylinder Type	**Schlage "C"**	**Schlage "E"**
Mortise #41	SC-41	SE-41
Rim #34	SC- 34	SE-34

How to Order

Part number x SC or SE #34 or 41 x Schlage keyway type
Example: SC-41 x Finish

Conventional Bored/Cylindrical Lock Cylinders

The following cylinders can be ordered in competitor's keyways.

- All cylinders 0 bitted and supplied with two brass key blanks as standard. Hotel function not available.
- Cylinders include tail pieces
- Finishes: 4, 15

	Keyway	
Lock Line	**Schlage "C"**	**Schlage "E"**
7, 10, T-Zone (11) & 6500	SC-C10-1	SE-C10-1
470/480 Deadlock	SC-C480-1	SE-480-1

How to Order

Part number x SC or SE x finish Schlage keyway type
Example: 13-3614 x SE x 26 Schlage E keyway

SARGENT Bump Resistant Cylinders

These cylinders employ specially engineered patented components designed to resist bumping while maintaining the cylinder's strength.

Bump resistant cylinders offer these features:

- Added line of defense against intruders
- Prevents unauthorized entry

The bump resistant feature is available for the following conventional cylinders (6 and 7 pin only):

- Mortise Cylinders: Conventional and XC (11-)
- Rim Cylinders: Conventional and XC (11-)
- Bored Cylinders: Conventional and XC (11-)



BR is marked on the cylinder slide to identify Bump Resistant Cylinders

Specify bump resistance by adding BR Prefix.

Not available with 63- or 73- cylinder options

How to order example: BR-10G04 LL 26D

437BR Bump Resistant Re-Pinning Kit

The 437BR Kit is used to convert existing cylinders into bump resistant cylinders. Simply replace the drivers and springs in all chambers. Each kit includes 300 pins for use in mortise/rim cylinders, 300 pins for use in KIK/KIL cylinders and 600 springs.



436-1 Top Loading Tool Kit

Top loading feature for conventional cylinders and LFIC simplifies the repinning process. The dovetail cut at the top of the cylinder body allows the slide to be "peeled" off easily, without removing the barrel from the cylinder. These conventional cylinders can be easily identified with the "figure eight" marking on the back of the cylinder body (Shown).

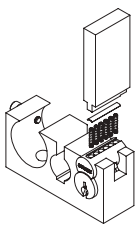
436-1 Kit is used for top loading of Large Format Interchangeable (Removable) Cores or Conventional Cylinders

This Kit includes the following components:

- Staking Block
- Staking Tool
- 100 Slides (6 Pin)

Addition Slides Available:
7 Pin slides (Part#13-1797)
6 Pin slides (Part#13-1341)
ordered separately







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124 Mortise Turn Lever Cylinders Rosettes and Blocking Rings

Cylinders and Components

SARGENT
ASSA ABLOY

124 Series Turn Lever

- Used in mortise locks in lieu of cylinders when keyed cylinders are not required
- Furnished standard with No. 97 cylinder rosette when ordered separately
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cylinder: Brass
- Turn lever: Brass or bronze
  Cap: Brass, bronze, stainless steel
- Finishes:
  4, 10B, 10BE, 32D, BSP



No.	124-41	124-42	124-43	124-44	124-46
Length Including Cam (Dim. x)	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)

Cam No. Suffix	Description
None	Sizes 41, 42, 43, 44 & 46 for standard offset SARGENT cam
-101	Sizes 41, 42, 43, 44 & 46 x cam for Adams Rite 1850 lock
-105	Sizes 41, 42, 43, 44 & 46 x cam for inside of 16 and 92 mortise lock
-106	Sizes 41, 42, 43, 44 & 46 x cam for Open Schlage L
-112	Sizes 41, 42, 43, 44 & 46 x cam for Open Misc.
-113	Sizes 41, 42, 43, 44 & 46 x cam for 4370 Series Keyswitches

No. 1KB Rosette



- Used with 8200 Series mortise locks and No. 90 blocking rings when cylinders project from door
- Free spinning to protect cylinder from vandalism
- Consult 8200 series catalog for Rosette application details
- Furnished standard with 8200 LN and L rose design mortise trim
- Cast brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:

1KB-1	5/16" (8mm)
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP

Cylinder Nut Wrench



This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

No. 97 Rosette



- Standard for cylinders ordered separately from hardware
- Standard for 4800 dead bolts and 7900 and 7800 series mortise locks
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP

No. 1SB Cylinder Collar



- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Projection from door:

1SB-1	5/16" (8mm)
1SB-2	7/16" (11mm)
1SB-3	9/16" (14mm)
1SB-4	11/16" (16mm)

- Finishes: 32, 32D

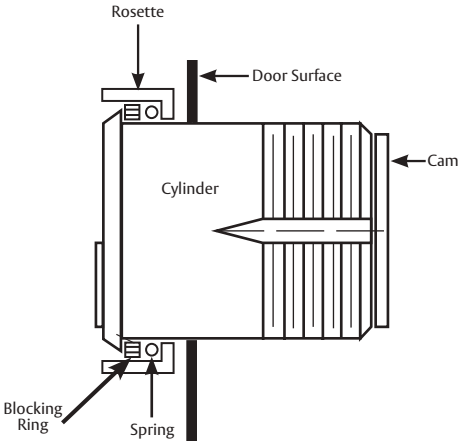
Note: Hardware ordered less cylinder will be provided with the standard collar and/or blocking rings for the standard 1-1/8" mortise cylinders

When using cylinders that are longer consult individual catalogs to order proper size collars and/or spacers.

No. 90 Blocking Ring



- Used with rosettes as spacer when mortise cylinder projects from face of door as shown below
- Consult 8200 series catalog for Blocking ring application details
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; available in thickness of 1/16", 1/8", 3/16", 1/4" and 3/8"
- Specify thickness when ordering: Order as a #90 x 3/16" for the thickness needed
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP



Crosscut illustration of rosette application

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Construction Master Keying Lost Ball, Split Key Construction Keying Kit (Lost Ball)

Cylinders and Components

SARGENT
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21- Prefix Lost Ball Construction Keying

Cylinders ordered in SARGENT keyways with construction keying will include the 21- prefix Lost Ball feature as standard. This replaces the 22- split key, only available as additions to existing 22- mastered keyed systems. The 21- is not available with old or new style removable/interchangeable core (5100 & 6300s). If construction keying is required for removable/interchangeable cores, use 52- or 64- construction keyed cores.

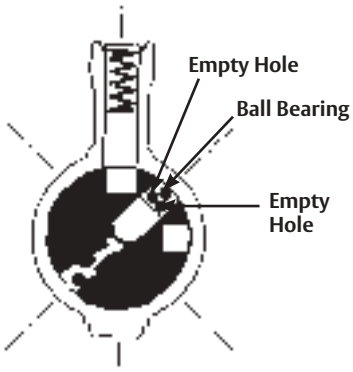
With the lost ball option, construction keying is obtained easily without going back to each cylinder and removing the construction split key when the building gets turned over.

With this feature, the 21- cylinder is master keyed with small ball bearings in one of the chambers. The plug is drilled in two places along both sides of the same chamber containing the balls. This allows the construction master key to be used, while leaving these balls in the chamber above the plug when the key is rotated. When it is time to void the construction key, by simply using the change (day) key these balls will fall into the holes in the plug. The construction master key will now no longer operate the lock.

Field construction (21- lost ball) keying can also be easily accomplished with the # 439 LOST BALL REKEYING KIT. The kit includes a drilling block, knurled pin, 500 balls and drill with collar.

Orders with 21- will have all change keys shipped separately from hardware. New key systems provided with six construction master keys unless otherwise specified.

Additions to orders to existing systems are not provided with construction masters unless ordered separately.



Cutaway cylinder showing construction master key being used. The ball bearings lie flat with one positioned behind the other. They are not stacked.

To Void Construction Key

Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.



Change key inserted in cylinder



As change key rotates, construction balls fall into hole in the side of plug



Change key rotated to position for extraction



Construction key inserted after balls are trapped. Driver now extends into plug chamber. Construction key will not rotate

22- Prefix Split Key Construction Keying

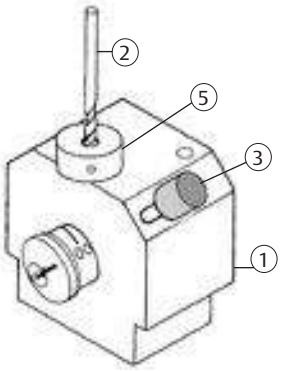
The 22- prefix for split-key construction keying is available only for **existing systems**. When construction is completed, each cylinder must have the construction split key removed with extractor tool part number 14-0070 (one supplied per order). Orders with 22- prefix will have all change keys shipped separately from hardware. Not available with XC or Signature cylinders, non-SARGENT keyways or with cylinders used in other manufacturers' locks. Construction Master Keys part number 6250 CMK must be ordered separately.

439 Construction Keying Kit (Lost Ball)

This kit is designed to allow field construction master keying of SARGENT conventional, Signature and XC cylinders.

Each kit includes:

1. Drilling block
2. Drill bit
3. Knurled pin
4. Hex key (not shown)
5. Collar & Set screw Assy.
6. 500 each balls, P/N 13-1103 (not shown)



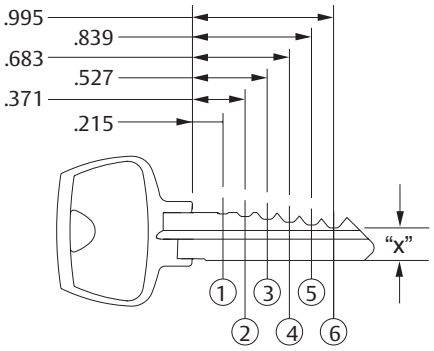
Drill block shown with plug being prepared for field construction keying

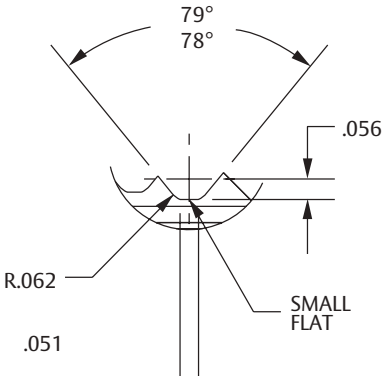
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Bitting Dimensions, Pins and Springs

Cylinders and Components

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6 PIN POSITIONS Shown, depth and spacing are the same for 5 & 7 pin

Depth tolerance ± .002", spacing tolerance ± .001"

Cut#	1	2	3	4	5	6	7	8	9	10
X	.330	.310	.290	.270	.250	.230	.210	.190	.170	.150

Above bitting dimensions are for SARGENT cylinders in the following keyway families: A, B, C, G, H, K, L, N, R, V
Note: Maximum Adjacent Cut Specification (MACS) = 7

Springs

13-0265 used in all cylinders except 3rd & 4th position of 6300 and 10-6300 cores for factory pinned cores prior to January 2009
13-0487 used in 3rd & 4th position of 6300, 10-6300 cores for field rekeying for factory keyed cores prior to January 2009
13-1769 spring used in all chambers except 3 & 4.
Cylinders that use 13-0265 will be used with hollow drivers in the 3rd and 4th chamber when a #2 split

Brass Pins for SARGENT Keyways

Bottom Pins		Length
SIZE #1	13-0064	.170
SIZE #2	13-0065	.190
SIZE #3	13-0066	.210
SIZE #4	13-0067	.230
SIZE #5	13-0068	.250
SIZE #6	13-0069	.270
SIZE #7	13-0070	.290
SIZE #8	13-0071	.310
SIZE #9	13-0072	.330
SIZE #10	13-0073	.350

All pins .115 diameter

Master/Driver Pins		Length
SIZE #2	13-0051	.040
SIZE #3	13-0052	.060
SIZE #4	13-0053	.080
SIZE #5	13-0054	.100
SIZE #6	13-0055	.120
SIZE #7	13-0056	.140
SIZE #8	13-0057	.160
SIZE #9	13-0058	.180
SIZE #10	13-0059	.200
SIZE #11	13-0060	.220
SIZE #12	13-0061	.240
SIZE #13	13-0062	.260
SIZE #14	13-0063	.280

10-34 & 10-40 Signature Pins

Hardened stainless steel bottom pins used only in the 1st chamber of 10-UL 40 Series mortise cylinders & 10-UL 34 Series rim cylinders.

SIZE #1	13-1210	SIZE #6	13-1215
SIZE #2	13-1211	SIZE #7	13-1216
SIZE #3	13-1212	SIZE #8	13-1217
SIZE #4	13-1213	SIZE #9	13-1218
SIZE #5	13-1214		

Stainless spool driver 13-1223 used in all position 10-UL 40 Series and 10-UL 34 Series cylinders.

6300, 10-6300 & 11-6300 Large Format Interchangeable (Removable) Core Hollow Top Pins

Different top pins are used only in the 3rd and 4th positions of 6300, 10-6300 of factory keyed LFIC (Removable) Cores.
All other chambers use standard top pins.

SIZE #3	13-1229	SIZE #8	13-1238
SIZE #4	13-1234	SIZE #9	13-1239
SIZE #5	13-1235	SIZE #10	13-1240
SIZE #6	13-1236	SIZE #11	13-1761
SIZE #7	13-1237		

Pins Supplied with Keying Kits

	437C/437S		437RC
Size #	Bottom Pins	Master/Driver Pins	Hollow Top Pins used in chambers 3 and 4 of 6300s with spring 13-0487
1	13-0064		
2	13-0065	13-0051	
3	13-0066	13-0052	13-1229
4	13-0067	13-0053	13-1234
5	13-0068	13-0054	13-1235
6	13-0069	13-0055	13-1236
7	13-0070	13-0056	13-1237
8	13-0071	13-0057	13-1238
9	13-0072	13-0058	13-1239
10	13-0073	13-0059	13-1761
11		13-0060	
12		13-0061	
13		13-0062	
14		13-0063	

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Conventional, Signature and LFIC (Removable) Core Keying Kits and Depth Key Sets

Cylinders and Components

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437C Conventional Keying Kit

Includes the brass pins, springs and tools needed to rekey SARGENT conventional, XC cylinders (Except SFIC) and interchangeable cores master keyed after January 2009. This heavy duty steel kit prevents pins from mixing. The kit includes 100 each of top springs 13-0265,100 each 13-1769 springs used with standard drivers in the (10-) 6300 cores and 100 each of bottom and master/driver pins used in the following multi-family keyways: LA, RA, HA, CA, AA, BA, GA, KA, NA and VA.

Note: When re-pinning SARGENT 6300 Large Format Interchangeable (Removable) Core cylinders use hollow drivers and springs in chambers 3 and 4 found in the 437 RC supplemental pinning kit.

Tools included with 437C kit are:

- Tweezers, 13-0498
- Bitting Gauge
- Loading Thimble ("Plug Holder" LT2)
- Loading Rod for 6, 8, 10, 11, mortise & rim cylinders, 13-1034
- Loading Rod for 480, 470, 460 and 6300 Cores, 13-1035
- Loading Rod Blades 13-1138 and 13-1037
- See Table on Page 15 for pins included

When pins are sold separately, they are packaged in easy to see and use foil & plastic packages in quantities of 100 per size.



437C shown

437S Signature Keying Kit

Used to service SARGENT Signature cylinders. Includes all of the same components as the 437C plus:

- 100 Blocking Bar Springs, 13-0986
- 10 each Blocking Bars, 13-1109
- 1 each Field Service Tool, 13-3916

Note: When repining 10-6300 Signature Large Format Interchangeable (Removable) Core cylinders made before January 2009 they contained special hollow drivers, the 437RC supplemental pinning kit is required

437 RC Large Format Interchangeable (Removable) Core Keying Kit

Use with the 437C or 437S kit. Includes additional pins to repin SARGENT 6300 and 10-6300 Large Format Interchangeable (Removable) Core cylinders that have been pinned using the hollow drivers.

The kit includes special hollow top driver pins and springs which were used in the 3rd and 4th chambers of master keyed cores prior to January 2009.

These pins are in the same increments as standard pins.

Each kit includes:

- 100 each hollow top pin springs, 13-0487
- 50 each cylinder retainers, 01-0660
- 50 each (hollow top pins). See Table on Page 16



437BR Bump Resistant Re-Pinning Kit

The 437BR Kit to convert existing cylinders to bump resistant cylinders. Order as a 437BR Kit
(See page 13 for additional information)

Depth Key Sets

Used for manual code key cutting. Each set includes 10 each SARGENT unwarded 6 pin keys. Each different key is cut with all the same bittings from 0 through 9. Order as "Depthkeys".



Cylinder Spray Lubricant

3.0 oz aerosol pin number 18-0070
Cylinder Spray Cleaner/Deicer 3.0 OZ aerosol pin number 18-0435

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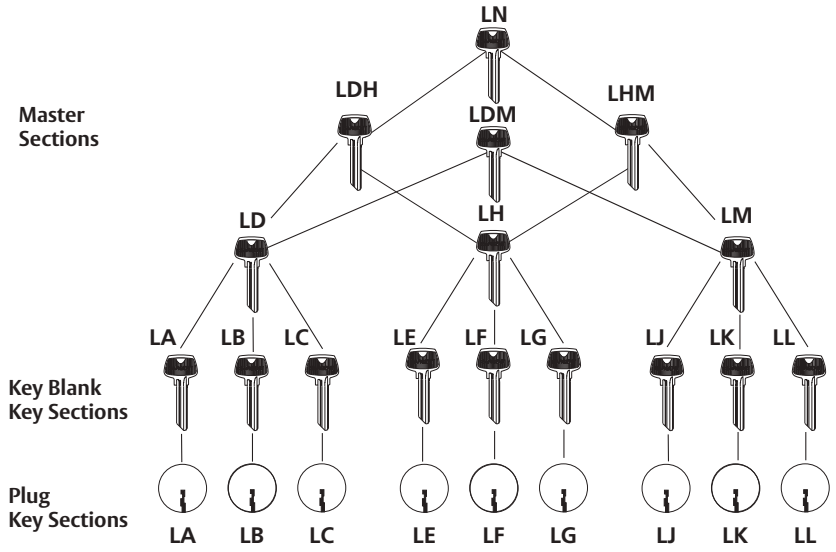
Key Blanks/Key Sections, Bitting Lists

Cylinders and Components

SARGENT ASSA ABLOY

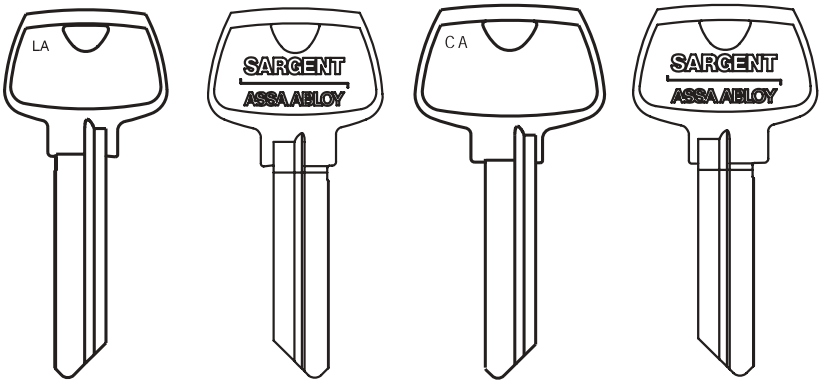
5 Pin		6 Pin		7 Pin	
Key Blank	Key Section	Key Blank	Key Section	Key Blank	Key Section
265	U R	6265	U R	7270	LD LH LM LDH LDM LHM LN RD RH RM RDH RDM RHM RN
		6275	S		
270	LD LH LM LDH LDM LHM LN RD RH RM RDH RDM RHM RN	6270	HD LD HH LH HM LM HHM LDH HDH LHM HDM LDM HN LN RD RH RM RDH RDM RHM RN	7273	CD CDM CH CM CDH CHM CN
273	CD CH CM CDH CHM CN	6273	CD CH CM CDH CHM CN		
275	S	6275	HA LA HB LB HC LC HE LE HF LF HG LG HJ LJ HK LK HL LL RA RB RC RE RF RG RJ RK RL	7275	LA LB LC LE LF LG LJ LK LL RA RB RC RE RF RG RJ RK RL
275	LA LB LC LE LF LG LJ LK LL RA RB RC RE RF RG RJ RK RL				
278	CA CB CC CE CF CG CJ CK CL CR	6278	CA CB CC CE CF CG CJ CK CL CR	7278	CA CB CC CE CF CG CJ CK CL CR

For Multiplex Masterkey Systems (L keyway family shown, others similar)



Multi Keyway Systems

L –	System	Stock Keyways
C –	System	Hotel Keyway (Furnished in Large Bow only)
H –	System	Contract Master Key Systems
R –	System	Contract MasterKey Systems



Standard 6 pin

Large Bow approximately 15% larger than standard bow. Provided for SARGENT "C" family as standard.

Single Keyway Sections

R Section *
S Section
U Section*
CR Section

* Cylinders ordered in either U or R single section only. Offered as 1 bitted for field keying

Restricted Keyways: Restricted keyways are SARGENT (factory) controlled geographically to limit sales and prevent unauthorized key duplication.

For availability of restricted keyways and key sections, contact SARGENT Key Records Department.

Orders for restricted keyway systems, key blanks and cylinders, require a letter of authorization from the system owner.

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order. An owners letter of authorization must be attached to all purchase orders Existing key system bittings lists also available contact key records for more information.

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Visual Key Control and Tamper Proof Packaging

Cylinders and Components

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Visual Key Control (Stamping)

To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.

Non-visual key control stamped change (day) keys include bitting numbers as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and key set substituted.

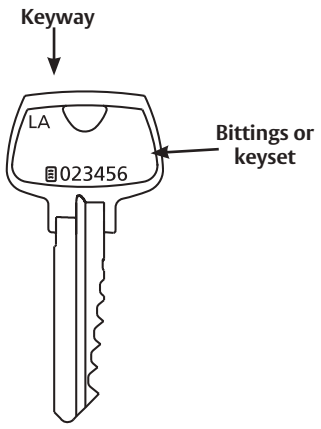
Degree, SFIC and Signature change keys are stamped with key set symbols as standard.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

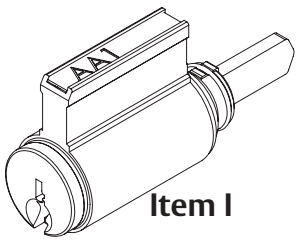
Up to 7 characters available for permanent stamping for Visual Key Control

- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Easy visual identification on the face of the plug (Item C or Item G or H) not available with XC, Signature or SFIC cylinders
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT Large Format Interchangeable (Removable) Cores, bored lock, mortise/rim cylinders (Item D, E & I)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as “DO NOT DUPLICATE” or “CITY OF PHOENIX”
- Degree, XC, and Signature cylinders not available with visual plug stamping
- Degree, XC, and Signature cylinders available with only concealed slide stamping (Item D, E and I) only
- Degree, XC, and Signature Large Format Interchangeable (Removable) Cores 10-6300 available with cylinder slide stamping (Item E, I D)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code. Alternate stamping must be consistent for key set on entire order for key and/or cylinder.



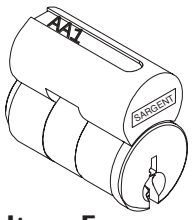
Item A
Change (Day) Key Stamping



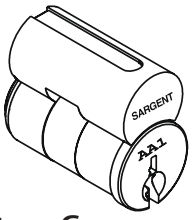
Item I

Item C

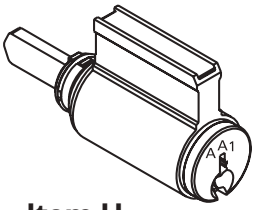




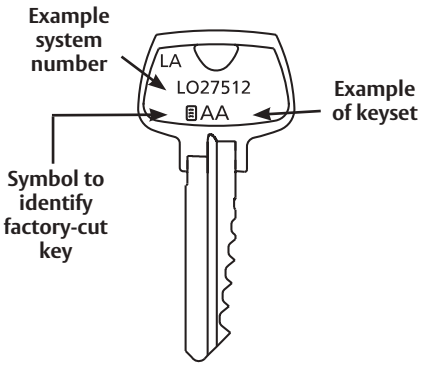
Item E



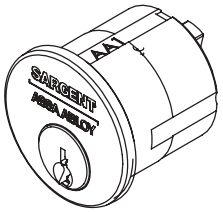
Item G



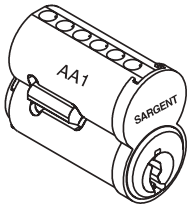
Item H



Item B
Master Level Key Stamping



Item D



Item F

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Tamper Proof Packaging

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with “SARGENT Sealed For Your Security” provides assurance of the integrity of the factory generated key system.

Master Keying and Cylinder Terms

Cylinders and Components

SARGENT requires all orders containing Master Keying details to be submitted using the industry standard D.H.I. ANSI/BHMA format. Key Symbols used on a master keyed order require combinations of letters and/or letters and numbers.

For complete details on proper structuring format of key symbols refer to:

D.H.I. Handbook Section 8 Finish Hardware KEYING SYSTEMS AND NOMENCLATURE or, ANSI/BHMA Standard A156.28, AMERICAN NATIONAL STANDARDS FOR KEYING SYSTEMS.

Or contact SARGENT for assistance.

Basic Keying Terms

Keys and terms	Abbreviation	Definition
Change key	CK	Individual lock key
Masterkey	MK	Operates any given quantity of cylinders with different key changes
Grand Masterkey	GMK	Operates all individual locks already operated by masterkey(s)
Great Grand Masterkey	GGMK	Operates all locks under the various masterkey(s) and grand master key(s) already established
Emergency Key	EMK	Operates hotel locks having shut out feature which blocks entry by all other keys
Construction key	CMK	Operates all cylinders designated for a temporary period during construction
Control Key	CTL	Key to install or remove interchangeable or removable cores
Keyway	KWY	Broaching in a cylinder plug
Key section	KWY	Sidewarding on key to match broaching in plug
Single keyed	SKD	Cylinders operated by their change key only; not operated by any master key

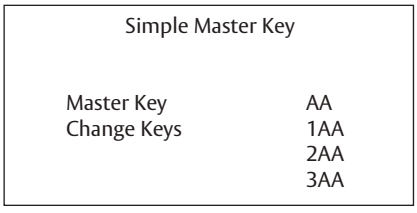
Cylinder Terms

ALOA* adopted terms	Alternate terms
Shell	Cylinder body, Cylinder shell
Plug	Barrel, Cylinder barrel
Tail Piece	Connecting bar
Bottom Pins	Key pin, Ball end pins
Master Pins	Splits, Chips
Top Pins	Drivers
Change Key	Day key
Key Cut	Bit

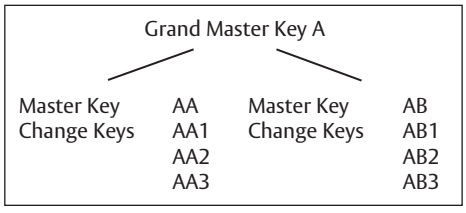
* Associated Locksmiths of America

Examples of Master Key System Levels and Symbol Structure**

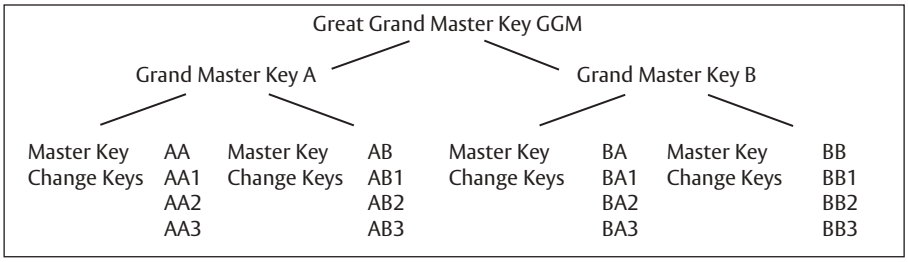
Level 2



Level 3



Level 4



** Master key system levels greater than Level 4 are not recommended. Contact SARGENT Key Records for additional information

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90622 12/19

Product Catalog

SARGENT
ASSA ABLOY

Degree®
Key System



Experience a safer
and more open world

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Degree® Key System

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On The Cover

Degree Mortise Cylinder, Degree Key and Degree 6300 Series Core

90705 02/20

The Degree® Advantage

Degree® Key System

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The Degree Key System

The patented Degree system from SARGENT provides the right level of security for each opening in your facility. Three levels of ANSI/BHMA Grade 1 protection, from patented keyway to UL437 certified, secures every opening. A common key for all three levels of security enhances key control and simplifies administrative procedures. Key blanks are controlled through authorized distribution and geographical protection is available. Available for mortise, rim, component and Large Format Interchangeable Core (LFIC) cylinders, SARGENT offers the right Degree of protection for every door in your facility.

Benefits

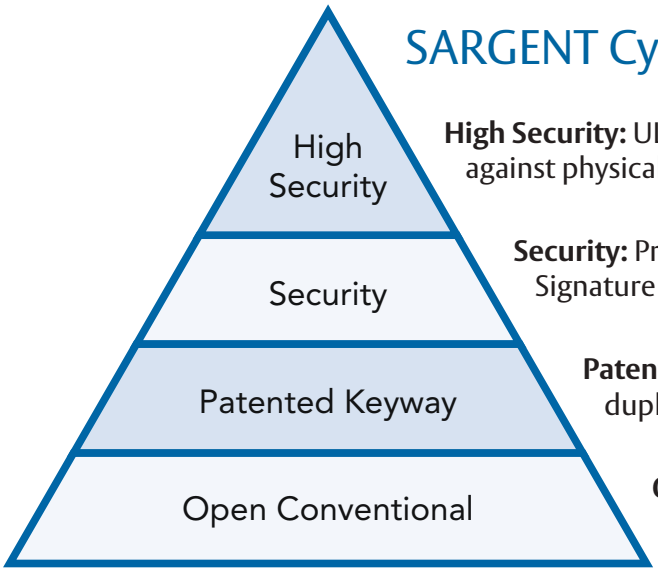
- Patent protection from unauthorized key duplication through 2027
- New keyway family protects system integrity from legacy systems
- Keys are significantly stronger than competitive systems
- User-friendly design with minimal components provides easy field service
- Availability in all existing SARGENT cylinder types provides cost-effective upgrade for SARGENT facilities
- Bump resistance for added protection

Degree Level 1 (DG1) features a utility patented keyway and provides protection against bumping for mortise, rim and component fixed cylinders. These cylinders easily retrofit into existing hardware and are appropriate for most applications. The keys for DG1 can only open DG1 cylinders.

Degree Level 2 (DG2) builds on the utility patented keyway of DG1 and adds patented side bar locking with unique angled bottom pins that provide end users with geographical exclusivity. Cylinders provide protection against bumping and picking. Because of its superior key control and patent protection until 2027, DG2 products are recommended for use in conjunction with DG3 for new installations or when retrofitting systems, including large format interchangeable core systems.

Degree Level 3 (DG3) combines the utility patented keyway and side bar locking with unique angled bottom pins that provide end users with geographical exclusivity, and adds certification to UL437. They are classified as high security because of their superior resistance to physical attack and protection against unauthorized key duplication. Because of its superior key control, patent protection until 2027, and physical strength, we recommend DG3 products for new high-security installations or when retrofitting systems, including large format interchangeable core systems. SARGENT also offers anti-vandal and high security locksets that complement DG3 cylinders for those openings most vulnerable to attack.

*IMPORTANT: Sargent Degree Product is available with a "0" cut depth for DG1 systems **only** and it is not available for use in a DG2 or DG3 security level product. If there is a possibility to elevate the DG1 system to DG2 or DG3, any master keying expansion requests should be discussed with a Sargent Key Records team specialist.*



SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, Signature, and UL-Keso.

Security: Protection against picking. Includes Degree DG2, Signature and Keso.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1 and XC.

Open Conventional: Legacy systems whose patents have run out and are not protected.

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Specifications & Features

Degree® Key System

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Features of the Degree Key System

	DG1	DG2	DG3
Utility patented until 2027	X	X	X
Key blank distribution restrictions	X	X	X
Geographic exclusivity		X	X
Bump resistant	X	X	X
Common style pins	X		
Unique angled bottom pins		X	X
Convenient, simple to service	X	X	X
New keyway family and keying specifications from previous SARGENT systems	X	X	X
Can be masterkeyed with all Degree levels and LFIC	X	X	X
Certified to UL437			X

Product Specifications

All cylinders shall be utility patented, bump resistant and require the use of a patented key. All cylinders shall be available in any of the mortise, rim, key-in-knob/lever, auxiliary locks, padlocks or large format interchangeable core types.

Degree offers three distinct security options from which facilities can select the appropriate degree of security for any door. Degree provides the ultimate in key control by simplifying ordering processes and by allowing the system administrator to determine the level of protection for system components. Additional specifications are found on page 22.

Keying Specifications

Keying

- Degree is a factory-based key system
- 6 pin cylinders furnished with two nickel silver keys per cylinder. Degree cylinders may be furnished master keyed, or grandmaster keyed to a specific facility. Double cylinder lock sets keyed alike on both sides will get two change keys total
- Degree's one-key design allows the use of all three locking mechanisms within the same system to be operated with just one key
- Degree systems are independent and cannot be keyed into existing and/or conventional SARGENT master key systems
- Cross keying is not recommended. Keying Department Administration will review all requests and determine if compatible with a secured master key system

Note: DG1 systems using 7 depths of cut cannot be integrated with DG2 or DG3 systems.

UL 437 Listed Cylinders

SARGENT DG3 cylinders* are UL437 Listed. UL437 sets the standard for both drilling and picking resistances.

These cylinders are manufactured to include hardened drill resistant inserts in both the plug/barrel and body.

UL437 High Security DG3 cylinders are recommended for doors most likely to be physically assaulted, while the use of standard DG1 and DG2 cylinders is more advantageous and less costly for interior doors.

* **Note:** DG3 cylinder offerings include mortise, rim and bored cylinders in conventional as well as Large Format Interchangeable Core

Patent pending and/or patent www.assaabloydss.com/patents

Product Certifications

ANSI/BHMA A156.5-2010 Grade 1

E09211 (Mortise)
E09221 (Rim)
E09231 (Bored Lock Cylinders)

BHMA CERTIFIED

Applications

Degree is recommended for installations requiring patented key control protection including protection from picking and/or drilling, all available in one locking system. Degree is ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

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System Administration

Degree® Key System

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Degree System Administration

All SARGENT Degree key systems must have a signed System Information Document (SID), located in the back of this catalog and available online, for each facility. The SID designates a primary systems administrator for the facility. Unless otherwise indicated by the primary systems administrator by way of a separate specific letter of authorization, all shipments for Degree product will go to the shipping address on the Systems Information Document.

All key blanks are to remain in the possession of the facility and must be accounted for. Any defective, incorrectly cut or damaged key blanks must be destroyed.

For Degree DG2 and DG3, specific randomized security codes will be required for each order unless the systems administrator opts out of this feature. For more information, see the Systems Information Document.

Keyway Administration and Assignment

All keyways will be noted on the master key system bitting list. SARGENT Keying Department Administration will assign all DG keyways. Keyways will be assigned according to facility type, geographic location and keying system specifications. All keys will ship directly to the end user. All master key systems will be registered with Keying Department Administration and all bittings will be factory created.

Key Control

Key control will be maintained by using the SARGENT Keying Authorization Document. For a copy, contact Keying Department Administration or visit our web site at www.sargentlock.com. System information and/or systems related product will be forwarded directly to the owner, unless otherwise indicated by the owner's appointed administrator.

Authorized Distributors

SARGENT Degree is a system-based product and is provided through authorized distribution. An authorized distributor may stock and service products upon specific written authorization from the primary system administrator of the facility.

Authorized distributors who carry inventory for a specific facility's system must provide valid receipts and disbursements of all products, specifically key blanks/cut keys. All key blanks in the possession of an authorized distributor must be accounted for. Any defective, incorrectly cut or damaged key blanks must be destroyed.

Refer to pages 23 and 24 for a copy of the SID and more information.

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Mortise Cylinders

Degree® Key System

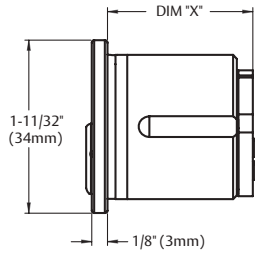
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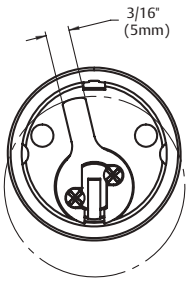
DG1-, DG2- & DG3- Series Mortise Cylinders

For use with Mortise Locks,
Exit Devices and Auxiliary Locksets



Mortise Fixed Core (FC)





SARGENT standard
cam shown

Standard Degree Mortise Cylinders supplied with:

- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- T keyway family standard – see page 18 for available keyways
- No. 97 rosette and compression spring, when hardware is ordered less cylinder
- Offset cam DG-0001 standard – see available cams on page 7
- Factory keyed

Options

- Construction Master Keying (21- option)
  - Allows use of construction keys until change key voids operation
  - Ships with 6 master construction keys separate from change keys
- Removable Disposable Construction Core (60- option)
  - Operate with coin or flat screw driver
  - Easy installation
- Removable Core (63- option)
  - Control key releases locking cam for removal of core
  - Control keys ordered separately
- Removable Construction Keyed LFIC (64- option)
  - Furnished with 6 keys and 1 control key standard
  - Plug face dimpled for easy identification
- Unassembled Cylinder (65- Option)
  - DG1 and DG2 only
  - Includes two key blanks but no pins, springs or slide
  - When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - Available on existing systems only

§ DG2 & DG3 cylinders are not available as Hotel function (50-)

- Exposed Plug only (78- option)
  - Exposed plug .560" (14mm) diameter
  - For use with trim LE3/LE4 & KE3/KE4; specify 78- only when cylinder is ordered less product
  - Supplied with standard offset cam DG 0001; optional cam 105 for use on inside of 7816/8216/9200 locks only
- Hotel function§
  - 7850 or 8250 hotel function mortise locks require a 50- cylinder where change keys and master keys have limited rotation that only allow latch bolt retraction
  - #115 cam supplied standard with 50 function hotel locks & cylinders
  - The #115 cam is supplied only with SARGENT 7850/8250 locks
  - Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
  - Emergency keys, ordered separately, retract or project the latchbolt and deadbolt (p/n DG7268 EMK)
  - Available in #43 (1-3/8") and #44 (1-1/2") cylinder lengths
  - Hotel function available with Large Format Interchangeable Core (63-), Plastic Disposable Temporary Core‡ (60-) & Construction Core‡ (64-)

‡ **Note:** 60- & 64- will retract Latch only, it will not retract the deadbolt

Length under cylinder head

Cylinder No.	41	42	43	44	46
DIM "X"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"
	(29mm)	(32mm)	(35mm)	(38mm)	(44mm)

Degree Mortise Cylinders

Type	Degree Level	Cylinder Size	Cam(s)
Degree Mortise Cylinders	DG1-, DG2- or DG3-	41 (1-1/8"); 42 (1-1/4"); 43 (1-3/8"); 44 (1-1/2"); 46 (1-3/4")	Std, 101, 104, 105, 106, 112 & 113
Exposed Plug DG Mortise Cylinders (Specify 78-)	DG1-	41 (1-1/8"); 42 (1-1/4"); 43 (1-3/8")	Standard or 105
Hotel Function DG Mortise Cylinders (Specify 50-)	DG1-	43 (1-3/8"); 44 (1-1/2")	115 only

How to Order DG Series Mortise Cylinders less hardware

Quantity	Options*	Cylinder Size	Cam	Key Set	Door#/Item#	Finish†
75	DG1-	41	Std	AA1		26D

* Available options for Degree Mortise Cylinders are: DG1-, DG2-, DG3-, 21-, 50-, 60-, 63-, 64-, 65- & 78-

How to Order DG Series Cylinder with Hardware (8200 Mortise example)

Quantity	Options**	Series & Function	Rose/Escutcheon	Lever	Finish†	Hand	Keying Detail
95	DG3-	8205	LN	MX	15	RH	AA1

** Available options for Degree Mortise cylinders ordered with hardware are: DG1- DG2-, DG3-, 21-, 60-, 63-, 64- & 65-
(78- cylinders are determined by the function or trim specified and are not specified when ordering)

† Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP

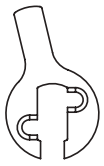
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Cams for Mortise Cylinders

Degree® Key System

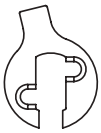
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Cams For Degree Mortise Cylinders* in SARGENT Keyways



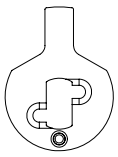
Standard Cam
(DG-0001)

Standard open slotted cam provided on all 40 Series -standard. Except: 16 & 92 function Mortise Locks



Short Cam (-105)
(DG-0002)

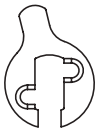
Cam used with SARGENT mortise functions 16 & 92 on the inside cylinder



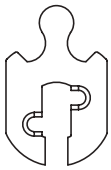
Hotel Cam (-115)
(DG-2808)

Cam only offered on limited rotation hotel function cylinder for use in 78/8250 lock sets

Miscellaneous Cams*



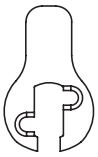
Adams Rite
(-101)
1850, 4700
(DG-0004)



SARGENT 4370
Series Key
Switches (-113)
(DG-0006)



Schlage "L"
(-106)
(DG-0007)



Misc. Cam
(-112)
(DG-0008)

* Order cam screws as DG-0016, if needed.
Cams are unique to DG cylinders and standard SARGENT cams are not compatible

Cams for DG-60-63-64- Large Format Interchangeable (Removable) Core Mortise Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify cam as a suffix: DG1-63-44 x 105 cam
- For Standard Cam: No Suffix is required



Standard

6300 Series Cam



-105

Cam for inside cylinder of Mortise 16 & 92 function locks



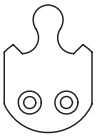
-115

Cam for 6300 Series 50 function locks



-101

ADAMS RITE
1850 4710



-113

4370 Series key switch



-106

Schlage "L"



-112

Misc. Cam

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Rim Cylinders

Degree® Key System

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DG1-, DG2- & DG3- Series Rim Cylinders

For use with Exit Devices and Auxiliary Locking Devices



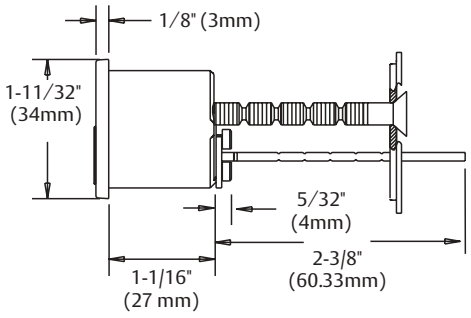
Rim Fixed Core

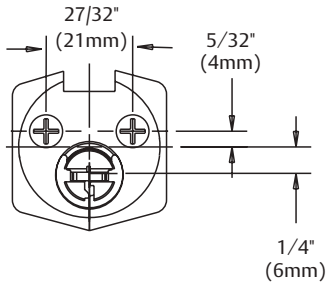
Standard Degree Rim Cylinders supplied with:

- Solid brass, 6 pin cylinder, 1-5/32" (29mm) diameter
- T keyway family standard – see page 18 for available keyways
- No. 97 rosette and compression spring, break-off screws and back plate
- Horizontal tail piece only
- 27/32" (21mm) screw pattern through-bolts to SARGENT exit devices (same as standard rim cylinders)
- Factory keyed

Options

- Construction Master Keying (21- option)
  - Allows use of construction keys until change key voids operation
  - Ships with 6 master construction keys separate from change keys
- Removable Disposable Construction Core (60- option)
  - Operate with coin or flat screw driver
  - Easy installation
- Removable Core (63- option)
  - Control key releases locking cam for removal of core
  - Control keys ordered separately
- Removable Construction Keyed LFIC (64- option)
  - Furnished with 6 keys and 1 control key standard
  - Plug face dimpled for easy identification
- Unassembled Cylinder (65- Option) – DG1 and DG2 only
  - Includes two key blanks but no pins, springs or slide
  - When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - Available on existing systems only





Degree Rim Cylinders

Type	Degree Level	Cylinder Type
Degree Rim Cylinders	DG1-, DG2- or DG3-	34 Rim Cylinder

How to Order DG Series Rim Cylinders less hardware

Quantity	Options*	Cylinder Type	Key Set	Door#/Item#	Finish†
75	DG2-	34	AA1		26D

How to specify DG Series Cylinder with Hardware (80 Series Exit Device example)

Quantity	Options*	Series & Function	Rail Size	Trim	Finish†	Hand	Keying Detail
25	DG2-	8804	F	ETL	32D	RHR	AA1

* Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 21-, 60-, 63-,64- & 65-
†Finishes available: 03, 04, 09, 10, 10B, 10BL, 10BE, 14, 15, 20D, 26, 26D, BSP, WSP

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Large Format Interchangeable Core Mortise Cylinders

Degree® Key System

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Degree Large Format Interchangeable Cores and Cylinders

For use with Mortise Locks, Exit Devices and Auxiliary Locksets



DG-6300 Cylinder Core

Core only (DG-6300):

- Solid brass, 6 pin cylinder
- Available in 04 or 15 finish only
- T keyway family standard – see page 18 for available keyways
- Factory keyed or available unassembled* for field keying (65-)
- Offset cam DG-0001 standard – see available cams on page 7
- Hotel functions (50-) available with DG1-
- Order core only as: DG1- 6300, DG2- 6300 or DG3- 6300

Notes:
- DG1 and DG2 use the same mortise housing
- DG3 cores must be used with DG3 housings to maintain UL437 listing

* 65- option available for DG1 and DG2 only. Includes two key blanks but no pins, springs or slide. (Available on existing systems only)

Housings:

- Solid brass, 1-5/32" (29mm) diameter
- Available in finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- Furnished with no. 97 rosette and compression spring when supplied without hardware
- Available in 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2"), or 46 (1/34") lengths

Options:

Removable Disposable Construction Core (60- option)



DG-60-Mortise Housing

- Mortise housing with disposable plastic core
- After removal of temporary plastic core, housing accepts DG-6300
- Operates with coin or flat screw driver
- Easy installation
- Order as: DG1-60- housing size x cam x finish
  DG2-60- housing size x cam x finish
  DG3‡-60- housing size x cam x finish

- Hotel Functions
  - DG-60-Hotel function (50-) housings are available in DG1- only, in #43 (1-3/8") length and only for use in Sargent 78/8250 lock sets
  - Order as: DG1-60-50-43 x finish (Note: used with DG1-6300 cores only)
  - Emergency Master Key ordered separately,as an DG7269EMK

Removable Core (63- option)



DG-63-Mortise Cylinder

- Mortise housing with DG LFIC
- Can be master or grandmaster keyed
- Control key releases locking cam for removal of core
- Available as unassembled less springs, pins and slide (65- available DG1 & DG2 only)
- Control keys ordered separately
- Additional control keys for DG1 systems: DG6272CTL; control keys for DG2 and DG3 systems: DS6272CTL
- Order as: DG1-63- housing size x cam x finish
  DG2-63- housing size x cam x finish
  DG3‡-63- housing size x cam x finish

- Hotel Functions
  - DG-60-Hotel function (50-) housings are available in DG1- only, in #43 (1-3/8") length and only for use in Sargent 78/8250 lock sets
  - Order as: DG1-60-50-43 x finish (Note: used with DG1-6300 cores only)
  - Emergency Master Key ordered separately,as an DG7269EMK

Removable Construction Keyed LFIC (64- option)



DG-64-Mortise Housing with Construction Core

- Mortise housing with construction core
- Construction cores are keyed alike in KA keyset
- After removal of construction core, housing accepts DG-6300
- Furnished with 6 keys and 1 control key standard
- Plug face dimpled for easy identification
- Order as: DG1-64- housing size x cam x finish
  DG2-64- housing size x cam x finish
  DG3‡-64- housing size x cam x finish

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Large Format Interchangeable Core Mortise Cylinders

Degree® Key System

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How to order 6300 Series LFIC DG mortise cylinders less hardware

	Quantity	Options*	Cylinder Size	Cam	Keying Detail	Finish
Complete Cylinder: DG-LFIC and Housing	75	DG2-63-	44	Std	AA1	26D
Housing Only	125	DG1-60-	44	Std	–	26D
LFIC Only	85	DG2-6300	–	–	AA1	15

* Available options for Degree LFIC Mortise Cylinders are: DG1-, DG2-, DG3-, 50-, 60-, 63-, 64- & 65-
Note: Cores are available in 04 & 15 finish

How to Order DG Series 6300 Series LFIC Cylinder with Hardware (8200 Series Mortise Lock example)

Quantity	Options**	Series & Function	Rose/Escutcheon	Lever	Finish	Hand	Keying Detail
95	DG2-63-	8237	LE1	ML	26D	RHR	AA1

**Available options for Degree Mortise Cylinders are: DG1-, DG2-, DG3-, 60-, 63, 64- & 65-

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Large Format Interchangeable Core Rim Cylinders

Degree® Key System

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Degree Rim Large Format Interchangeable Cores and Cylinders

For use with SARGENT Mortise locks, Exit Devices and Auxiliary Locking Devices



DG-6300 Cylinder Core

Core only (DG-6300):

- Solid brass, 6 pin cylinder
- Available in 04 or 15 finish only
- T keyway family standard - see page 18 for available keyways
- Factory keyed or available unassembled* for field keying (65-)
- Order core only as: DG1- 6300, DG2- 6300 or DG3- 6300

Notes: • DG3 cores must be used with DG3 housings to maintain UL437 listing

*65- option available for DG1 and DG2 only. Includes two key blanks but no pins, springs or slide. (Available on existing systems only)

Housings:

- Solid brass, 1-5/32" (29mm) diameter
- Available in finishes: 03, 04, 09, 10, 10B, 10BL, 10BE, 14, 15, 20D, 26, 26D, BSP, WSP
- Furnished with no. 97 rosette and compression spring when supplied without hardware
- Screw pattern same as standard rim cylinder
- Available in 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2"), or 46 (1/34") lengths
- Supplied with backplate and 2 breakaway screws
- Horizontal tailpiece



DG-60-Rim Housing

Options:

Removable Disposable Construction Core (60- option)

- Rim housing with disposable plastic core
- After removal of temporary plastic core, housing accepts DG-6300
- Operates with coin or flat screw driver
- Easy installation

- Order as: DG1-34-60- x finish
  DG2-34-60- x finish
  DG3‡-34-60- x finish



DG-63-Rim Cylinder

Removable Core (63- option)

- Rim housing with DG LFIC
- Can be master or grandmaster keyed
- Control key releases locking cam for removal of core
- Available as unassembled less springs, pins and slide (65- available DG1 & DG2 only)
- Control keys ordered separately
- Additional control keys for DG1 systems: DG6272CTL; control keys for DG2 and DG3 systems: DS6272CTL

- Order as: DG1-34-63- x finish
  DG2-34-63- x finish
  DG3‡-34-63- x finish



DG-64- Rim Housings with Construction Core

Removable Construction Keyed LFIC (64- option)

- Mortise housing with construction core
- Construction cores are keyed alike in KA keyset
- After removal of construction core, housing accepts DG-6300
- Furnished with 6 keys and 1 control key standard
- Plug face dimpled for easy identification

- Order as: DG1-34-64- x finish
  DG2-34-64- x finish
  DG3‡-34-64- x finish

How to order 6300 Series LFIC DG rim cylinders less hardware

	Quantity	Options*	Cylinder Type	Keyset	Finish
Complete Cylinder: DG-LFIC and Housing	200	DG2-63-	34	AA1	26D
Rim Housing Only	175	DG1-60-	34	–	26D
LFIC Only	95	DG2-6300	–	AA1	15

* Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 60-, 63-, 64-, 65-
Note: Cores are available in 04 & 15 finish

How to Order LFIC DG Series Rim Cylinder with Hardware (80 Series Exit Device example)

Quantity	Options**	Series & Function	Rail Size	Trim	Finish	Hand	Keying Detail
50	DG2-63-	8804	F	ETL	32D	LHR	AA1

** Available options for Degree Rim Cylinders are: DG1-, DG2-, DG3-, 60-, 63-, 64-, 65-

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Cylinders for Bored Locks

Degree® Key System

SARGENT
ASSA ABLOY

Fixed Core Component

For use with SARGENT Cylindrical Lever, Knob Locks and Auxiliary Locksets



Key-in-knob (KIK),
Key-in-lever (KIL)
Fixed Core (FC)

How to Order DG Series Lever & Knob Cylinders less hardware

Quantity	Degree Level	Catalog No	Keyway	Finish**
75	DG1, DG2 or DG3	C10-1	TA	04

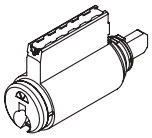
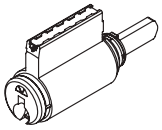
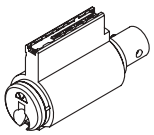
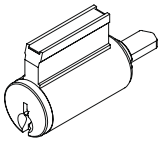
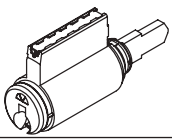
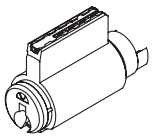
- Furnished factory keyed and only DG1 and DG2 are offered with the 65- option of unassembled for field keying. 65- cylinders include two key blanks but no pins, springs or slide

** Available in 04 and 15 finishes only

Options

- Construction Master Keying (21- option)
  - Allows use of construction keys until change key voids operation
  - Ships with 6 master construction keys separate from change keys
- Unassembled Cylinder (65- Option) – DG1 and DG2 only
  - Includes two key blanks but no pins, springs or slide
  - When ordered with hardware, 65-DG cylinders are packed uninstalled with hardware
  - Available on existing systems only

Designations & Options for Degree Series Components

SARGENT Lockset		Degree Level	Catalog No	Finish	Function
11 Line Locks		DG1, DG2 or DG3	C11-1	US 04 or US 15	All functions except 50 function
		DG1	C11-2	US 04 or US 15	Hotel function (50-)
10, 7, 7500* Line (Levers) & 6500 Locks & 88KL, 88CL, 28KL, 28NL & 28CL Exit Trims		DG1, DG2 or DG3	C10-1	US 04 or US 15	All functions except 50 function
		DG1	C10-2	US 04 or US 15	Hotel function (50-)
7*, 8* & 9* Line Knob Locks		DG1, DG2 or DG3	C8-1	US 04 or US 15	All functions except 50 function
		DG1	C8-2	US 04 or US 15	Hotel function (50-)
8X Line Cylindrical Knob Locks		DG1, DG2 or DG3	C8X-1	US 04 or US 15	
6 Line Cylindrical Locks		DG1, DG2 or DG3	C6-1: S&M Knob C6-1B: B Knob	US 04 or US 15	
7600 Integralock*		DG1, DG2 or DG3	C7600-1 for functions 04, 05, 37	US 04 or US 15	

Note: All cylinders supplied with two change keys; for lock functions that have two cylinders keyed alike, only two change keys will be provided

* Discontinued products

Hotel Functions (50) are not available with 9 Line knobs, 7 Line levers, 7500 Interconnected, 6500 Locks, & Exit Trims.

Emergency key to be ordered separately for bored locks as DG6267EMK

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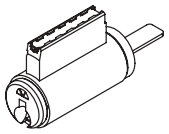
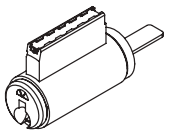
Cylinders for Deadbolts & Padlocks & Cylinder Finishes

Degree® Key System

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Bored Auxiliary Deadlocks

For use with Bored Auxiliary Deadlocks

SARGENT Lockset		Degree Level	Catalog No	Finish	Function
460* Series Deadbolt		DG1, DG2 or DG3	C460-1	US 04 or US 15	464
		DG1, DG2 or DG3	C460-2	US 04 or US 15	465
450*, 470, 480 Series Deadbolts		DG1, DG2 or DG3	C480-1	US 04 or US 15	454, 474, 484
		DG1, DG2 or DG3	C480-2	US 04 or US 15	455, 475, 485, 487
		DG1, DG2 or DG3	C480-3	US 04 or US 15	456, 486
758 & 858 Padlocks		DG1, DG2 or DG3	C750-1	US 04 or US 15	758 and 858 padlocks

Note: All keyed cylinders supplied with two change keys. For lock functions that have two cylinders keyed alike, only two change keys will be provided

- Only DG1 and DG2 are offered with the 65- option of unassembled for field keying. 65- cylinders include key blanks but no pins, springs or slide
- When hardware is ordered with 65- cylinders, it will ship uninstalled with hardware

Finishes available for Mortise and Rim Cylinders°

SARGENT Code	ANSI/BHMA Code	Finish Description
03	605	Bright Brass, clear coated
04	606	Satin Brass, clear coated
09	611	Polished Bronze, clear coated
10	612	Satin Bronze, clear coated
10B	613	Satin Bronze, oxidized and oil rubbed
10BE	613E	Dark Oxidized Satin Bronze - Equivalent
10BL	614	Satin Bronze, oxidized and clear coated
14	618	Bright Nickel
15	619	Satin Nickel
20D	624	Statuary Dark Bronze, clear coated
26	625	Bright Chrome Plated
26D	626	Satin Chrome Plated
BSP	BSP	Black Suede Powder Coat
WSP	WSP	White Suede Powder Coat

°Key-in-knob/Key-in-lever and LFIC are available 04 and 15 finishes only
Note: 32 & 32D finished hardware will be supplied with 26 & 26D finished cylinders accordingly

* Discontinued products

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6300 Series DG- Conversion Parts, Slide Block Kit & Shear Tool

Degree® Key System

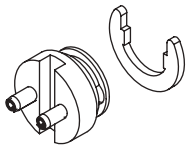
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SARGENT 6300 Series Housings and KIL/KIK Locks

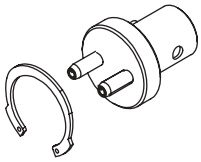
Older 6300 series mortise and rim cylinders with long pins in the housings will need to be modified to accept 6300 Series DG- cores.

KIL/KIK lock sets with removable tail pieces will require new tail pieces
as shown below.

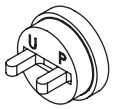
6300 Series DG- Conversion Parts for #34 rim cylinders, 8-Line knob locks and 480 Series deadbolts



Kit # 13-5178 is used to convert rim cylinders with long pins to accept 63-DG Series cores and 11-63-series cores



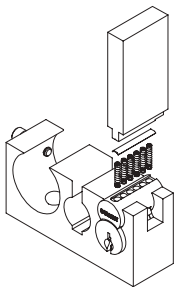
Kit # 08-5265 for DG-63- Series and 11-63-8-Line knobs

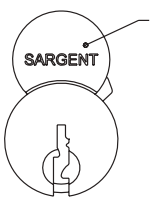


Kit # 16-2519 for DG-63- Series and Cam Assembly for 11-63-Deadbolts

436-1 Slide Block Kit

- Includes fixture and staking tool for use with all DG- 6300 cores, and 11- and 10- 6300 series cores manufactured after March 2006 and standard cylinders manufactured after May 2008, simplifying top loading in the field.
- The kit includes:
  - 100 slides
  - staking block
  - staking tool
- Cylinders manufactured after March 2006 will not include the box around the SARGENT logo and can be used with this kit.
- Additional slides available:
  - 7 pin slides (Part # 13-1797)
  - 6 pin slides (Part #13-1341)

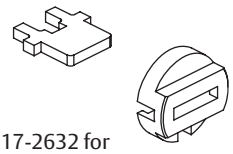




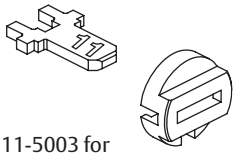
Cores without a box around the word "SARGENT"

6300 Series DG- Conversion Parts for 758/858 Padlocks, 11 Line (T-Zone), 10, 7, 6500 Line

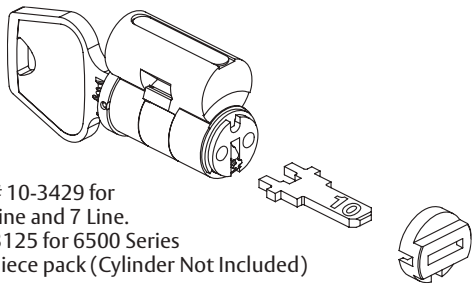
Note: Only existing 6300 cores with removable tailpieces can be upgraded to Degree without modifying the lock



Kit # 17-2632 for 758/858 Padlock tailpiece pack



Kit # 11-5003 for 11-Line tailpiece pack



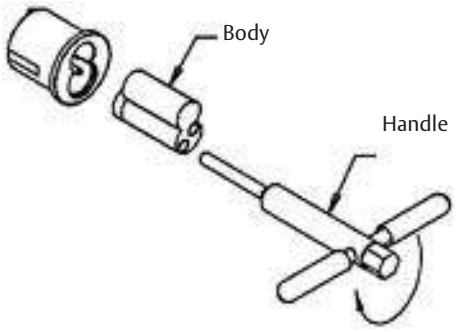
Kit # 10-3429 for 10 Line and 7 Line.
05-3125 for 6500 Series tailpiece pack (Cylinder Not Included)

431-6 Shear Tool

- 431-6 Shear Tool is used to alter older SARGENT 60-/63- mortise housings to accept 6300 Series DG cores and 11-6300 series cores.
- Altered housings will accept 6300 DG1-, DG2- and DG3- cores.

Note: DG3- cores with altered housings are not UL437 listed, DG3 cores require DG3 housings to be UL437 listed

- For 6300 rim cylinders use Kit #13-5178



6300 Large Format Interchangeable Core Installation Tool (432 RC)



- The 432 RC is a tool to assist in installing SARGENT Large Format Interchangeable (Removable) Core Mortise Housings. This tool makes it easy to thread a cylinder body into a mortise lock and can also help check the cylinder function in a lock before installing the cylinder core
- Order: 432 RC for the SARGENT Large Format Interchangeable (Removable) Core Installation Tool

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Degree® Pin Kits

Degree® Key System

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437 DG1 Standard Pinning Kit

The 437 DG1 Kit is used to pin DG1 fixed and LFIC cylinders. The heavy duty steel kit prevents pins from mixing.

The kit includes:

100 each of bottom pins sizes 0-6

- 100 each of control drivers sizes 1-12
- 100 each of driver pins sizes 1-10
- 100 each of bump resistant pins sizes 4-10
- 25 sidebar springs part number DG-0059
- 100 KIK spring cover part number 13-1341
- 25 KIL/MRT/RIM/LFIC spring cover DG-0040
- 10 each Sidebar (LFIC only) part number DG-2818
- 100 each compression spring part number DG-0017
- 100 each compression spring (LFIC only) part number DG-0097
- Tweezer
- DG1 key key gauge part number 435DG

See pages 2 and 3 in the Technical Manual for individual pin part #s.

The kit has additional empty compartments for future upgrades to DG2 and DG3 cylinders.

The 437 DGM "Master Kit" has all pins needed for pinning DG1, DG2 and DG3 cylinders.



437 DGM Master shown

437 DGM Master Pinning Kit

The 437 DGM "Master Kit" includes all pins needed to re-pin DG1, DG2 and DG3 cylinders.

Kit includes all the same components as in the 437 DG1 kit, with the additional parts to service DG2 and DG3 cylinders.

10 each Side bar part number DG 0056

- 25 each slider spring part number DG 0060
- 100 each of Left, Center and Right "Chisel Bottom Pins" sizes 1 thru 6

See pages 2 and 3 in the Technical Manual for individual part numbers.

Cylinder Spray Lubricant

Degree cylinders are mechanical devices and require preventive maintenance. At a minimum, Degree cylinders should be lubricated twice a year; more if installed in extreme installations.

Degree cylinders should not be exposed to chemical washes or painted.

3.0 oz aerosol part number 18-0070

Cylinder Spray Cleaner/Deicer: 3.0 oz aerosol part number 18-0435

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Rosettes & Collars

Degree® Key System

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No. 1KB Rosette



- Used with 8200 Series mortise locks and No. 90 blocking rings when cylinders project from door
- Free spinning to protect cylinder from vandalism
- Consult 8200 series catalog for Rosette application details. Different collars required when used with exit devices. Consult Exits catalog for part numbers
- Furnished standard with 8200 Series sectional trim
- Cast brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:

1KB-1	5/16" (8mm)
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" (16mm)

- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP, WSP

No. 97 Rosette

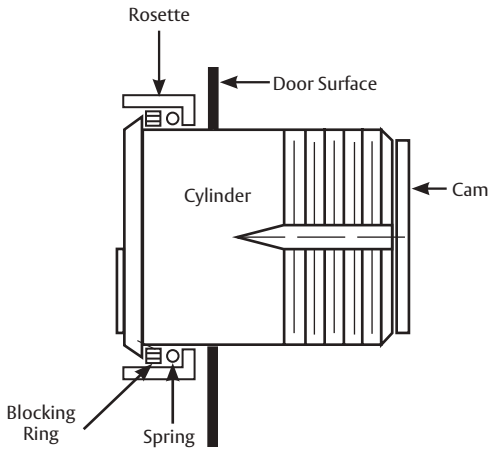


- Standard for cylinders ordered separately from hardware
- Standard for 4800 dead bolts and 7900 and 7800 Series mortise locks
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring



- Used with 1KB-2 and 1KB-3 rosettes as spacer when mortise cylinder projects from face of door as shown above
- Consult 8200 series catalog for Blocking ring application details
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; available in thickness of 1/16", 1/8", 3/16", 1/4" and 3/8" projection in 1/16" (1.6mm) increments. Specify size when ordering.
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP, WSP



Crosscut illustration of rosette application

Cylinder Nut Wrench



This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

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Visual Key Control
Tamper Proof Packaging

Degree® Key System

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Visual Key Control (Stamping)

To allow for easier key and cylinder identification, SARGENT offers permanent stamping of keys and/or optional cylinder concealed stamping with industry standard alpha-numeric key set symbols.

All DG keys are stamped with key set symbol and "DO NOT DUPLICATE" as standard.

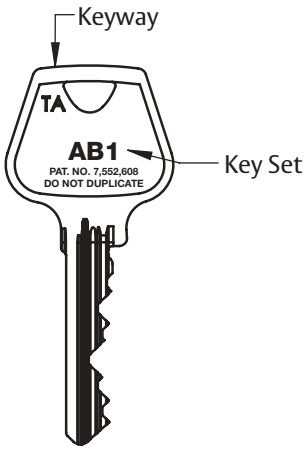
All DG master and control keys are stamped with the key set symbol and the key system register # cylinders as standard, (Item B) unless alternate stamping is requested on the order.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line and the standard visual key control designations on the second line (Item B).

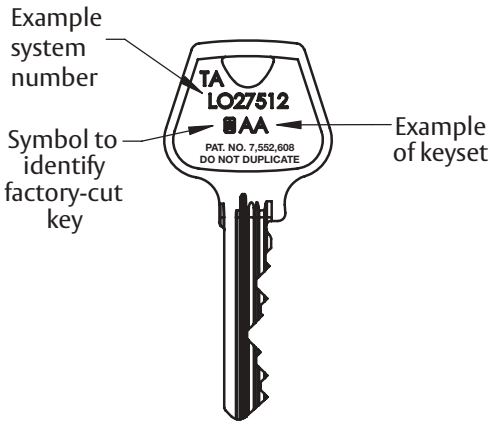
Change keys have one line for up to 7 characters for key set stamping available for permanent Visual Key Control

- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Cylinder-slide stamping available on mortise, rim, LFIC and all bored cylinders except for 8-Line and 7600 (Items C, D, & E)
- Core side engraving available for 8-Line and 7600 (Item F)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code



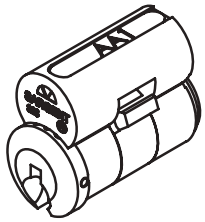
Item A
Change (Day)
Key Stamping



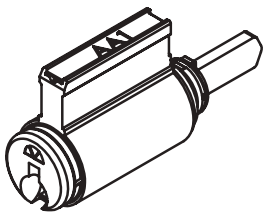
Item B
Master Level
Key Stamping



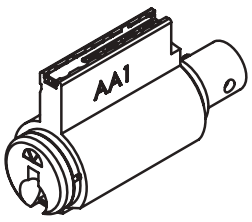
Item C



Item D



Item E



Item F

Tamper Proof Packaging

For the highest level of security for the end user, tamper proof packaging is used on all Degree master keys and key blanks. This heat sealed shrink wrap identified with "SARGENT Sealed For Your Security" provides assurance of the integrity of the factory generated key system.

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Key Blanks/Key Sections

Degree® Key System

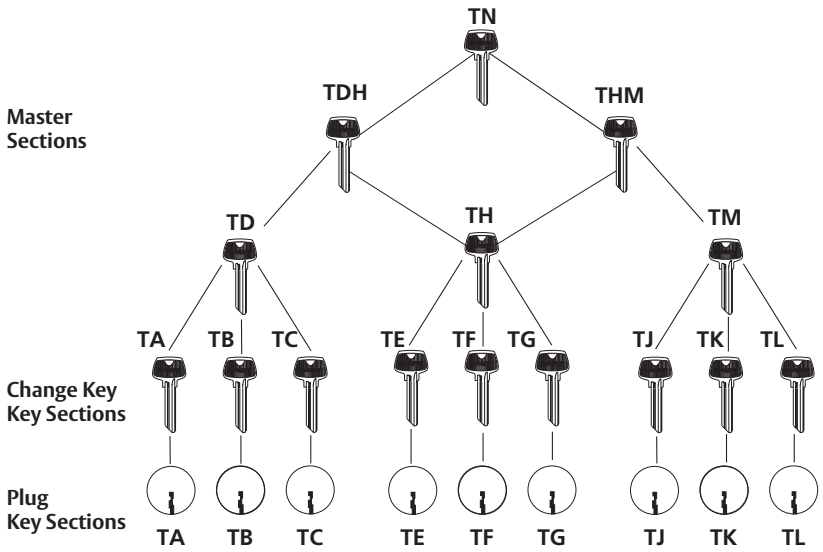
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ASSA ABLOY

Master Key Blanks*	
DG1	DG 6270 TN
DG2- or DG3-	DS 6270 TN
DG1	DG 6270 TDH
DG2- or DG3-	DS 6270 TDH
DG1	DG 6270 THM
DG2- or DG3-	DS 6270 THM
DG1	DG 6270 TD
DG2- or DG3-	DS 6270 TD
DG1	DG 6270 TH
DG2- or DG3-	DS 6270 TH
DG1	DG 6270 TM
DG2- or DG3-	DS 6270 TM

Change Key Blanks*	
DG1	DG 6275 TA
DG2- or DG3-	DS 6275 TA
DG1	DG 6275 TB
DG2- or DG3-	DS 6275 TB
DG1	DG 6275 TC
DG2- or DG3-	DS 6275 TC
DG1	DG 6275 TE
DG2- or DG3-	DS 6275 TE
DG1	DG 6275 TF
DG2- or DG3-	DS 6275 TF
DG1	DG 6275 TG
DG2- or DG3-	DS 6275 TG
DG1	DG 6275 TJ
DG2- or DG3-	DS 6275 TJ
DG1	DG 6275 TK
DG2- or DG3-	DS 6275 TK
DG1	DG 6275 TL
DG2- or DG3-	DS 6275 TL

* Key blanks are made of Nickel Silver and sold in boxes of 50

For Multiplex Masterkey Systems (T keyway family shown)





Degree Cut Keys		
DG1	DG6272CMK	21-
DG1	DG6272CTL	6300s
DG1	DG6272MK	
DG!	DG6272CHK	
DG2 or DG3	DS6272CMK	21-
DG2 or DG3	DS6272CTL	6300s
DG2 or DG3	DS6272MK	
DG2 or DG3	DS6272CHK	

Emergency Master Keys		
DG1	DG6267EMK	bored locks
DG1	DG7268EMK	mortise locks
DG1	DG7269EMK	63- cylinders in mortise locks

Construction Keys		
DG1/DG2/DG3	6251CMK	64-
DG1/DG2/DG3	6251CTL	64-

Legend:

DG = DG1- keys only
DS = DG2- & DG3- keys
CMK = construction master key
CTL = control key
MK = master key
CHK = change (day) key

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Master Keying & Cylinder Terms

Degree® Key System

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SARGENT requires all orders containing Master Keying details to be submitted using the industry standard Door and Hardware Institute (DHI) ANSI/BHMA format. Key symbols used on a master keyed order require combinations of letters and/or letters and numbers.

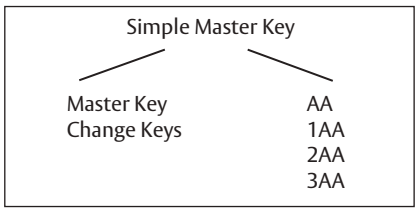
For complete details on proper structuring format of key symbols refer to: DHI Handbook, Section 8 - Finish Hardware, KEYING SYSTEMS AND NOMENCLATURE; ANSI/BHMA Standard A156.28, AMERICAN NATIONAL STANDARDS FOR KEYING SYSTEMS; or contact SARGENT for assistance at 1-800-727-5477.

Basic Keying Terms

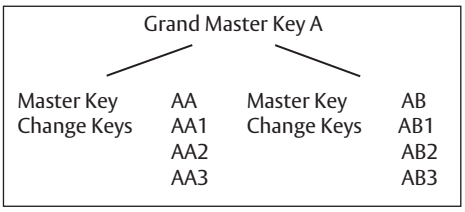
Keys and terms	Abbreviation	Definition
Change key	CK	Individual lock key
Masterkey	MK	Operates any given quantity of cylinders with different key changes
Grand Masterkey	GMK	Operates all individual locks already operated by masterkey(s)
Great Grand Masterkey	GGMK	Operates all locks under the various masterkey(s) and grand master key(s) already established
Emergency Key	EMK	Operates hotel locks having shut out feature which blocks entry by all other keys
Construction Key	CMK	Operates all cylinders designated for a temporary period during construction
Control Key	CTL	Key to install or remove interchangeable or removable cores
Keyway	KWY	Broaching in a cylinder plug
Key Section	KWY	Sidewarding on key to match broaching in plug
Single Keyed	SKD	Cylinders operated by their change key only; not operated by any master key

Examples of Master Key System Levels and Symbol Structure**

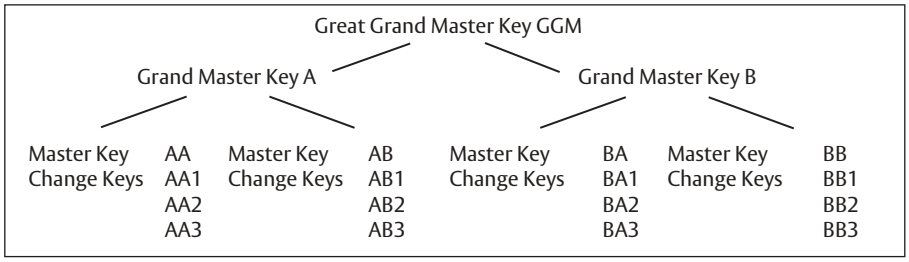
Level 2



Level 3



Level 4



**Master key system levels greater than Level 4 are not recommended. Contact SARGENT key records for additional information

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Construction Master Keying (21- Option)

Degree® Key System

SARGENT
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Construction Master Keying (Lost/Wafer Design) for DG1-, DG2- & DG3-

SARGENT Degree cylinders when master keyed are offered with the convenience of construction keying when specified with the 21- option. This is not recommended with DG3 key systems or any system where strict key control and management is enforced.

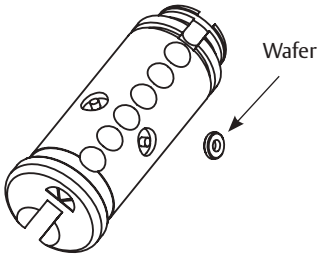
Construction keying simplifies the process when the building gets turned over. With this feature, the 21- cylinder is master keyed with a special construction feature in one of the chambers. The plug is prepped in two places along both sides of the same chamber containing the construction feature. This allows the construction master key to be used during the construction phases.

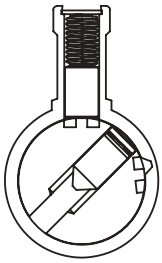
It is highly recommended that all construction keys are collected and accounted for once the project is complete to protect the integrity of the key system. This is not recommended with DG3 key systems or any system where strict key control and management is enforced.

New systems supplied with 6 construction master keys unless otherwise specified. Orders to existing key systems that require additional construction keys are to be specified and ordered separately.

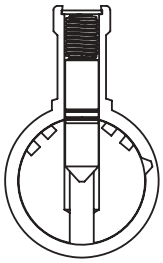
Orders with 21- will have all change keys shipped separately from hardware. Six construction master keys provided per system unless otherwise specified.

The 21- is not available with hotel function cylinders or large format interchangeable cores (6300 series). If construction keying is required for LFIC, specify 64-DG- construction keyed cores.

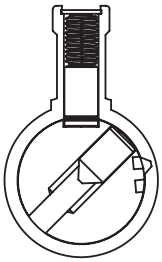




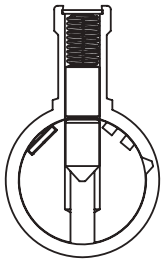
Cutaway cylinder showing construction master key being used, putting the wafer below the shear line while key is turned. Note the two empty "donut" holes on either side of the chamber.



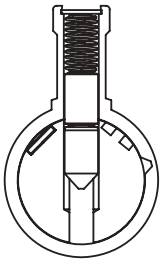
Change key inserted in cylinder putting the wafer at the shear line.



As **change key** rotates, construction wafer falls into "donut" hole in the side of plug. Only construction wafer will fall due to hole through its center. This voids the construction feature.



Change key rotated to position for extraction.



Construction key inserted after wafer is trapped. Driver now extends into plug chamber. Construction key if used will not rotate.

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KeyWizard™ Key Management Software

Cylinders and Components

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SARGENT'S KeyWizard™ 5.5 Software Package Tracks Multiple Key Systems Including Keys, Keyholders, Locations, and Hardware Information

This comprehensive key management software package was developed for locksmiths and end-users to track detailed information.

The program features easy to navigate, non-cluttered screens and uses a format similar to Microsoft® Outlook™.

Features:

- Free Technical Support at 1-800-610-1706 and system upgrades for 1 year
- Website support at www.keywizard.net
- Multi-level passwords and access levels
- Clear, easy to read screens
- Manages multiple end user key systems
- Customized query, reporting and search capability
- Global searching across multiple key systems
- Comprehensive hardware schedules
- Keyholder photos and signatures for identity verification
- Scheduled maintenance and reminders for overdue keys and back-ups
- Accurate key symbol sorting
- Multi-level key authorizations and key deposits
- Network and stand-alone versions
- Pinning calculators
- Reports options including printing in a variety of formats and e-mail
- Cylinder and key random serial ID generator
- Key authorization forms that can be printed at will
- Editable field titles
- Ability to connect to a website and search for any updates

How to order for new users:

Single License Version — KW-SS1
Network Version — KW-SSN1
Demonstration Version — KW-DEMO1

How to order, if upgrading from KeyMinder*:

Single License Version — UP-KW-SS1
Network Version — UP-KW-SSN1

*consult factory for eligibility requirements

Keying Data

Keying data (key sets and bittings) is available for order with new or existing systems to eliminate the need for manual data entry into Key Wizard. Place order based on size of system.

Part Number	Description
DLKW1	1 to 50 bittings
DLKW2	51 to 200 bittings
DLKW3	201 to 1000 bittings
DLKW4	1001-3000 bittings
DLKW5	3001-6000 bittings
DLKW6	6001-9000 bittings
DLKW7	Over 9000 bittings

Computer System Recommendations:

REQUIRED:

- 350 MHz processor
- 60 MB hard disk space
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

RECOMMENDED For Better Performance:

- 500 MHz or faster
- 70 MB or more
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order.
An owners letter of authorization must be attached to all purchase orders. Existing key system bittings lists are also available contact key records for more information.

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Architectural Specifications

Degree® Key System

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Part 1 – General

Keying Schedule—

- The keying schedule is just as important as the hardware schedule
- The key meeting requirements

Who attends

Example: "Upon approval of the finish hardware schedule meet with the owner's representative to determine the project's keying requirements. In attendance shall be a Certified Key System Specialist."

Administrative documents should be reviewed and executed at this meeting.

Delivery, Storage and Handling—

- The delivery and storage of the permanent cylinders, cores, keys,
  key control software

Extra Material—

- Consideration should be given to include additional permanent cylinders, key blanks and key cutting equipment, etc

Part 2 – Product

Keying: (SARGENT Degree)—

All cylinders shall be SARGENT Degree. Provide utility patented cylinders that require the use of a patented controlled key. Provide bump resistant fixed core mortise and rim cylinders standard. Except where otherwise specified all locksets, exit devices and cylinders shall be of the same
manufacturer. Provide recessed cylinder collars for all mortise and rim cylinders. Establish a new multilevel factory designed secured master key system for this project that will meet the owners requirements for this project and future expansion. All keying shall be done at the factory where permanent records will be established and maintained. Manufacturer to have a minimum of 10 years experience designing secured master key systems and have a published security policy.

Provide a 6 pin multilevel master key system which is comprised of patented controlled keys, security and high security cylinders that can all be operated by ONE key of the highest level. Geographical exclusivity shall be provided for all security and high security cylinders. Provide certified cylinders meeting ANSI/BHMA A156.5-2010 Grade 1. Provide mortise, rim and key-in-lever cylinders certified to UL437 where specified.

Provide construction master keying for all fixed core cylinders. Provide temporary keyed cores for all large formatted interchangeable core cylinders. Permanent keys and cores are to be delivered directly to the owner or owner's representative. Provide nickel silver keys with industry standard Visual Key Control stamping on the bow only for each permanent cut key. Furnish keys in the following quantities.

- 1 each top master key for the system(s)
- 4 each Change keys per cylinder or 10 keys per keyed alike group
- 2 each Control keys (if required)
- 2 each Master keys per master key group and/or selective master key
- 2 each Construction control keys (if required)
- 12 each Construction keys
- Provide 1 copy of bitting list to the owner

Where specified DG1; provide utility patented controlled keyway cylinders that are furnished with patented keys that are only available from authorized distribution. Provide bump resistant fixed core mortise and rim cylinders standard. Where specified DG2; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping and picking. Where specified DG3; provide utility patented controlled keyway and side bar locking incorporating unique angled bottom pins that provide end users with geographical exclusivity. Cylinders shall be constructed to provide protection against bumping, picking and drilling. Provide mortise, rim and key-in-lever cylinders certified to UL437.

Specified manufacturer Sargent Degree Key Control

- **Specify Key Wizard software**

Part 3 – Execution

Care should be taken to identify the required process of turning over a patented locking system to the owner.

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Degree® System Information Document Explanation

Degree® Key System

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Degree DG1 Required Administrative Documents:

- Mandatory; all new systems will require a completed System Information Document (orders can not be entered without this document). The fully executed original document will be kept on file at Sargent Manufacturing.
- Subsequent order requirement. A letter of authorization will be required if the product is shipped to an address other than what's recorded on the System Administration Document, and/or if the address on the purchase order is different than what is listed on the System Information Document.

Degree DG2 & DG3 Required Administrative Documents:

- Mandatory; all new systems will require a completed System Information Document (orders can not be entered without this document). The fully executed original document will be kept on file at Sargent Manufacturing.
- Subsequent order requirement: A specific randomized security code will be required for each order unless "Opt-Out" has been authorized by the systems administrator.

- If the "Opt Out" option is ***NOT*** selected
  - o A correct system specific (randomized) security code must be included with each subsequent order.
    - Security codes are specific to each order.
  - o If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representatives of the facility is required.
  - o Letter of Authorization must contain the same shipping address that appears on the customer's Purchase Order.
  - o Letters of Authorization will not be kept on file at factory.
  - o Without the proper security code, Letter of Authorization, or if the shipping address is other then what's listed on the System Information Document, the order cannot be processed.
- If the System Administrator elects not to use security codes as part of the authorization process, the "Opt Out" option can be authorized by the system administrator.
  - o If the "Opt Out" option ***IS*** selected
    - A system-specific security code is not required.
      - Letter of Authorization must be signed by one of the facility's authorized representatives.
      - If the shipping address is other then the one listed on the System Information Document, a Letter of Authorization will be required.
      - Letter of Authorization must contain the same shipping address that appears on the customer's Purchase Order.
      - Letters of Authorization will not be kept on file at factory.

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Degree® System Information Document

Degree® Key System

SARGENT
ASSA ABLOY

System: _____ DG1

_____ DG2 / DG3

Note: Degree SID is required with every initial order

*IMPORTANT: Sargent Degree Product is available with a "0" cut depth for DG1 systems **only** and it is not available for use in a DG2 or DG3 security level product. If there is a possibility to elevate the DG1 system to DG2 or DG3, any master keying expansion requests should be discussed with a Sargent Key Records team specialist."*

Facility Name: _____

Mailing Address: _____ Shipping Address: _____

City: _____ _____ City: _____

State/Province:_____Zip/Postal Code:_____ State/Province:_____Zip/Postal Code:_____

Phone: (_____)_____

Fax: (_____) _____

E-Mail:_____

By: _____

(Print Name, Primary Systems Administrator) (Title) (Authorized Signatures)

I understand that if any of the authorized representatives of this Facility (as listed below) are removed from their duties for any reason whatsoever, it is my responsibility to notify SARGENT Key Records Department, in writing, of their release and the names of their replacements.

Date: _____

Authorized Facility Representatives

(Print Name)	(Title)	(Authorized Signatures)

Please attach any additional Authorized Facility Representatives.

" OPT-OUT" Option (System Type DG2 & DG3 Only): By selecting this option I elect not to use the sequentially numbered registration certificates and agree to substitute them with a Letter of Authorization.

_____ Signature or initials required by System Administrator when selecting to "Opt-Out".

Note: Use this form along with the keying cover sheets found in the general information section of the price book

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90705 02/20

Product Catalog

SARGENT
ASSA ABLOY

XC Series
Cylinders



Experience a safer
and more open world

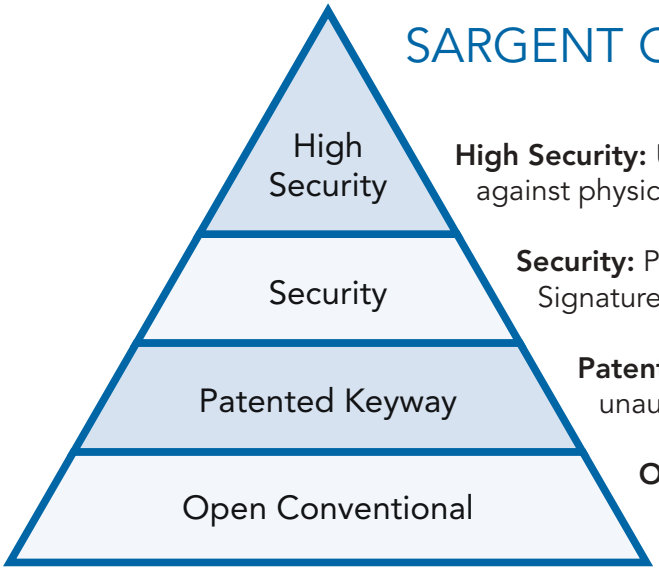
Cylinders

XC Series

SARGENT
ASSA ABLOY

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Mortise/Rim Cylinders, Rosettes & Blocking Rings 6
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11-6300 Cylinder/Lock Conversion Parts, Tools & Accessories 8
11-7P-7300B Small Format Interchangeable Cores 9
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Key Control Comparison & Key Blanks 11
Cylinders & Components 12
Architectural Specifications & How to Order 13



SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3, and UL-Keso.

Security: Protection against picking. Includes Degree DG2, Signature and Keso.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1 and XC.

Open Conventional: Legacy systems whose patents have run out and are not protected.

See product catalogs for more information

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On the Cover

XC 41 Mortise Cylinder
XC 7P-7300B Small Format Interchangeable Core
XC 10 Line Cylinder

KeyWizard™ Key Management Software

XC Series

SARGENT
ASSA ABLOY

SARGENT'S KeyWizard™ 5.5 Software Package Tracks Multiple Key Systems Including Keys, Keyholders, Locations, and Hardware Information

This comprehensive key management software package was developed for locksmiths and end-users to track detailed information.

The program features easy to navigate, non-cluttered screens and uses a format similar to Microsoft® Outlook™.

Features:

- Free Technical Support at 1-800-610-1706 and system upgrades for 1 year
- Website support at www.keywizard.net
- Multi-level passwords and access levels
- Clear, easy to read screens
- Manages multiple end user key systems
- Customized query, reporting and search capability
- Global searching across multiple key systems
- Comprehensive hardware schedules
- Keyholder photos and signatures for identity verification
- Scheduled maintenance and reminders for overdue keys and back-ups
- Accurate key symbol sorting
- Multi-level key authorizations and key deposits
- Network and stand-alone versions
- Pinning calculators
- Reports options including printing in a variety of formats and e-mail
- Cylinder and key random serial ID generator
- Key authorization forms that can be printed at will
- Editable field titles
- Ability to connect to a website and search for any updates

How to order for new users:

Single License Version — KW-SS1
Network Version — KW-SSN1
Demonstration Version — KW-DEMO1

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Network Version — UP-KW-SSN1

*consult factory for eligibility requirements

Keying Data

Keying data (key sets and bittings) is available for order with new or existing systems to eliminate the need for manual data entry into Key Wizard. Place order based on size of system.

Part Number	Description
DLKW1	1 to 50 bittings
DLKW2	51 to 200 bittings
DLKW3	201 to 1000 bittings
DLKW4	1001-3000 bittings
DLKW5	3001-6000 bittings
DLKW6	6001-9000 bittings
DLKW7	Over 9000 bittings

Computer System Recommendations:

REQUIRED:

- 350 MHz processor
- 60 MB hard disk space
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

RECOMMENDED For Better Performance:

- 500 MHz or faster
- 70 MB or more
- Windows® 7, Vista, XP, NT, ME, 2000 or 98
- 64MB Ram
- CD drive

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order. An owners letter of authorization must be attached to all purchase orders. Existing key system bittings lists are also available contact key records for more information.

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Features, Benefits & Components

XC Series

SARGENT
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The XC Series offers a new dimension in higher security cylinders and key control. The system features specially designed, patent protected keys which operate XC Cylinders and Conventional cylinders in one key system. XC Series cylinders can be integrated into most existing SARGENT systems (contact key records for compatibility) or as a new system. Multiple security levels are available to provide key control, convenience and service that meet the demands of each installation.

SARGENT offers bump resistant cylinders that employ specially engineered patent pending pinning components designed to resist bumping while maintaining the cylinder's strength.

The bump resistant feature is available for the following cylinders (6 pin only).

- Mortise, Rim & Bored Cylinders: Conventional and XC (11-)

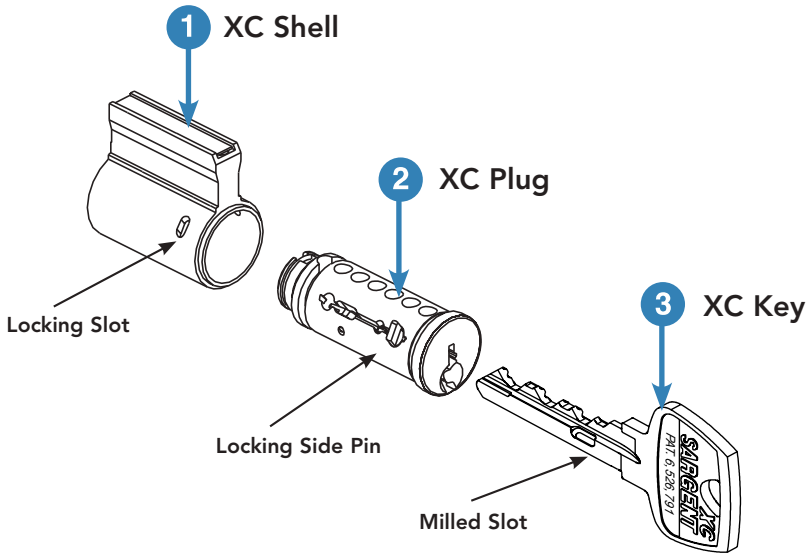
Features

- Patented XC- 6 pin conventional cylinders, XC- large format interchangeable core cylinders and XC- 7 pin small format interchangeable core cylinders in 4A keyway along with key blanks are sold only through authorized SARGENT distributors
- Precision built to extremely close tolerances and the highest standards of quality
- Captive independent locking mechanisms are controlled by the XC key
- Standard cylinder pins are complemented by the independent XC Locking Slide Pin and activated only by the XC Key
- Available in finished locks, complete cylinder assemblies and shell/plug components
- Available in standard SARGENT keyways L and R families only
- XC keys can be cut to operate non-XC conventional cylinders
- XC key blanks can easily be cut on standard key duplicating machines
- XC Cylinders are available with Bump Resistant Pins by specifying BR- Option
- XC Cylinders can be upgraded in the field with Bump Resistant Pins with the Bump Resistant Re-pinning Kit (437BR Kit)
- Available with and for most SARGENT products in conventional, construction, SFIC and LFIC cylinders
- Consult individual product catalogs for availability

Benefits

- Patent pending and/or patent www.assaabloydss.com/patents
- 7 Pin Small Format Interchangeable Cores in SARGENT 4A & 4B keyways only
- Increased security and key control by limiting unauthorized duplication
- Versatile design for new systems; retrofits most existing key systems. Consult factory for compatibility. Easily field keyed and maintained. Ideal for new construction.
- Cost effective method to increase security of existing systems without having to install a completely new system
- Security of a system can be increased where needed without having to issue all new keys
- Maintain and expand existing key systems using similar SARGENT products
- The interchangeable core option allows for fast and easy keying without having to disassemble the lock from the door or cylinder from knob/lever
- XC also available in 6300 (LFIC) removable cores for fast, easy rekeying without disassembling the hardware. Not available with all existing hardware. Some mortise locks and rim cylinders may require modification. Only 8 Line and bored locks that use removable tail pieces will require new tail pieces. See page 8 for compatibility.
- Easily field keyed with standard pinning kits

Components



Cylinders supplied to existing keys systems are not supplied with control, emergency of master keys unless specified on the order.

1 XC Shell*

The locking slot in the XC shell accepts the plug's locking side pin preventing the plug from rotating when engaged. The XC key with the properly cut and side mill inserted into the plug allows the plug to rotate freely in the shell.

2 XC Plug*

The XC plug is factory loaded with captive locking side pin mechanism which extends into the XC shell, preventing rotation until a properly milled key is inserted.

3 XC Keys*

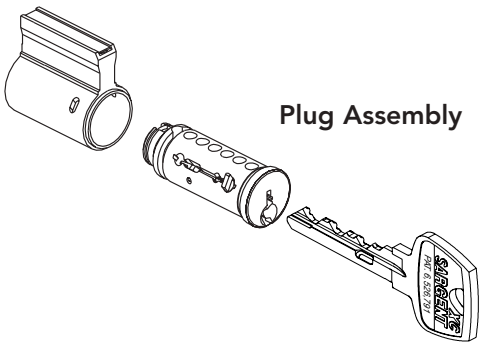
The XC key has a side milled slot to activate the locking side pin mechanism in the XC plug. The key's milled slot location is determined by keyway use. Standard key cutting can be done in the field on XC keys. The XC keys will operate standard SARGENT, non-XC cylinders. Two keys are provided standard with each cylinder.

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Bored & Auxiliary Lock Cylinders

XC Series

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Bored Locks

Locks	Complete 6 pin Assembly	Plug Assembly	Shell & Slide Assembly
T-Zone (11 Line)	11-C11-1	13-4332	13-4334
10X Line	11-C10X-1	13-4332	13-4334
10 Line	11-C10-1	13-4332	13-4334
9 Knobs***	11-C8-1	13-4331	13-4335
8 Knobs***	11-C8-1	13-4331	13-4335
8L ***	11-C10-1	13-4332	13-4334
7600 ***	11-C7600-1	13-4312	13-4339
7 Knobs***	11-C8-1	13-4331	13-4335
7 Line	11-C10-1	13-4332	13-4334
6500	11-C10-1	13-4332	13-4334
6 "B" Knob	11-C6-1B	13-4332	13-4336
6 "S", "N" Knobs	11-C6-1	13-4332	13-4336
5500	11-C5500-1	13-4328	13-4338
8X Line	11-C8X-1	13-4328	13-4338

*** Discontinued Product Line
- Available for all functions except 50 function
- Plug finishes: 4,15

Auxiliary Locks (Deadbolts)

Locks	Complete 6 pin Assembly	Plug Assembly	Shell & Slide Assembly
464***	11-C460-1	13-4329	13-4337
465***	11-C460-2	13-4329	13-4337
474	11-C480-1	13-4330	13-4337
475	11-C480-3	13-4330	13-4337
484	11-C480-1	13-4330	13-4337
485	11-C480-2	13-4330	13-4337
486	11-C480-3	13-4330	13-4337
487	11-C480-2	13-4330	13-4337

- Plug finishes: 4, 15

Note: Use SARGENT 437 C pinning kit for field rekeying
For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book
Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.
For all other cylinder components, refer to the standard Cylinder & Components section.
XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.

11 758/858 Padlock Features

- 758-Key Retaining. Key can only be removed when padlock is in locked position.
- 858-Non-Key Retaining. Key can be removed when padlock is unlocked. Key not required to relock padlock (snap locking).
- Cylinder easily removed while in the unlocked position for rekeying
- 6 pin cylinder standard
- Shackle locked by dual ball bearings
- All shackles 5/16" (8m) diameter
- Optional 11-63 XC LFIC (removable) core available

Complete Padlock	11-758/858 x Shackle height
Shackle Height (closed)	1" (25mm) standard, 2" (51mm) (-2 suffix) and 4" (102mm) (-4 suffix)
Shackle Material	Stainless steel -standard Boron hardened steel (-HS suffix) Brass chain 9" (228mm) long (-C suffix)
Cylinder assembly with tail piece	13-4584
Plug assembly	13-4332
Shell & Slide assembly	13-4334
Tail piece only	13-1230



11-758-C Shown
(Optional chain shown)

Note: XC 11- option not available with 10-, 22-, 51-, 52-, 82-, F1-82-, 83-, F1-83-, 84-, SC-or SE- options.

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Mortise/Rim Cylinders Rosettes & Blocking Rings

XC Series

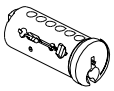
SARGENT ASSA ABLOY

11-40 Series Mortise Cylinders

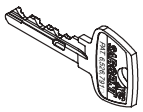
Complete 6 pin Assembly	Dim. X Length Under Cylinder Head	Plug Assembly	Shell & Slide Assembly
11-41	1-1/8" (29mm)	13-4314	13-4301
11-42	1-1/4" (32mm)	13-4315	13-4302
11-43	1-3/8" (35mm)	13-4316	13-4303
11-44	1-1/2" (38mm)	13-4317	13-4304
11-46	1-3/4" (44mm)	13-4318	13-4305
11-48	2" (51mm)	13-4319	13-4306
11-50	2-1/4" (57mm)	13-4320	13-4307
11-52	2-1/2" (64mm)	13-4321	13-4308
11-54	2-3/4" (70mm)	13-4322	13-4309
11-56	3" (76mm)	13-4323	13-4310



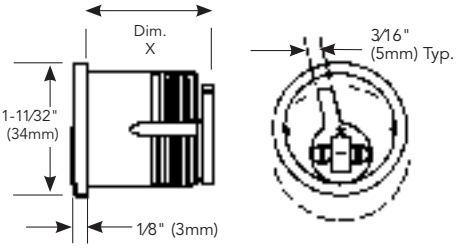
Shell & Slide Assembly



Plug Assembly



- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Available for all functions, except 50 function
- Furnished standard with No. 97 rosette and compression spring when ordered less hardware
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15



Note: Use SARGENT 437C pinning kit for rekeying
For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book
Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.
For all other cylinder components, refer to the standard Cylinder & Components section.
XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.

Optional Cams for 11-40 Series Mortise Cylinders*



Standard Cam (13-0664)

Standard Cam 11-41 thru 11-56



#105 (13-0665)

Short cam for 8292 and 8216 functions inside only



#101 (13-0512)

Adams Rite 1850, 4700



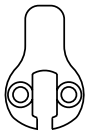
#113 (13-0921)

SARGENT 4370 Series key switches



#106 (13-0938)

"Open" Schlage "L"



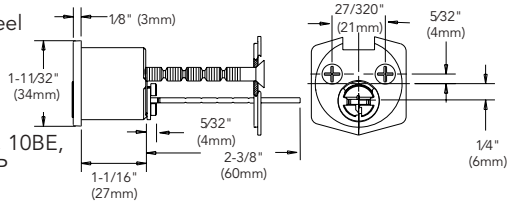
#112 (13-0097)

"Open" Misc.

* Two screws are used to attach cam, if needed order P/N 01-1121

11-34 Rim Type Cylinders

- Complete assembly (6 pin), specify 11-34
- Plug assembly, specify 13-4312
- Shell & slide assembly, specify 13-4299
- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring, "break-off" screws and back plate
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D, BSP, WSP
- Plug finishes: 4, 15



The 437BR Kit is used to convert existing cylinders into bump resistant cylinders. Simply replace the drivers and springs in all chambers. Each kit includes 300 pins for use in mortise/rim cylinders, 300 pins for use in KIK/KIL cylinders and 600 springs.



432 RC - Large Format Interchangeable Core Installation Tool
432 IC- Small Format Interchangeable Core Installation Tool



- Assists in the installation of Interchangeable Core cylinder bodies
- Assists in threading the cylinder body into the mortise lock
- Used to check the function of the cylinder in the lock before installing the cylinder core

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11- 6300 Series
Large Format Interchangeable Cores (Removable)
XC Series

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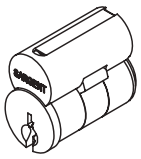
SARGENT XC 6300 Large Format Interchangeable Core (Removable) Cylinders offer a quick and easy method to change cylinders for increased security. The lock does not need to be removed from the door to rekey the opening. The XC core offers a patented cylinder option for full size LFIC (removable) core SARGENT cylinders.

Note: The XC cores will only work in SARGENT hardware ordered to accept them with the 11-60 or 11-63- or will need to upgraded in the field. Mortise and rim cylinder housings made with shorter version posts to accept the 11-6300 core can be used without modification. Not all lever style bored locks will accept this 11-6300 core. Only products with removable tail pieces that insert in the back of the core are compatible by using with new tail pieces. Existing 480 Deadbolt Series will require conversion. See page 8 for compatibility and parts needed to upgrade exiting hardware to accept the 11-6300 core.

11-63- Option Permanent LFIC (Removable) Core Cylinders

- SARGENT XC LFIC (Removable) Core Cylinders and Master Key Systems are available for a quick change of cylinders for increased security. It is not necessary to remove the lock from a door to rekey the opening.

  This XC core offers a patented cylinder option for full size removable core SARGENT cylinders. These XC cores will only work in hardware ordered to accept them with the 11-60 or 11-63- or will need to upgraded in the field. See the next page for parts needed and SARGENT hardware available for upgrading to XC 6300s.
- Special "control key" (catalog P/N X6272 CTL) is used to release a locking cam allowing immediate removal of the core
- Available for use in many SARGENT products (Exit Devices, Mortise locks, Bored locks and padlocks)
- Can be master or grandmaster keyed
- 6-Pin only
- 1 bitted available for field keying
- 1 bitted cylinders supplied with 2 key blanks, pins and springs in chambers in 3 and 4 only
- Wide variety of master key systems available
- Permanent (keyed removable) cores supplied with hardware unless specified otherwise



- Available in the following SARGENT keyway families: L & R families only.
- Finishes: 4, 15
- When ordering, use Cat # 11-6300; include finish.
- For masterkeyed orders include Keyed Order Leadsheets with keying details as found in General Information section of price book
- Request Control Key (X6272CTL) if required
- 1 bitted cylinders only pinned with pins and springs in the 3rd and 4th chambers. Two key blanks provided

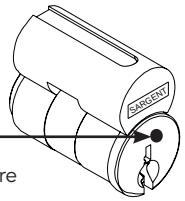
11- 60- Option Disposable Plastic Core



- During the construction phase in non restricted areas, disposable plastic cores can be used, eliminating use and distribution of the actual keys
- Order hardware with 11-60 to accept 11-6300 permanent cores ordered separately
- Once construction is near completion, the permanent keyed cores will be installed and the building secured; permanent keyed cores are ordered separately
- Disposable cores are typically used on interior doors
- Operate with coin or flat screw driver
- One piece design allows for easy installation
- To order plastic temp. core separately: Use p/n 13-5177

11- 64 Option Construction Keyed LFIC Keyed Cylinders

- The SARGENT 11-6400 LFIC brass construction core (order 11-64- Option with SARGENT products) enables doors to be locked during project construction period
- Using 11-6400 cores prevents keys for the permanent key system from becoming available during the construction process
- After construction is completed, the 11-6400 brass cores are removed and replaced with 11-6300 keyed permanent LFIC cores
- A special control key releases the locking sleeve of the cylinder core allowing immediate removal of the core
- Construction cores are all keyed alike in one KA keyset
- Furnished with 6 keys and 1 control as standard
- Plug face dimpled for easy identification



6400 Brass Core

11-6300 Series Parts Only

13-4326	Plug, Finishes: 4, 15
13-5175	Inner Shell & Slide Assy, Finishes: 4, 15
13-0796	Control Sleeve
01-0660	Plug retaining ring
13-1341	Slide for Cylinders WITHOUT a box around the word SARGENT (Mfg after 3/06)

Uses the same pins and principles of 6300 cores, For pins, springs and keying kits see page 16 and 17 of conventional catalog pages 16 & 17.

11- 63-34 Rim Cylinder

- Housing: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression ring when ordered with out hardware
- Includes the same tailpiece and screw hole pattern as the #34 cylinder
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL,14, 15, 20D, 32, 32D, BSP, WSP

11-63-40 Series Mortise Cylinders

- Cylinder: Solid brass 1-5/32" (29mm) diameter
- Cap: Brass, bronze and stainless steel
- See 11-6300 cam options on page 8
- Available in the following lengths:

Cylinder #	11-63-42	11-63-43	11-63-44	11-63-46
Length	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)



- Furnished standard with No. 97 rosette and compression ring
- Optional Collars/ Spacers available and ordered separately,

refer to product catalogs for additional information

- Other SARGENT keyways available
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL,14, 15, 20D, 32, 32D, BSP, WSP

11-60- Mortise Cylinders

- 11-60-42- up to size 46 same as above, but supplied with plastic disposable plastic core

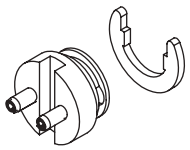
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11-6300 Cylinder/Lock Conversion Parts Tools and Accessories

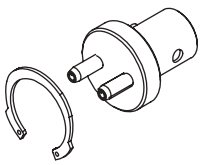
XC Series

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ASSA ABLOY

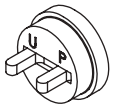
60-34 Rim, 8-Line and 480 Series Conversion Parts



Kit # 13-5178
for 11-63-34 Rim Cylinders



Kit # 08-5265
for 11-63-8-Line Knobs



Kit # 16-2519 for
Cam Assembly
for 11-63-Deadbolts

Cams for 11-6300 Large Format Interchangeable (Removable) Core Mortise Cylinders (Factory assembled to housing)

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required



Standard
6300 Series Cam



#105
Cam for 6300 Series 16 & 92 mortise function locks



#115
Cam for 6300 Series 50 function locks



#101
ADAMS RITE 1850 4710



#104
ADAMS RITE 4050, 4150, 4250, 4350, 4070, 4516



#113
4370 Series key switch



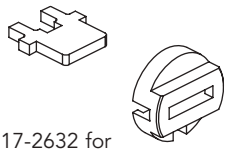
#106
Schlage "L"



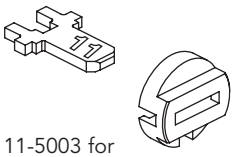
#112
Wide Straight

758/858 Padlocks, 11 Line (T-Zone), 10, 7, 6500 Line

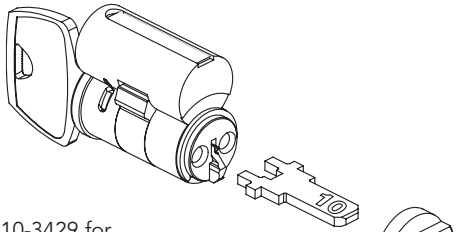
Note: Only locks with removable Tail Pieces can be upgraded to 11-6300 Cores



Kit # 17-2632 for
Padlock tailpiece pack



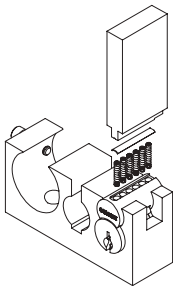
Kit # 11-5003 for
11-Line tailpiece pack

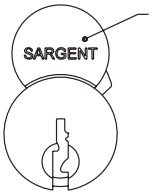


Kit # 10-3429 for
10 Line and 7 Line. 05-3125 for 6500 Series tailpiece pack (Cylinder Not Included)

436-1 Slide Block Kit

- Includes fixture and staking tool for use only with the 11- (10)- 6300 Series Cylinders manufactured after March 2006 for the ease of top loading in the field.
- The kit includes 100 each slides p/n 13-1341, Staking Block and Staking Tool.
- Cylinders manufactured after March 2006 will not include the box around the Sargent logo and can be used with this kit.

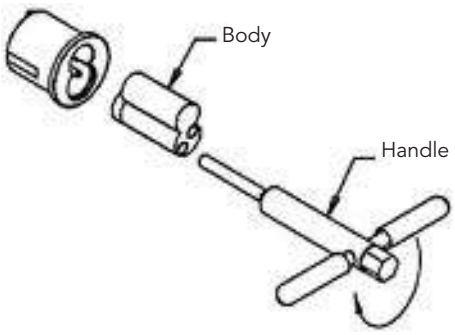




Cores without a box around the word "SARGENT"

431-6 Shear Tool

- Tool for preparing SARGENT 60-/63- mortise cylinders to accept 11-6300 XC cores
- Use Kit # 13-5178 for upgrading rim cylinders



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11-7P-7300B
Small Format Interchangeable Cores
XC Series

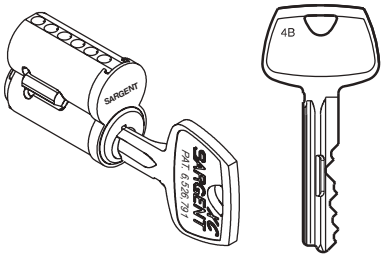
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11-7P-7300B Series Small Format Interchangeable Core (SFIC) Cylinders: 7 Pin Only

- SARGENT XC SFIC Cylinders are patented keys and cylinders for increased security. With a control key, these cylinders can be easily removed for rekeying. It is unnecessary to remove the lock from a door to rekey the opening. For use in SARGENT hardware only. Consult individual catalogs for product availability.
- SARGENT 11-7P Interchangeable Cores are available in SARGENT 4A and restricted 4B keyways
- 4A Keyway will be supplied standard on new systems
- A2 or A4 systems available
- Existing SARGENT mortise cylinders may require core mounting pin modification, use SFIC pin shear tool (p/n: 431-7)
- Existing SARGENT bored locks require new tail pieces to accept XC SFIC cores

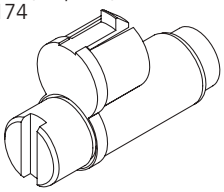
T-Zone (11 Line)	11-0276
10 Line	10-3138
7 Line	10-3138
6500 Line	05-0040

- XC 11- option not available with 10-, 22-, 51-, 82-, 83-, 84-, SC- or SE- options



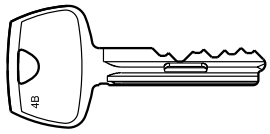
11-70- Option Disposable Plastic Construction Core For SFIC

- Used for those doors that do not require key locking during construction but will be using permanent 11-7300 B cores
- Offered in 11-70-34 Rim, 11-70-43 & 11-70-46 Mortise Cylinders and many bored locks, consult product catalogs for availability
- Operate with coin or flat screw driver
- Two piece design allows for easy installation
- To order Disposable Plastic Construction Core only, specify: 13-5174



Key Blanks/Cut Keys (Nickel Silver)

- Available in quantities of 100 each
- Packed 50 per box
- SARGENT Keyways: 4A, Restricted 4B
- Order 11-X7285B x Keyway
- Cut Master key 11-X7285 BMK x Reg. # Control key 11-X7282B CTL x Reg #



11-73-7P-34 Rim Cylinder

- Brass cylinder and housing
- Furnished with No. 97 rosette, break off screws and back plate
- Housing accepts 7 pin core only
- Mounting holes located to match SARGENT hardware
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20, 26, 26D, BSP, WSP



11-7P-7300B Keyed Small Format Interchangeable Core

- Supplied with two nickel silver keys as standard
- Face includes SARGENT logo
- For use in SARGENT hardware only, consult individual catalogs for availability
- 11-7P-7300B (7 pin)
- If Control 11X7272 CTL or Master key 11X7282BMK is required order separately
- Finishes: 4, 15

11-65-7300B Uncombinated Small Format Interchangeable Core

- Cores for field keying
- No pins, springs or key blanks provided
- No logo on face
- 11-65-7P-7300B (7 pin)
- Finishes: 4, 15
- Easily field keyed with SFIC keying kits in either the A2 or A4 pinning systems

431-7 Shear Tool

- Tool for preparing SARGENT 70-/73- mortise or rim cylinders to accept 11-7300B 7 pin XC core

11-72-7P Option Brass Small Format Interchangeable Construction Core

- SARGENT 7200 Interchangeable 7 pin brass construction core (order 11-72- option with SARGENT products) enables doors to be locked during construction
- Using 11-7200 cores prevents permanent key system keys from becoming available during construction process
- After construction is completed, 11-7200 brass cores remove and replace with 11-7P-7300 keyed-permanent interchangeable cores
- Plug face is blue for easy identification
- Special Control key (7254B CTL) releases locking sleeve of the construction core allowing for immediate removal of the core
- Construction cores are 7 pin and keyed alike
- Six (6) construction master keys (p/n 7254B CMK) and one (1) Control key included
- Cores shipped with hardware

11-73-7P-40 Series Mortise Cylinders

- Two cylinder sizes
- 11-73-7P-43, 1-3/8" (35mm) length under cylinder head (including cam)
  11-73-7P-43 (7 pin)
  11-70-43 (shell less core)



- 11-73-7P-46, 1-3/4" (44mm) length under cylinder head (including cam)
  11-73-7P-46 (7 pin)
  11-70-46 (shell less core)
- 1-5/32" (29mm) diameter housing
- Furnished with (#97) cylinder rosette as standard
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Cam is permanently staked to housing
- Housing accepts 7 pin core only
- Mortise cylinder cams operate current SARGENT hardware
- Offered with SARGENT standard offset cam only
- Hotel Function not available
- Finishes: 3, 4, 9, 10, 10B,10BL, 14, 15, 20, 20D, 26, 26D, BSP, WSP

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Construction Master Keying

XC Series

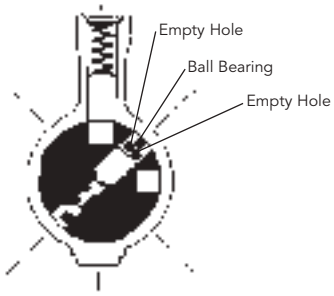
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ASSA ABLOY

Cylinders ordered with construction keying will receive the 21- option Lost Ball feature. With this option, construction keying is obtained without the nuisance of going back to each cylinder and removing the construction split key when the building is turned over. The 21- cylinder is master keyed with small ball bearings in one of the chambers. The 21- plug is drilled in two places on each side of the chamber containing the balls. While the building is under construction, the master key to be used, the balls remain in the chamber above the plug.

Voiding the construction master key is accomplished by simply using the Change key, which allow the balls to fall into one of the holes on either side of the chamber. The construction master key will no longer operate the cylinder.

Orders with 21- will have all change keys shipped separately from hardware.

- 21- is not available with removable core (5100, 6300 or 7300)
- Use 11-72 option for construction keying for 11-7300 cores
- 21- replaces the 22- split key, which is only available as an addition to existing 22- master keyed systems
- Use 11- 64- option cores for XC- removable core cylinders
- #439 Lost Ball Rekeying Kit allows for Field construction of 21- lost ball keying
- #439 kit includes a drilling block, knurled pin, 500 balls and drill with collar



Shown above is a cross section of a 21-Option Lost Ball Cylinder with the Construction Master Key inserted and rotated.

The ball bearings lie flat with one positioned behind the other. They are not stacked.

To Void Construction Key

Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.



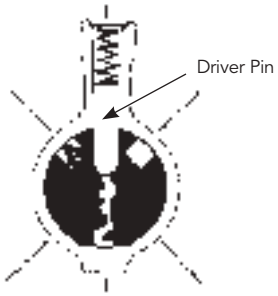
In this view, the Change Key is inserted into the cylinder's plug to void the Construction Master Key. The Change Key raises the three balls above the plug.



As the Change Key is rotated, the three construction balls fall into one of the holes in the plug



The Change Key is then rotated to the vertical position for extraction



If the Construction Master Key is inserted (as shown) after being voided, it will not rotate because Driver pin now extends into the plug chamber. This prevents it from rotating and voids the Construction Master Key.

No. 1KB Rosette



- KB Series Rosette - supplied standard with 8200 Mortise Locks and are used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- 1-1/2" (38mm) diameter (includes compression spring)
- Projection from door:

1KB-1	5/16" (8mm)
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)
1KB-4	11/16" 16mm

No. 90 Blocking Ring



- No. 97 Rosette - supplied standard with 7900 Mortise Locks, Exit Device with pulls and cylinders ordered separately from hardware
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- 1-11/16" diameter (43mm), 9/32" (7mm) projection (includes compression spring)

No. 97 Rosette



- Standard for cylinders ordered separately from hardware
- 1-11/16" diameter (43mm), 9/32" (7mm) projection (includes compression spring)

Note:
Parts shown on this page are unique to the XC feature. These plugs and shells cannot be used with non-XC components.
For all other cylinder components, refer to the standard Cylinder & Components section.
XC 11- option not available with 10-, 22-, 51-, 52-, 82-, 83-, 84-, SC- or SE- options.

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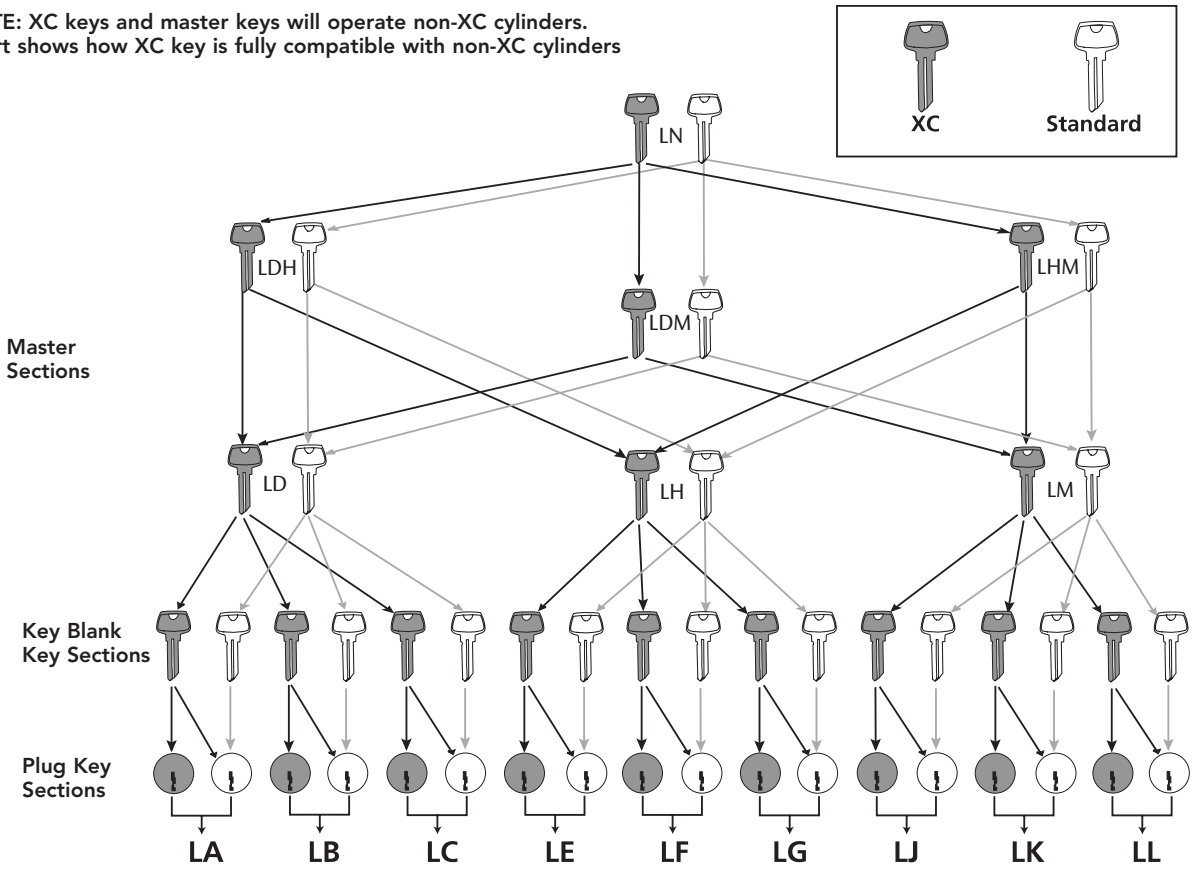
Key Control Comparison & Key Blanks

XC Series

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XC vs. Standard Keyway Control

NOTE: XC keys and master keys will operate non-XC cylinders.
Chart shows how XC key is fully compatible with non-XC cylinders



LA family shown above (also available in SARGENT R Multiplex family).

SARGENT Key Blanks

Master Key Section (6 Pin)	Day or Change Key (6 Pin)	
Catalog Number 11-X6270	Catalog Number 11-X6275	
LD	LA	RA
LH	LB	RB
LM	LC	RC
LDH	LE	RE
LHM	LF	RF
LN	LG	RG
RD	LJ	RJ
RH	LK	RK
RM		
RDH		
RDM		
RHM		
RN		

Small Format Interchangeable Core Keyways

Master/Day/Change Key (7 Pin only)
Catalog Number 11-X7285B x keyway
SARGENT 4A
SARGENT 4B (Restricted)*
* Pre approval required by SARGENT key record department

- Packed 50 per box
- Order by Catalog Number x Keyway

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Cylinders & Components
XC Series

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Visual Key Control (Stamping)

To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.

Non-visual key control stamped change (day) keys include bitting numbers as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and key set substituted.

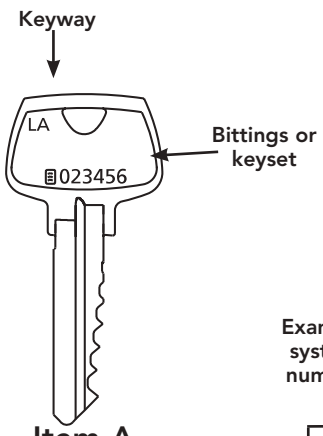
SFIC and Signature change keys are stamped with key set symbols as standard.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

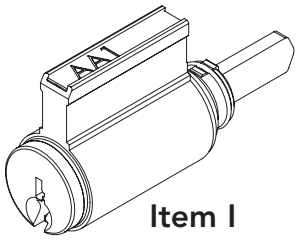
Up to 7 characters available for permanent stamping for Visual Key Control

- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT LFIC (removable) cores, bored lock, mortise/rim cylinders (Item E, I D)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as “DO NOT DUPLICATE” or “CITY OF PHOENIX”
- XC and Signature cylinders not available with visual plug stamping
- XC and Signature cylinders available with only concealed slide stamping (Item D, E and I) only
- Signature LFIC 10-6300 available with cylinder slide stamping (Item E)

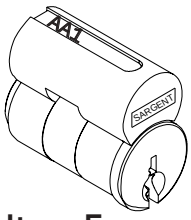
Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code



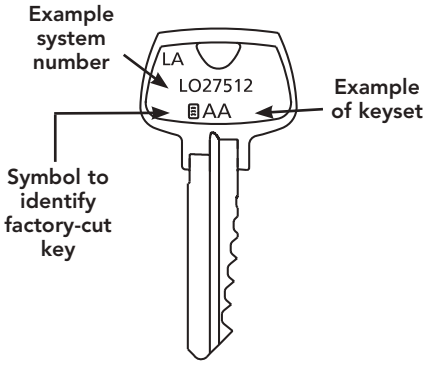
Item A
Change (Day) Key Stamping



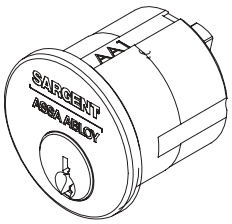
Item I



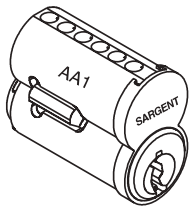
Item E



Item B
Master Level Key Stamping



Item D



Item F

Tamper Proof Packaging

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with “SARGENT Sealed For Your Security” provides assurance of the integrity of the factory generated key system.

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Architectural Specifications
How to Order
XC Series

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Architectural Specifications

2.0 Cylinders, Key, and Keying – Standard Cylinders and 6300 Large Format Interchangeable Core (Removable)

A. Acceptable Manufacturer and Series (No Substitutions):

Manufacturer	Series
SARGENT	XC

B. Provide patented cylinders and LFIC cores that require a patented key which are protected from unauthorized manufacture and distribution.

C. The key design and tolerances shall permit the cutting of keys with standard code or duplicating machines. The requirement for a single-purpose or keyway-specific cutting or duplicating machine shall not be allowed.

D. The key design and tolerances shall permit the use of keys and cylinders in existing key systems having similar keyways and sections.

E. Provide 6 masterkeys for each masterkey set. Provide 2 change keys for each lock. Stamp keys "DO NOT DUPLICATE".

F. Key blanks shall only be shipped to end-user locations upon written documentation from authorized purchasing personnel and for specified number of keys only.

G. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

H. Deliver all permanent key blanks and other security keys direct to Owner's representative from SARGENT Manufacturing via secure courier, return receipt requested. Failure to properly comply with these requirements may be cause to require replacement of all or any part of the cylinders and keys involved as deemed necessary at no additional cost to the Owner.

2.1 Cylinders, Key, and Keying – 7300 Small Format Interchangeable Core

A. Acceptable Manufacturer and Series (No Substitutions):

Manufacturer	Series
SARGENT	XC

B. Provide 7-pin small format interchangeable core (SFIC) cylinders.

C. Provide cylinders and keys protected from unauthorized manufacture and distribution by manufacturer's United States patents.

D. The key design and tolerances shall permit the cutting of keys with standard code or duplicating machines. The requirement for a single-purpose or keyway-specific cutting or duplicating machine shall not be allowed.

E. The key design and tolerances shall permit the use of keys and cylinders in existing key systems having similar keyways and sections.

F. Provide 6 masterkeys for each masterkey set. Provide 2 change keys for each lock. Provide 2 control keys for core removal. Stamp keys "DO NOT DUPLICATE".

G. Key blanks shall only be shipped to end-user locations upon written documentation from authorized purchasing personnel and for specified number of keys only.

H. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

I. Deliver all permanent key blanks and other security keys direct to Owner's representative from SARGENT Manufacturing via secure courier, return receipt requested. Failure to properly comply with these requirements may be cause to require replacement of all or any part of the cylinders and keys involved as deemed necessary at no additional cost to the Owner.

How to Order

Options are used to identify optional features which are added or part of a SARGENT product.
XC Cylinders are available by specifying 11- prior to the product description. Mortise example: 11-8226 LNL x 32D and 10 Line example: 11-10G05 LL x 32D, etc.

XC- Cylinders are also available as Bump Resistant by specifying BR-11-. Mortise example: BR-11-8237 LNL x 32D and 10 Line example: BR-11-10G05 LL x 32D, etc.

If other options are being ordered, list options in numerical order: 11-73-7P-10G05, 11-21-8226 x 32D, etc.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
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Signature® Series



Experience a safer
and more open world

SARGENT
ASSA ABLOY

Signature® Series

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Key Blanks/Cut Master Keys	8
Visual Key Control	9
Keyway Control	10
Construction Master Keying (21- Option)	11
Registration Forms	12
How to Order/Special Features.	13

Policy

The SARGENT® Signature® protected cylinders and keys are available through the normal channels of distribution.

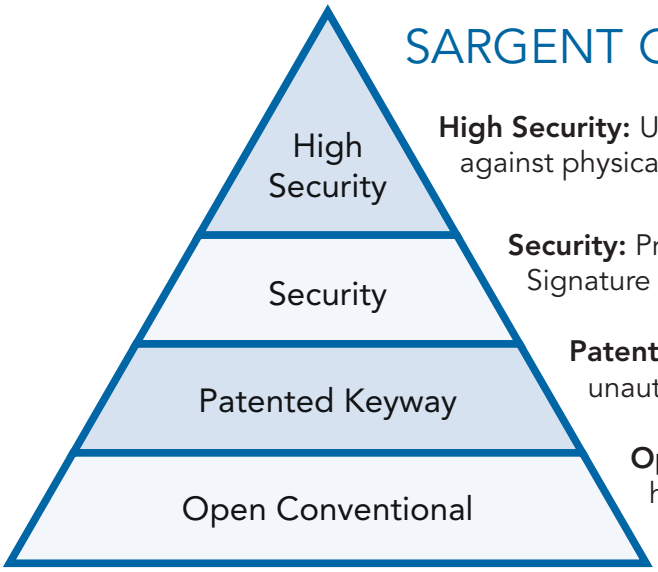
Assignment of unique SARGENT Signature patterns must be pre-approved by the factory.

A letter requesting a SARGENT Code Pattern Registration Form must be sent to the Key Records Department in New Haven, CT.

Signature patterns will be issued by predefined geographical boundaries and assigned in accordance with a standard factory policy. This policy would not reuse the same key way with the same Signature dimple pattern in the same state or adjacent states providing a large area of exclusivity. For example a system in Connecticut would not be reused in New York, Massachusetts or Rhode Island.

A letter of authorization under the letterhead of the End-User must accompany any purchase orders for any products which involve SARGENT's Signature cylinders and/or keys.

SARGENT Signature patterns are assigned at the End-User level.



SARGENT Cylinder & Key Control Products

High Security: UL437 Drill & Pick-Resistant Systems offer protection against physical attacks. Includes Degree DG3and UL-Keso.

Security: Protection against picking. Includes Degree DG2, Signature and Keso.

Patented Keyway: Keys are protected against unauthorized duplication. Includes Degree DG1 and XC.

Open Conventional: Legacy systems whose patents have run out and are not protected.

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* See product catalogs for more information

KeyWizard™ Key Management Software

Signature® Series

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SARGENT'S KeyWizard™ 5.5 Software Package Tracks Multiple Key Systems Including Keys, Keyholders, Locations, and Hardware Information

This comprehensive key management software package was developed for locksmiths and end-users to track detailed information.

The program features easy to navigate, non-cluttered screens and uses a format similar to Microsoft® Outlook™.

Features:

- Free Technical Support at 1-800-610-1706 and system upgrades for 1 year
- Website support at www.keywizard.net
- Multi-level passwords and access levels
- Clear, easy to read screens
- Manages multiple end user key systems
- Customized query, reporting and search capability
- Global searching across multiple key systems
- Comprehensive hardware schedules
- Keyholder photos and signatures for identity verification
- Scheduled maintenance and reminders for overdue keys and back-ups
- Accurate key symbol sorting
- Multi-level key authorizations and key deposits
- Network and stand-alone versions
- Pinning calculators
- Reports options including printing in a variety of formats and e-mail
- Cylinder and key random serial ID generator
- Key authorization forms that can be printed at will
- Editable field titles
- Ability to connect to a website and search for any updates

How to order for new users:

Single License Version — KW-SS1
Network Version — KW-SSN1
Demonstration Version — KW-DEMO1

How to order, if upgrading from KeyMinder*:

Single License Version — UP-KW-SS1
Network Version — UP-KW-SSN1

*consult factory for eligibility requirements

Keying Data

Keying data (key sets and bittings) is available for order with new or existing systems to eliminate the need for manual data entry into Key Wizard. Place order based on size of system.

Part Number	Description
DLKW1	1 to 50 bittings
DLKW2	51 to 200 bittings
DLKW3	201 to 1000 bittings
DLKW4	1001-3000 bittings
DLKW5	3001-6000 bittings
DLKW6	6001-9000 bittings
DLKW7	Over 9000 bittings

Computer System Recommendations:

REQUIRED:

- 350 MHz processor
- 60 MB hard disk space
- Windows® 7, XP, 7 (32 bit and 64 bit), or 8
- 64MB Ram
- CD drive

RECOMMENDED For Better Performance:

- 500 MHz or faster
- 70 MB or more
- Windows® XP, 7 (32 bit and 64 bit), or 8
- 64MB Ram
- CD drive

BITTING LISTS

Paper bitting lists provided at no charge for factory corresponding keyed orders when requested at time of hardware order. An owners letter of authorization must be attached to all purchase orders. Existing key system bittings lists are also available contact key records for more information.

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Signature Components

Signature® Series

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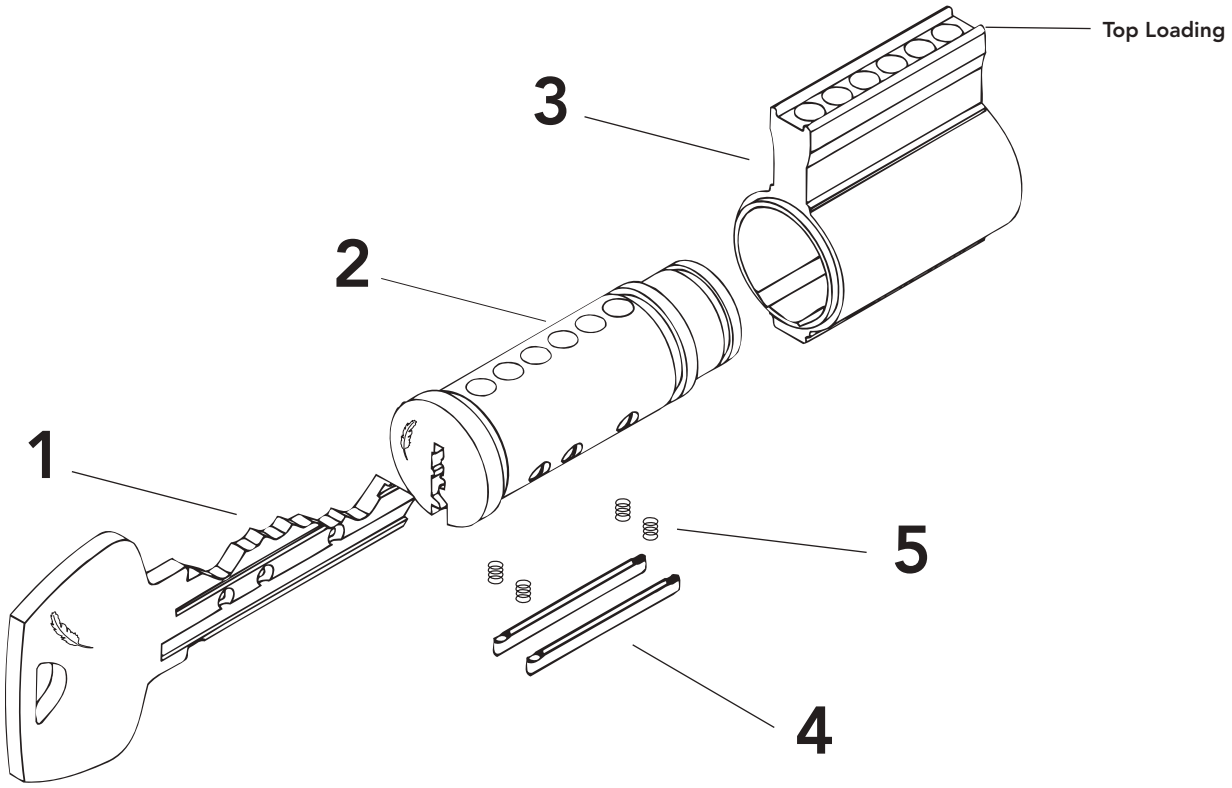
The Signature key system consists of a 6 pin cylinder with 2 added blocking bars with shear lines (item 4) which work in conjunction with 6 factory loaded side pins. The side pin depths and locations vary and only work with a corresponding dimpled key.

In addition, two "blocking pins" for a total of 8 are in each plug/barrel. These blocking pins prohibit non Signature keys from being inserted into the Signature cylinder. Signature keys can operate non-Signature cylinders.

These pins are factory installed and do not need to be serviced.

The Signature key system is ideal for existing facilities that would like to upgrade to a protected key system with minimal effort.

Signature can easily be blended into most existing key systems while allowing the end user one master key that will open both Signature and non-Signature cylinders.



Key Blank

1 Standard key bitting can be accomplished in the field with any industry standard duplicating or code cutting machine.

Signature Barrel (Plug)

2 Unique Signature pattern code pins factory loaded. Field servicing not required.

Signature Body

3 Grooved to function with offset blocking bar assemblies.

Signature Offset Blocking Bar

4 **(2) Two per cylinder.**
Locks out all but correctly dimpled and bitted keys.

Signature Offset Blocking Bar Springs

5 **(4) Four per cylinder.**
Two per offset blocking bar. Supplies required spring force to prevent compromise of offset blocking bars by anything other than a correctly dimpled and bitted key.

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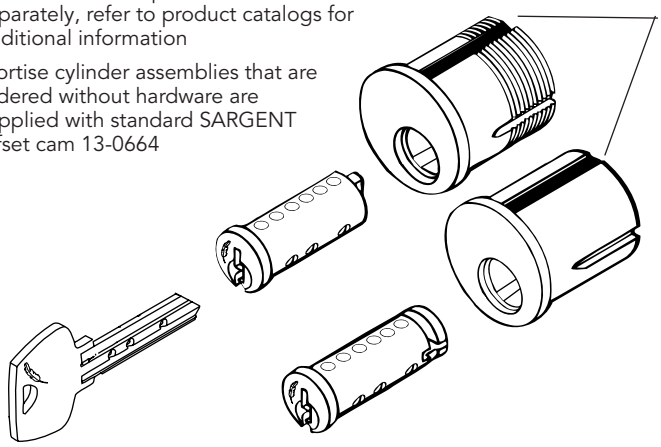
Mortise & Rim Cylinders

Signature® Series

SARGENT
ASSA ABLOY

Extra security, exclusive end-user pattern, and protected key control are the main benefits of the Signature Series. The protected key design provides additional control over unauthorized key duplication, while the cylinder's unique design resists attempts at manipulation. The Signature feature is offered in the majority of Sargent keyways to provide a perfect solution to upgrading the level of control in an existing masterkey system.

- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664



Top Loading of Cylinders allows for easier field pinning (since May 2008)

Cams for use with 40 Series



Mortise/Rim Cylinders

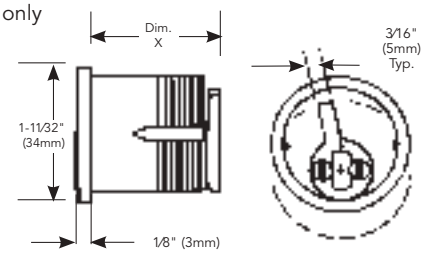
	Complete 6 Pin Assembly **	Barrel***	Body & Slide Assembly	Cylinder Length
40 Series* Cylinder	10-41	13-3835	13-3726	1-1/8"
	10-42	13-3836	13-3727	1-1/4"
	10-43	13-3837	13-3728	1-3/8"
	10-44	13-3838	13-3729	1-1/2"
	10-46	13-3839	13-3730	1-3/4"
	10-48	13-3840	13-3731	2"
	10-50	13-3841	13-3732	2-1/4"
	10-52	13-3842	13-3733	2-1/2"
	10-54	13-3843	13-3734	2-3/4"
	10-56	13-3844	13-3735	3"
Rim Cylinder*	10-34	13-3845	13-3847	

* When cylinders are ordered (without hardware), they are packed with #97 rosette as standard. Others available, consult Product Catalogs for optional collars

** Cylinders offered in the following finishes: US 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

*** Barrels offered in US 4 and 15 only





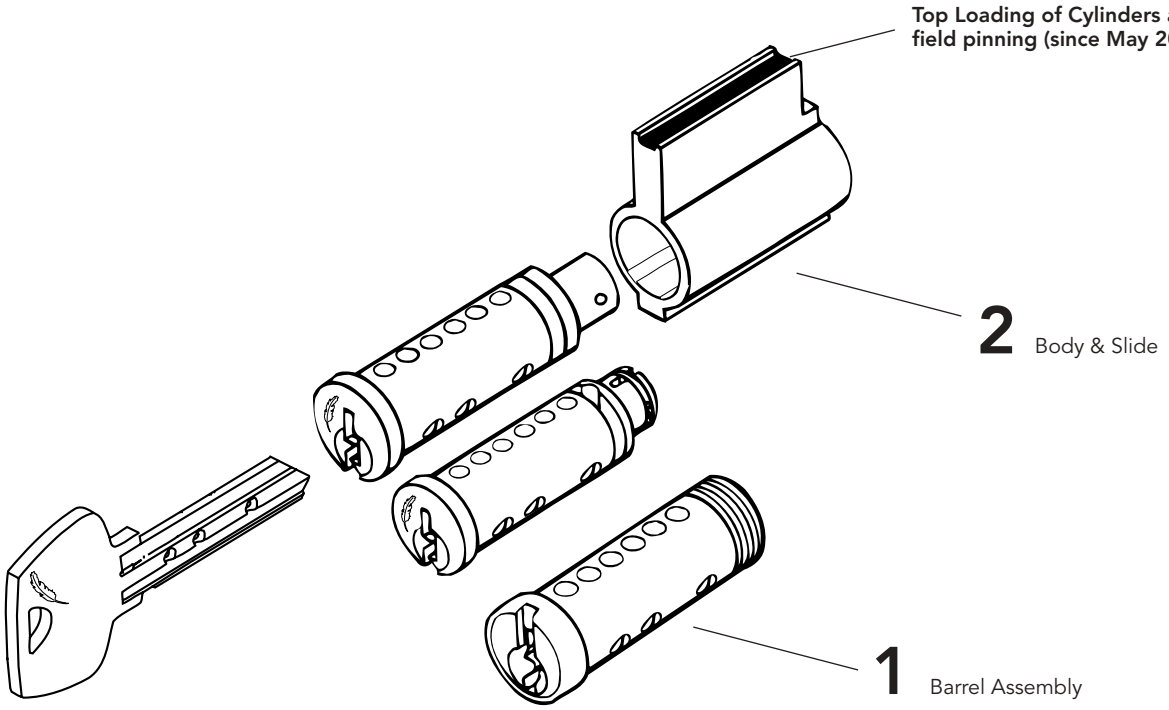
Note: Parts on this page reflect only those that are unique to the Signature feature. For all other cylinder components, refer to the standard cylinder section

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Bored Locks Cylinders

Signature® Series

SARGENT
ASSA ABLOY



Bored Locks

Functions	Lockset	Assembly	Barrel Assembly #1	Body & Slide #2
All except 50 function	11 Line	10-C11-1	13-3851	13-3710
All except 50 function	10X Line	10-C10X-1	13-3851	13-3710
All except 50 function	10, 8L, 7 Lever, 6500	10-C10-1	13-3851	13-3710
All except 50 function	9, 8*	10-C8-1	13-3850	13-3852
All except 50 function	6 "S","N"	10-C6-1	13-3851	13-3710
All except 50 function	6 "B"	10-C6-1B	13-3851	13-3710
All except 50 function	8X	10-C8X-1	13-3938	13-3937

Auxiliary Locks (Deadbolts)

Lockset	Assembly	Barrel #1	Body #2
474, 484	10-C480-1	13-3849	13-3855
475, 485, 487	10-C480-2	13-3849	13-3855
486	10-C480-3	13-3849	13-3855
464*	10-C460-1	13-3849	13-3854
465*	10-C460-2	13-3849	13-3854

Note: Parts on this page reflect only those that are unique to the Signature feature. For all other cylinder components, refer to the standard cylinder section

Cylinders offered in US 4 and 15 only

For products not listed, contact factory for availability

* Discontinued Product Line

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10-6300 LFIC Cylinders and 6300 Series Tools

Signature® Series

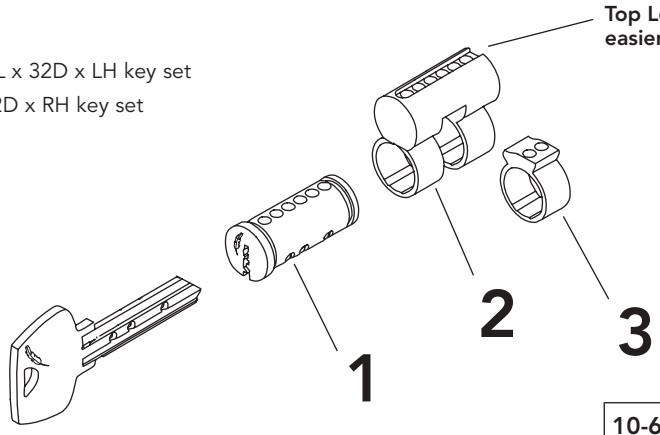
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Signature LFIC core cylinders offer a protected cylinder with the convenience of quickly changing cores without lock disassembly. Consult individual product catalogs for availability.

Ordering examples:

10 Line Cylindrical – 10-63-10G05 LL x 32D x LH key set

8200 Mortise – 10-63-8204 LNL x 32D x RH key set



10-6300 LFIC can be used with:

- 10-63-34 Rim Cylinders
- 10-63-40 Series Mortise Cylinders (in Sizes 42 (1-1/4"), 43 (1-3/8"), 44 (1-1/2") & 46 (1-3/4")
- 10-63-11 Line (T-Zone Locks)
- 10-63-10 Line Locks
- 10-63-7 Line Locks
- 10-63-6500 Series
- 10-63-8 & 10-63-9 Line Bored Locks
- 10-63-758 Padlocks
- 10-63-858 Padlocks

Note: Not available with the UL option

10-6300 Cores	
Complete Core	10-6300 x finish
#1 Barrel	13-0976
#2 Body Only	13-0977
#3 Sleeve	13-1074
Slide (Not Shown)	13-0797/ 13-1341*

* Slides for cylinders mfg after 3/06

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required



Standard
6300 Series Cam



#105
Cam for 6300 Series 16 & 92 mortise function locks



#104
ADAMS RITE 4050, 4150, 4250, 4350, 4070, 4516



#101
ADAMS RITE 1850 4710



#106
Schlage "L"



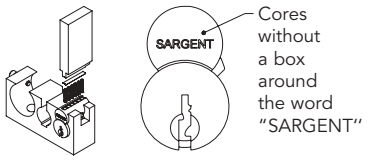
#113
4370 Series key switch



#112
Wide Straight

436-1 Slide Block Kit

- Includes fixture and staking tool for use only with the (10)- 6300 Series Cylinders manufactured after March 2006 for the ease of top loading in the field
- The kit includes 100 each slides (p/n 13-1341), Staking Block and staking tool
- Cylinders manufactured after March 2006 will not include the box around the SARGENT logo and can be used with this kit



Note: Cores made prior to March 2006 can be bottom loaded or top loaded with slide 13-0797, which must be staked.

432 RC Tool for 6300 LFIC (Removable Core)



- The 432 RC tool to assist in installing SARGENT LFIC (Removable Core) Mortise Housings. This tool makes it easy to thread a cylinder body into a Mortise lock and can also be used to check the cylinder function of a lock before installing the cylinder core
- Order as: 432 RC for the 6300 LFIC (Removable) Core Installation Tool

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Key Blanks/Cut Master Keys

Signature® Series

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Part Numbers

All Signature key blanks are stamped at the factory with the Quill Logo and the individual Signature pattern. The Signature key blanks with the end user's unique dimple pattern are available only from SARGENT.

Available Keyways: L and R. For other sections, call factory.

Orders for these key blanks must be accompanied by a letter of authorization under the end user's letterhead. This letter must contain the required key section(s) and appropriate authorizer's identification

The Signature Key Blank for field cutting and stamping key is offered in two styles.

Version one: The key blank has the standard SARGENT logo embossed on one side. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern, keyway and space for one additional line of stamping such as key set.

Version two: The key is less SARGENT logo. This allows for additional space for optional stamping such as custom field stamping. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern key way and one additional line for stamping such as key set. Key set symbols or alternate symbols will be stamped on all master keyed orders.

Two types of Signature featured key blanks are available for specific Keyway (sections) configurations: the day key or single key section, and the Master Keyway sections.

10-S6275 Day Key x keyway
10-S6270 Master Section x keyway

Note: Sold in boxes of 50 per keyway

For cut master and control keys order by the following #s:
Change (Day) key 10 S6272 CHK
Master or Grandmaster 10-S6272 MK
Control Key 10-S6272 CTL
Control Key 10-S6255 CTL used with 1 bitted 10-6300 cores



Key bittings can be cut on any industry standard key cutting machine.

437S Signature Keying Kit

Used to service SARGENT Signature cylinders. Includes all of the same components as the 437C. Includes the brass pins, springs and tools needed to rekey SARGENT conventional, XC cylinders (Except SFIC) and interchangeable cores master keyed after January 2009. This heavy duty steel kit prevents pins from mixing. The kit includes 100 each of top springs 13-0265,100 each 13-1769 springs used with standard drivers in the (10-) 6300 cores and 100 each of bottom and master/driver pins used in the following multi-family keyways: LA, RA, HA, CA, AA, BA, GA, KA, NA and VA.

Note: When re-pinning SARGENT 6300 Large Format Interchangeable (Removable) Core cylinders made before January 2009 they contained special hollow drivers, the 437RC/UL supplemental pinning kit is required

Tools included with kit are:

- Tweezers, 13-0498
- Bitting Gauge #435
- Loading Thimble ("Plug Holder" LT2)
- Loading Rod for 6, 8, 10, 11, mortise & rim cylinders, 13-1034
- Loading Rod for 480, 470, 460 and 6300 Cores, 13-1035
- Loading Rod Blades 13-1138 and 13-1037
- See Table on Page 15 for pins included in Cylinders and Components catalog
- 100 Blocking Bar Springs, 13-0986
- 10 each Blocking Bars, 13-1109
- 1 each Field Service Tool, 13-3916

When pins are sold separately, they are packaged in easy to see and use foil & plastic packages in quantities of 100 per size.



437 RC Large Format Interchangeable (Removable) Core Keying Kit

Use with the 437C or 437S kit. Includes additional pins to repin SARGENT 6300 and 10-6300 Large Format Interchangeable (Removable) Core cylinders that have been pinned using the hollow drivers.

The kit includes special hollow top driver pins and springs which were used in the 3rd and 4th chambers of master keyed cores.

These pins are in the same increments as standard pins.

Each kit includes:

- 100 each hollow top pin springs, 13-0487
- 50 each cylinder retainers, 01-0660
- 50 each (hollow top pins)



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Visual Key Control

Signature® Series

SARGENT ASSA ABLOY

Visual Key Control (Stamping)

To allow for easier key and cylinder identification, SARGENT offers the option for permanent stamping of keys and/or cylinder with industry standard alpha-numeric keyset symbols.

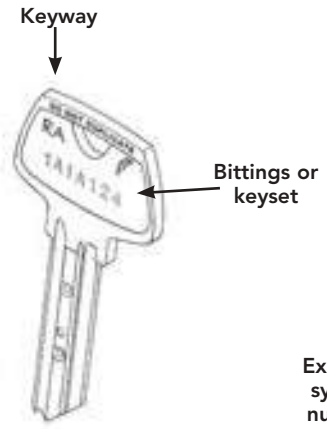
Non-visual key control stamped change (day) keys include keysets as standard, (Item A) unless specified in keying order lead sheet submitted with order requesting to be omitted and substituted with bitting numbers.

Master level keys do not include bitting numbers. Master level keys include system register numbers stamped on the first line, and the standard visual key control designations on the second line (Item B).

Up to 7 characters available for permanent stamping for Visual Key Control

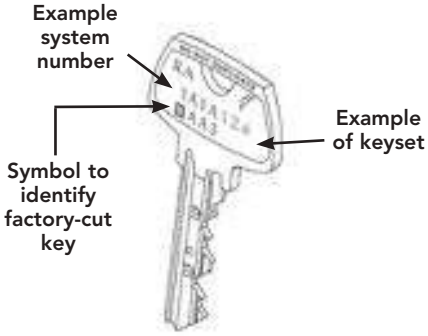
- Key and cylinder identified by industry standard alpha-numeric keyset symbols
- Concealed stamping on mortise and rim cylinders and bored lock cylinders available on the slide only (Item D or I)
- Cylinder-slide stamping available on 5100 and 6300 SARGENT LFIC (removable) cores, bored lock, mortise/rim cylinders (Item E, I D)
- Core side engraving available for 7300B Series up to 7 characters (Item F)
- Special key stampings available, such as "DO NOT DUPLICATE" or "CITY OF PHOENIX"
- XC and Signature cylinders not available with visual plug stamping
- XC and Signature cylinders available with only concealed slide stamping (Item D, E and I)
- Signature LFIC 10-6300 available with cylinder slide stamping (Item E)

Note: SARGENT will stamp alternate identity codes on cylinders and/or keys whenever requested. This alternate stamping can not be different if both are to be stamped. Master Level Keys can also be stamped with a single alternate code



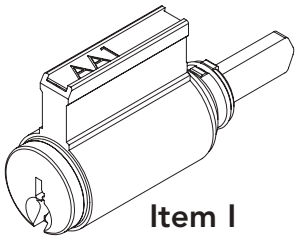
Item A

Change (Day) Key Stamping

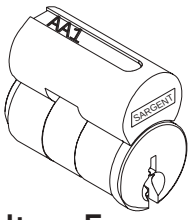


Item B

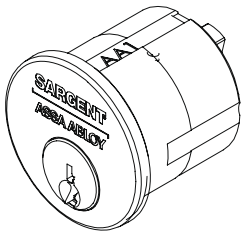
Master Level Key Stamping



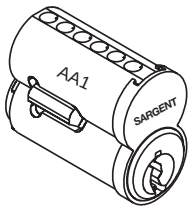
Item I



Item E



Item D



Item F

Tamper Proof Packaging

For the highest level of security for the end user, Tamper Proof Packaging is used on all Master Keys, Signature key blanks and all restricted key blanks. This heat sealed shrink wrap identified with "SARGENT Sealed For Your Security" provides assurance of the integrity of the factory generated key system.

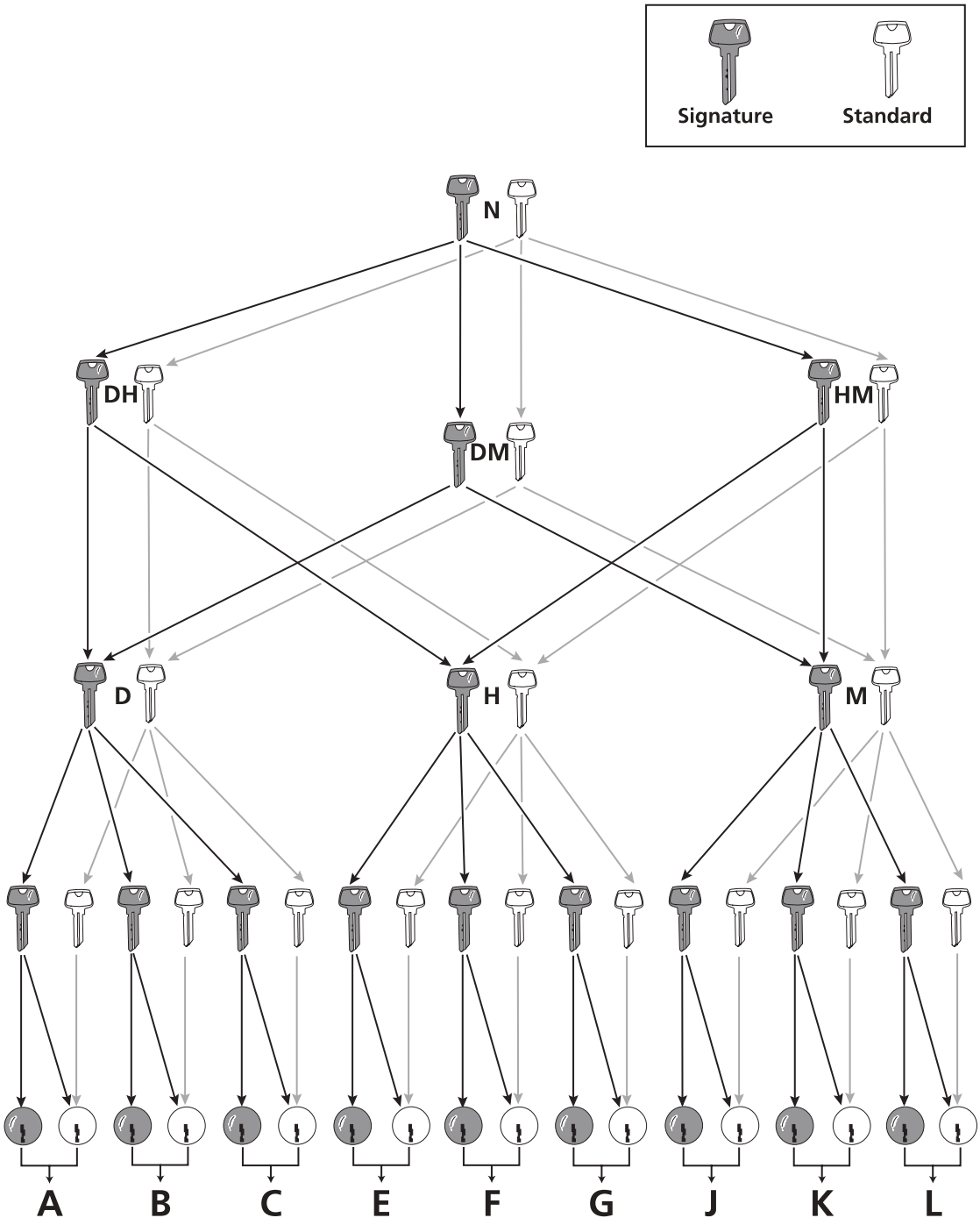
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Keyway Control

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Signature vs. Standard Keyway Control



SARGENT Signature keys are produced with a special feature that allows them to operate Signature cylinders as well non-Signature cylinders within the same keyway family. The standard key does not contain the special feature which allows it to operate a Signature cylinder but will continue to operate non-Signature cylinders.

Signature key system can be easily blended into most existing facilities using the existing keyways (contact key records), but with the additional feature that allows operation only with Signature Keys. This prevents unauthorized access with a minimum effort. Typically all exterior cylinders and selected interior cylinders are upgraded to Signature to immediately stop unauthorized access, while still allowing one master to operate both types of cylinders.

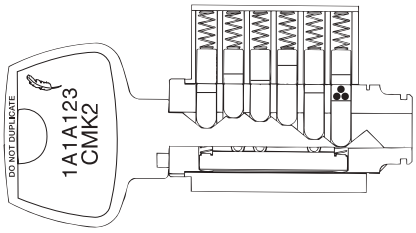
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Construction Master Keying (21- Option)

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With construction key in cylinder

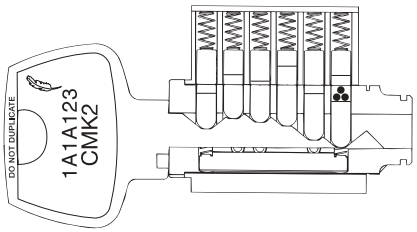


The SARGENT Signature Cylinder employs what is known in the industry as the "Lost Ball" method of Construction Master Keying. Use the 21- as the option when ordering this feature.

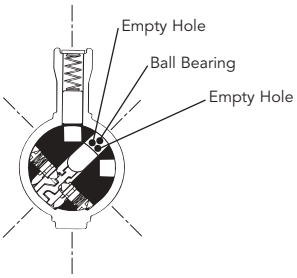
Note: Adding this feature to an existing SARGENT Master Key system may not be possible. Contact SARGENT key records department if this feature is required in an existing system

The SARGENT Signature Cylinder with "Lost Ball" method of Construction Master Keying is not offered with 10-63-. The 64- option is offered for construction keying when 10-6300 permanent cores are to be used.

With construction key in cylinder



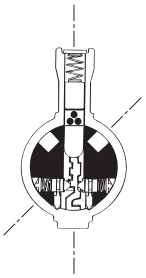
Construction key rotating cylinder plug



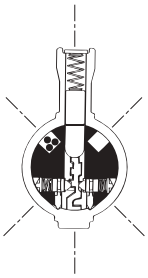
Example shows "Lost Ball" construction feature in last chamber of cylinder. Construction feature can be used in any chamber.

The ball bearings lie flat with one positioned behind the other. They are not stacked.

To void construction key using the day/change key



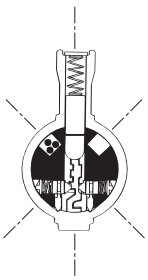
Change key inserted in cylinder.



Change key rotated to position for extraction. Construction key now voided from cylinder.



Change key rotating. Construction balls fall into hole in the side of plug.



Construction key inserted after balls are trapped. Driver now extends into plug chamber. Construction key will not rotate.

Note: Ball bearings shown are for illustration purposes only. They do not stack, they align next to each other and lay flat.

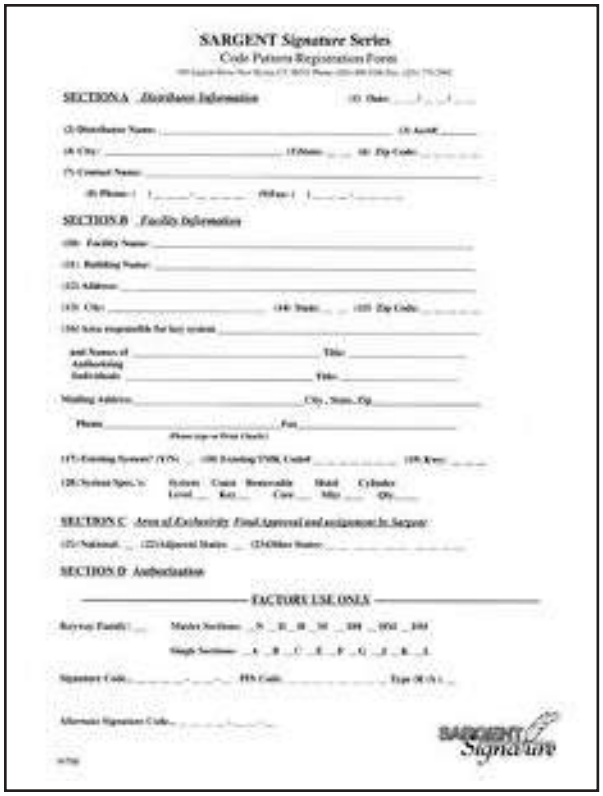
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Registration Forms

Signature® Series

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Signature Code Pattern Registration Form



SARGENT Signature Series
Code Pattern Registration Form

SECTION A Distributor Information

SECTION B Facility Information

SECTION C Area of Exclusivity Final Approval and assignment by Sargent

SECTION D Authorization

FACTORY USE ONLY

The Signature Code Registration Form must be submitted prior to any purchase orders for products. This for is available from your authorized SARGENT distributor or SARGENT key records dept. @ 1-800-727-5477.

The information on this form is used by computer software to select the unique Signature code pattern for each key system and monitor the selection process to insure code patterns are not duplicated within the pre-defined area of exclusivity.

Cover Sheet for all Keyed Orders



SARGENT KEYING ORDER INFORMATION SHEETS

SARGENT has created a new order lead sheet. This form must accompany any purchase order containing product for the Signature cylinders and keys.

SARGENT recommends that the form accompany any purchase order for master keyed systems.

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How to Order/Special Features

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How to Order

In order to obtain a unique SARGENT Signature pattern, a pre-authorization form must be sent to SARGENT's Key Records department in New Haven, CT. SARGENT will reserve a specific Signature pattern for the particular end user.

All purchase orders received by SARGENT for Signature products must be accompanied by a letter of authorization from the end user, including his registered Signature pattern and 8 digit pin code.

10- option has been created to assist in identifying when a SARGENT product include the Signature cylinder feature.

When ordering, use 10- as the option to indicate that the product requires the Signature feature (e.g.,10-8226 LNL x 32D, 10-10G05 LL x 32D, etc.)

If other options are being used, be sure that the Signature option appears first (e.g., 10-63-10G05, 10-21-8226 x 32D, etc.)

Special Features: VKC and Cut Key Options

Visual Key Control

Visual Key Control will incorporate the standard industry key symbol identification. The Visual Key Control feature will appear on the key blank only. Stamping on the face of the barrel is not possible due to space limitations and security reasons. Concealed stamping of the key set on the slide is available as an option. All keys will have the Signature facility code with the Signature Quill logo.

Special Key Blank Stamping

The Signature Key Blank is offered in two versions to accommodate a variety of key bow stamping options.

Version one: The key blank has the standard SARGENT logo embossed on one side. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern, keyway and space for one additional line of stamping such as key set.

Version two: The key is less SARGENT logo. This allows for additional space for optional stamping such as custom field stamping. The other side has the Signature Quill Logo, Do Not Duplicate, specific Signature code pattern key way and one additional line for stamping such as key set.
Key set symbols or alternate symbols will be stamped on all master keyed orders.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90105 07/21

Product Catalog

SARGENT
ASSA ABLOY

Keso F1

High Security Cylinders



Experience a safer
and more open world

90107 0

Specification

Keso F1 High Security Cylinders

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SARGENT Keso F1- Security System

The Proprietary Key System

The system offers the building owner full control over duplication of keys, highly pick-resistant cylinders, expanded levels of masterkeying and many more safe day key changes. The SARGENT Keso F1 Security System is available for all SARGENT mortise locks, key-in-knob 8 Line, 9 Line, key-in lever 10 Line, 11 Line, 80 Series and 90 Series exit devices. Removable core and construction core cylinders are included in the system as well. Non-removable core mortise and rim cylinders are available in a UL437 version.

Patent pending and/or patent www.assaabloydss.com/patents



SARGENT will continue to offer and support the original Keso cylinder and keys, but we encourage users to easily upgrade their systems by integrating Keso F1 into their system. The Keso F1 is an enhanced and patented version of the original Keso. All SARGENT products offered with the Keso F1 are still available with the original Keso cylinders and keys. To order the original Keso, simply leave off the F1- prefix, as specified in this catalog.

Special Note: The Keso F1 keys will operate Keso F1 cylinders and existing Keso cylinders, but existing Keso keys will NOT operate F1 cylinders.

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On The Cover

- Keso F1 4271 in 32D UL listed mortise cylinder

Features, Benefits and Applications

Keso F1 High Security Cylinders

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Features and Benefits

The SARGENT Keso F1 Security System offers the building owner full control over field duplication of keys, highly pick-resistant cylinders, expanded levels of master keying and a proprietary patented key system. With the Keso F1 cylinder, it is impossible to determine the configuration of the key system or its upper level master keys by examining the pinning configuration, providing the highest level of key system security available on the market today!

The Keso F1 cylinders incorporate the same unique 12 pins as in the time-proven Keso product line along with advanced patented features. These features are compatible with existing Keso key systems. Existing Keso users can integrate F1 products into their systems in order to regain control of master keying quickly and effectively.

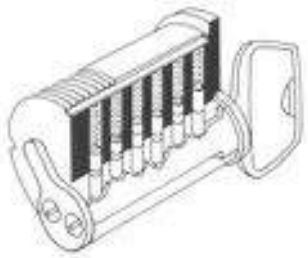
F1 keys will operate existing Keso cylinders, but existing Keso keys will not operate Keso F1 cylinders.

The Keso F1 cylinder has 12 pins located in 3 rows on 3 intersecting axes, making it virtually impossible to gain access through manipulation. The position of the pin holes and the length of the pins in each row vary. While maintaining the 3 banks of pins, the Keso F1 product adds an additional dimpling dimension to the key blank offering a greater range of both change and master key combinations. This greatly expands master keying capabilities to both new and existing end users.

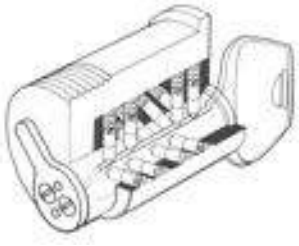
The F1 key is symmetrical and reversible. The dimpled key requires sophisticated key-cutting equipment. The unique 6-sided F1 key is not warded or cut away and therefore much stronger than a conventional key. This makes it an ideal choice for highly abusive applications. Each keying system has its own unique combination of key pin lengths and positions. There is never a chance of one keying system duplicating another.

Keso F1 UL437 versions provide a maximum level of pick and drill resistance. Perfect for any high abuse application that requires strict key control and resistance to vandalism. UL437 versions are available for mortise and rim cylinders.

Conventional Cylinder



Keso F1 Cylinder



Strength & Durability

- Cylinder has 12 pins unlike most cylinders with only 6 pins
- Unique 6-sided dimpled key is much stronger than warded keys
- Precise manufacturing and the absence of splits makes the cylinder highly pick-resistant

Convenience

- Compatible with existing non-patented Keso key systems
- UL 437 version available for mortise and rim cylinders
- Key is symmetrical and reversible
- Removable core versions available
- Temporary Construction core available

Flexibility

- Up to 7 levels of master keying available
- 100,000 different key pin patterns available within any one installation
- Keso F1 cylinders can be retrofitted to original Keso cylinders
- Keso F1 key will operate existing old style Keso cylinders

Security

- Patented protection for both key and cylinder
- F1 keys can not be legally duplicated
- Owners' authorization required for any F1 keys/locks
- Pick resistance
- Impossible to determine configuration key system by examining pinning configuration
- Every key stamped with the key system registration # and with key #
- Keysets also optionally available to be stamped on keys

Applications

- Government Buildings
- Police Stations
- Hospitals
- Schools
- Colleges
- Detention Centers
- Psychiatric Wards
- Any high abuse application that requires strict key control and resistance to vandalism

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Mortise Type Cylinders

Keso F1 High Security Cylinders

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Mortise Type Cylinders

F1-70 Series Mortise Type Cylinders



Brass, bronze and stainless steel
Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

Furnished standard with No. 97 cylinder rosette when ordered less hardware

Hotel or 50 function: Mortise locks require a 50 Function cylinder and a 50 Function cam (115 Cam). The cylinders for the hotel/50 function mortise locks are specified with a 115 cam suffix

Optional short cams (105 cam) are required for the inside cylinder of 16 and 92 function Mortise locks and are specified with a 105 cam suffix

When no cam is specified, the SARGENT standard offset cam (p/n 13-2563) will be supplied. (See page 10 for cam options)

- To order with hardware, specify F1-82-
- Example: F1-82-8243 x LNL 32D

Note: Use a 50 function to designate a mortise lock hotel function

F1-170 Series Removable Core Mortise Type Cylinders



Brass, bronze and stainless steel
Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

Core supplied in either 4 or 26D finish. Furnished standard with No. 97 cylinder rosette when ordered less hardware

A different, shorter #105 cam (p/n 13-2522) is required for the inside cylinder of 16 and 92 function Mortise locks. Inside cylinders, when ordered without hardware, for 78/8216 & 92 functions are to be specified with the 105 Suffix

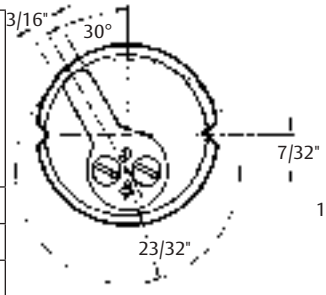
Removable core cylinders are not available for hotel function Mortise locks (50 Function). When no cam is specified, the SARGENT offset cam (p/n 13-2563) will be supplied

The cam is directly attached to the core. Only SARGENT standard offset cams (13-2563), 78/8216 function inside 105 cam (13-2522) and ADAMS RITE 101 cam (13-2521) are available on the removable core series

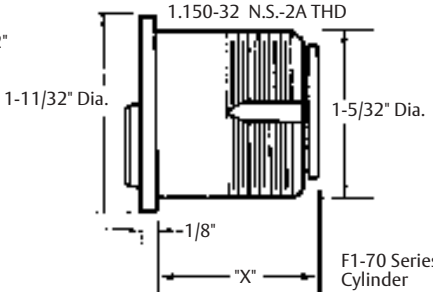
- To order with hardware, specify F1-83-
- Example: F1-83-8205 x LNJ 32D

How to Order Keso F1 Mortise Cylinders

Mortise Cylinder Lengths	Keso F1 Mortise Cylinder with a Standard Cam	50 Function Keso F1 Cylinders with a Hotel Cam (70-115 Cam)	Keso F1 I/S Cylinder for 78/8216 & 92 Functions with a 105 Cam
1-1/8"	F1-82-71	N/A	F1-82-71-105
1-1/4"	F1-82-72	F1-82-72-115	F1-82-72-105
1-3/8"	F1-82-73	F1-82-73-115	F1-82-73-105
1-1/2"	F1-82-74	N/A	F1-82-74-105
1-3/4"	F1-82-76	N/A	F1-82-76-105



Standard cam
13-2563 cam shown



How to Order Keso F1 Removable Core Mortise Cylinders and Cores

Mortise Cylinder Lengths "X"	F1-83-Keso Removable Core Mortise Cylinders with a Standard Cam	F1-83-Keso Removable Core with Standard Cam (Core Only)	F1-83-Keso Removable Core Mortise Cylinders for 78/8216 & 92 Mortise Functions (Inside) with a 105 Cam	F1-83-Keso Removable Core with a 105 Cam, for 78/8216 & 92 (inside) Mortise Function (Core Only)	84-Keso Removable Construction Core Mortise Cylinders with Standard Cam	84-Keso Removable Construction Core Mortise Cylinder with a 105 Cam, for 78/8216 & 92 (inside) Mortise Function	Mortise Housing Less Core	Mortise Construction Core Only
1-1/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-1/4"	F1-83-172	F1-5172	F1-83-172-105	F1-5172-105	84-172	84-172-105	072	5472
1-3/8"	F1-83-173	F1-5173	F1-83-173-105	F1-5173-105	84-173	84-173-105	073	5473
1-1/2"	F1-83-174	F1-5174	F1-83-174-105	F1-5174-105	84-174	84-174-105	074	5474
1-3/4"	F1-83-176	F1-5176	F1-83-176-105	F1-5176-105	84-176	84-176-105	076	5476

Note: A Keso F1- Removable Core is determined by the Keso F1- Core, not the housing. Therefore, the 84- is a non F1- product. The housings for Keso F1- 83- and 84- are the same housings

Note: 84-Removable Construction Core Cylinders are for temporary use and are NOT available in Keso F1. Once construction is completed the Keso F1-83- Removable Cores will be installed (78/8216 & 92 Functions require the 105 Suffix)

Note: Keso F1 Removable Core Cylinders are not available for 50 Function Hotel Locks

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Rim Type Cylinders

Keso F1 High Security Cylinders

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Rim Type Cylinders

F1-82-64 Series Rim Type Cylinders



Brass, bronze and stainless steel
Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

For use with SARGENT Exit Devices.

When ordered separately, cylinders will be furnished with "Break-off" screws, back plate, and No. 97 cylinder rosette

- To order with hardware, specify F1-82-
- Example: F1-82-8804 x ETL 32D

F1-83-164 Series Rim Type Removable Core Cylinders



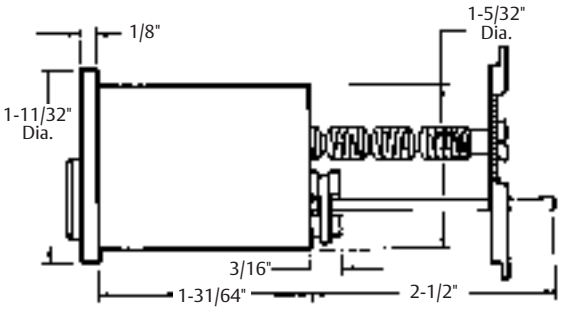
Brass, bronze and stainless steel
Finishes: 3, 4, 9, 10, 10B, 10BE, 32, 32D

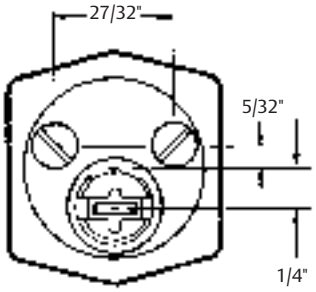
For use with SARGENT Exit Devices. Use 84- Prefix when construction keying is needed

When ordered separately, cylinders will be furnished with "Break-off" screws, back plate, and No. 97 cylinder rosette

- To order with hardware, specify F1-83-
- Example: F1-83-8804 x ETL 32D

Note: The rim cylinder less core would be ordered as 064 x finish. Collars, rosettes, back plates p/n 13-0086 and screws p/n 13-0074 are to be ordered separately





How to Order Keso F1 Rim Cylinders Separately

Door Thickness without Trim	F1-82 Keso Rim Type Cylinder	F1-83-Keso Rim Type Removable Core Cylinders	F1-83-Keso Rim Type Removable Cores Only	84-Keso Rim Type Removable Construction Core Cylinders	Keso Rim Cylinder less core (screws and back plates to be ordered separately)
1-3/4" to 3-1/8"	F1-82-64	F1-83-164	F1-5164	5464	064

Note: A Keso F1- Removable Core is determined by the Keso F1- Core, not the housing. Therefore the 84- is a non F1- Product. The Housings for Keso F1- 83- and 84- are the same housings.
Note: 84-Removable Construction Core Cylinders are for temporary use and are NOT available in Keso F1. Once construction is completed the "permanent" Keso F1-83- Removable Cores can be installed.

F1-83-Keso Removable core rim housings are available less core.
Order as p/n 064 x finish
Mounting screws p/n 13-0074 and back plate p/n 13-0086 are to be ordered separately if needed.

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Key-In-Knob/Lever Cylinders

Keso F1 High Security Cylinders

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Key-In-Knob/Lever Cylinders



Many designs and functions in the 8, 9, 10 and T-Zone (11 Line) can be furnished with SARGENT Keso F1.

Note:

1) 8 Line and 9 Line installations with conventional key-in-knob cylinders can be changed to SARGENT Keso F1 Security System by replacing the complete cylinder knob assembly
2) Locksets with levers with conventional cylinders can not be upgraded to Keso F1- or Standard Keso cylinders
3) Present Keso Systems can be upgraded to the Keso F1- System

For information regarding available designs, functions and finishes, refer to the particular Bored Lock Catalog for the product in question.

F1- 8 & 9 line Cylinders Only for Key-In-Knob Locks



F1-82-C8-1

Key-In-Lever 10 Line and T-Zone (11 Line)

F1-82- Prefix



Keso F1 Cylinder
F1-82-10-1



8 & 9 Line Cylindrical Key-In-Knob Removable Cylinders



F1-83-C8-1 shown

How to Order Keso F1 Cylinders for 7, 10 & 11 Line Locks

Keso F1	Keso F1
All 7 & 10 Line Functions Cylinder Only: F1-82-C10-1 With Lock: F1-82-10G37 x GL x 26D x LH	**All 11 Line Functions Except for the 50** Cylinder Only: F1-82-C11-1 With Lock: F1-82-11G05 x LL x 26D x RH

Note: Keso F1 Cylinders for hotel (50) functions are not available 10 and 11 line locks
Note: 7 Line Locks are not available with Hotel (50) function
Note: Removable Core Cylinders are NOT available for 7, 10 or 11 Line locks
Note: SARGENT Keso F1 Systems are available with L, P and B Levers

How to Order Keso F1 Cylinders for 8 & 9 Line Locks

F1-82-Keso Cylinder for all 8 & 9 Line Functions Except for the 50 Function	F1-82-Keso Cylinder for all 8 & 9 Line 50 Functions Locks Only	F1-83-Keso Removable Cylinder for 8 & 9 Line all functions Except for the 50 Function	84-Keso Cylinder for all 8 & 9 Line Functions Except for the 50 Function
Cylinder Only: F1-82-C8-1 With Lock: F1-82-8G04 x OB x 26D	Cylinder Only: F1-82-C8-2 With Lock: F1-82-8G50 x OB x 26D	Cylinder Only: F1-83-C8-1 With Lock: F1-83-8G04 x OB x 26D	Cylinder Only: 84-C8-1 With Lock: 84-8G04 x OB x 26D

Note: 84-Removable Construction Cylinders are for temporary use and are NOT available with F1 Keso feature as once construction is completed the Keso F1-83- Cylinders will be installed

Note: 50 Function/Hotel is not available with removable core

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Removable Cores / Construction Keying and General Information

Keso F1 High Security Cylinders

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Keso F1-83- Removable Core and Keso 84- Removable Construction Core Cylinders

The SARGENT Keso 84- security removable construction core system protects the security of an owner's masterkey system during the time of building construction. It is in use throughout the construction period in lieu of the permanent masterkeyed cores. This prevents the permanent system keys from becoming available to unauthorized people. Upon completion of the building, the temporary construction cores and all keys (day and control) for the construction core system become inoperative.

Removable construction core cylinders are available for SARGENT mortise locks, 8 and 9 Line (except for 50 function) and exit devices with mortise and rim cylinder only.

SARGENT Keso 84- temporary removable construction cores are designated by:

- Brown oxidized finish on cylinder sleeves
- Cylinder barrels with 1/8" diameter hole drill point in upper right hand area of barrel head
- All keys are stamped "CONST"
- All removable construction cores will be keyed alike in one KA set and furnished with 6 keys and 1 control key. These are packed separately and shipped to distributor for delivery to general contractors. Additional keys supplied upon request

When the construction core system is to be used, the order must be entered with an individual item number for each key lock. Where room or opening numbers are shown on the plans, this information should also appear with each lockset. Each removable construction core system will be supplied with a total of 6 day keys and 1 control key, unless specified otherwise.

All key locks ordered will be shipped with temporary removable construction cores. To order, prefix the lock number with 84 (Example: 84-8205). A separate order for permanent cores, with all necessary keying information and item numbers for identification purposes, should accompany the lockset order. Upon proper authorization, the permanent cores will be shipped directly to the distributor and not to the job site.

For ordering permanent cores, refer to pages 4, 5 and 6. It will be the distributor's responsibility to:

- Deliver all permanent cores to the job site
- Remove all temporary construction cores and insert permanent cores
- Inspect each lockset to ensure that all permanent cores are operating satisfactorily
- Deliver to building owner all day, master and control keys for the permanent system
- Return all temporary construction cores to SARGENT in New Haven on a regular return goods authorization

All locksets ordered with removable construction core cylinders will be invoiced at the regular price established for prefix 83. A separate invoice will be issued to cover the permanent cores at prices listed for removable cores. Upon return of temporary removable construction cores to SARGENT, a credit will be issued covering the quantity of cores returned at the prices listed for construction cores.

84- Removable Construction Core Cylinders

To order cylinders only (housing & core), specify as follows:

Mortise – Add prefix 84- to removable core cylinder number **(Example: 84-172)** Not available for 50 function (See Chart on Page 4).

Rim Type – Add prefix 84- to removable core cylinder number **(Example: 84-164)** (See Chart on Page 5).

Removable Cores Only, Mortise and Rim Type

To order, see charts on Pages 4 and 5.

Removable Construction Cylinders

To order cylinders only:

8 Line, 9 Line – Specify as **84-C8-1** (all functions except 50) (See Chart on Page 6).

To order permanent removable cylinders for 8 Line, 9 Line - Specify as **F1-83-C8-1** (See Chart on Page 6).

General Information

INTERCHANGEABILITY

Mortise and rim type SARGENT Keso F1 Security System cylinders are interchangeable with conventional SARGENT cylinders currently in use. SARGENT Keso F1 Security System cylinders for key-in-knob 8 and 9 Line can be substituted for conventional cylinders in use by changing the cylinder knob assembly. When ordering replacement cylinder knob assemblies for 8 and 9 Line, consult current catalog offering and specify function, trim and finish.

REMOVABLE CORE CYLINDER FOR HOTEL FUNCTIONS

Removable core cylinders are not available for hotel function in any lock line.

CONTROL KEYS FOR REMOVABLE CORE SYSTEMS

It is recommended that a removable core system utilize the minimum number of locks possible under any single control key. The most secure condition would be for one control key to operate one lock. A control key allows access to the cylinders to which it is keyed and should be safeguarded in the same manner as a masterkey.

All orders for removable core systems must clearly state the keying level at which the control key will operate.

MASTERKEY SHIPMENTS

Masterkeys specified in the original order are shipped to the SARGENT distributor for delivery to the building owner. Upon delivery, the building owner will be required to sign the Masterkey Receipt Card (Form G831). The completed card must bear an authorized signature, as it appears on the Signature Authorization Card (Form G825), and then must be returned to SARGENT Manufacturing Company by the distributor.

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Padlocks and Utility Locks

Keso F1 High Security Cylinders

SARGENT
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How to Order:

Padlock No. F1-82-856 and F1-82-857

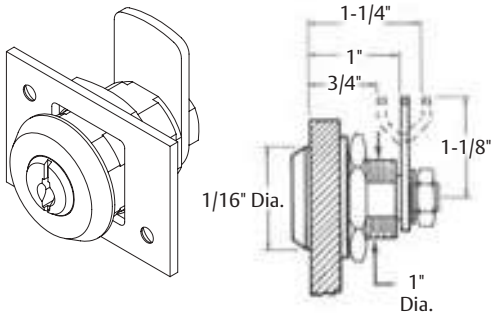


- 856 - Non key retaining. Key can be removed while unlocked and relocked without key.
- 857 - Key retaining. Key removable in locked position only.
- Same security as offered in other Keso Security System locks. Can be masterkeyed with all locks in the system
- Positive deadlocking construction – none of the springs can be forced
- Two stainless steel balls lock shackle. Forcing of shackle increases locking action
- Available with standard stainless steel or optional hardened steel shackle
- Brass case
- Weather Shield Kit included (standard)

SPECIFICATIONS
Removable core not available

Padlock Number	Description
F1-82-856	Stainless steel shackle
F1-82-856C	Stainless steel shackle and 9" chain
F1-82-856HS	Nickel plated hardened steel shackle
F1-82-856HSC	Nickel plated hardened steel shackle and 9" chain
F1-82-857	Key removable in locked position only
Body	Solid brass, resists corrosion satin brass finish
Case Dimensions	2"x2"x1-1/8"
Shackle	Stainless standard or optional hardened steel, nickel plated
Shackle Diameter	11/32"
Shackle Clearance	1" standard; 2-1/2" and 4" clearance available
Chain	9"

Utility Lock No. F1-4152



Finishes: 3, 4, 10, 26, 26D

For Drawers: Up to 3/4" thick

Cylinder: Keso F1 Security System.
Can be masterkeyed with all other Keso locks in the system

Reversible: Right or left hand

Cam: Steel, flat (order as F1-4152)
or 1/4" offset (order as F1-4152-2)

Mounting Plate: Furnished with screws for mounting to wood or metal drawers. Can be brazed to metal doors

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UL437 Keso F1 Security System Cylinders

Keso F1 High Security Cylinders

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How to Order:

UL437 Listed Keso F1 Security System Cylinders

UL437 Listed cylinders have the same basic construction as standard SARGENT Keso F1- Security System cylinders with additional pick and drill resistant features.

UL437 Listed Cylinders are ordered separate from hardware.

These UL437 Listed cylinders contain additional hardened steel pins that may not be compatible with existing key systems. Consult SARGENT Key Records Department for compatibility. Generally, U.L. Listed cylinders can be keyed into the total system if the requirement is known at the time the system is established.

U.L. performance tests are specified in standards for safety – Key locks (U.L. 437, First Edition, Underwriters Laboratories, Inc., Chicago, Illinois) as follows:

"The lock cylinder shall resist for at least ten minutes any of the following or other tests suggested by study of the design. Recognized lock experts may be called in to assist in these tests."

"The cylinder shall resist aligning the tumblers and opening the lock by means of picking tools."

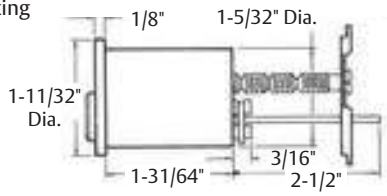
"The cylinder shall resist drilling the plug or body of the cylinder, releasing the tumblers, and opening the lock."

"The cylinder shall resist opening the lock by forcing a small cold chisel or screw driver into the key slot and applying rotary force with a pair of pliers or a wrench."

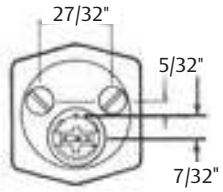
F1-4264 Rim Cylinder

Listed in Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)
Finishes: 10, 26, 26D





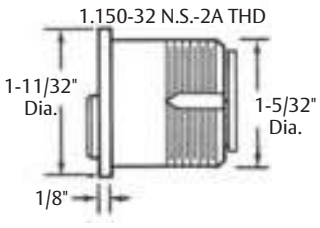
No. F1-4264 are furnished with "Break-off" screws, back plate and No. 97 cylinder ring. Break-off screws are located above horizontal centerline, same as standard No. 64 cylinder. For use with SARGENT exit devices.



F1-4270 Series Mortise Lock

Listed in the Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)
Finishes: 10, 26, 26D





Nos. F1-4271, F1-4272, F1-4273, F1-4274, F1-4276
Diameter of cylinder under cylinder head: 1-5/32"

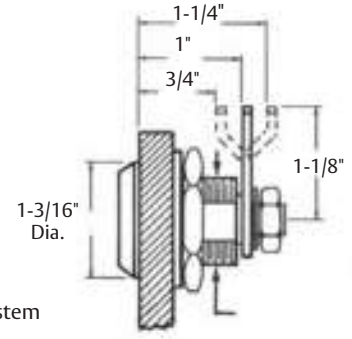
How to Order F1-4270 Series Mortise Cylinders

Mortise Cylinder Lengths	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"
Series F1-4270 Cylinder	F1-4271	F1-4272	F1-4273	F1-4274	F1-4276

F1-4252 Utility Lock

Listed in Underwriters Laboratories, Inc. Burglary Protection Equipment List under locking cylinders (241 012)
Finishes: 10, 26, 26D





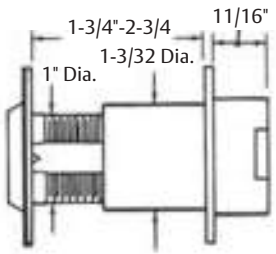
For Doors: Up to 3/4" thick
Cylinder: Keso F1 Security System
Reversible: Right or left hand
Cam: Steel, flat (order as F1-4252) or 1/4" offset (order as F1-4252-2)
Mounting Plate: Furnished with screws for mounting to wood or metal doors. Can be brazed to metal doors.

F1-4253 Switch Lock

Keso F1 Security System cylinder operates a single pole, double throw U.L. Listed in the Underwriters Laboratories, Inc. Burglary Protection Equipment List under connectors and switches (25L30)

Finishes: 26





Electrical Switch (U.L. Listed) – Max. rating:
250 vac – 5 amp.
30vdc – 3 amp.



Operation: Turn key 90° right or left (until stop is reached). Return key to vertical position and remove. Key is removable in vertical position only.

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Cams for Keso F1 and Keso Security Cylinders

Keso F1 High Security Cylinders

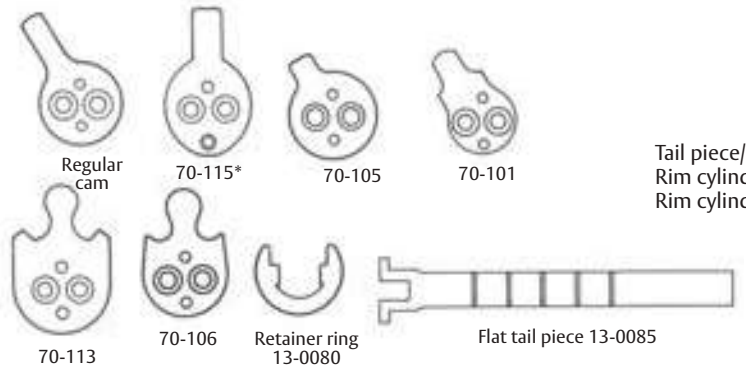
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Cams for Keso F1 and Keso Security Cylinders

Listed below are the cams available for Keso F1 and Keso Security System cylinders. There are four special cams for cylinders used with other manufacturers' locks. Since there may be several cam variations within one manufacturer's lock line, a thorough check of all lock functions should be made whenever Keso F1 and Keso Security System cylinders are being considered for use in other manufacturers' locks.

Cam description	Application	Order # For Complete Cyl. Assembly With Cam	Cam Part # When Ordered Separately
Regular Cam (Std)	F1-82-71 thru F1-82-76, F1-83-172 thru F1-83-176 71 thru 76 and 172 thru 176	F1-82-71 thru F1-82-76, F1-83-172 thru F1-83-176 82-71 thru 82-76 and 83-172 thru 83-176	Std (No Suffix) (13-2563)
Vertical Hotel Cam (Cam Suffix -115)	F1-82-(72-115, 73-115) Note these cylinders have limited key rotation and are only for use in Sargent 78/8250 locks	F1-82-72-115, F1-82-73-115, 82-72-115 & 82-73-115 for only in 78/8250 functions	13-2283 (115 Cam*)
Short Offset Cam (Cam Suffix -105)	Inside cylinder cam for Mortise Functions 16 and 92	F1-82-71-105 thru F1-82-76-105 & F1-83-172-105 (Cam Suffix -105) thru F1-83-176-105, 82-71- thru 82-76-105 & 83-172-105 thru 83-176-105	13-2522 (105 Cam)
70-101 and 170-101 Offset Cams	Adams Rite MS1850 series locks only. Packed standard with #90-1/8" blocking ring	F1-71-101 thru F1-76-101, F1-172-101 thru F1-176-101	13-2521 (101 Cam)
70-113 Vertical Cam (Cam Suffix -113)	Cam used with 4370 Series Key switches	F1-82-71-113 82-71-113	13-2519 (113 Cam)
70-106 Cam (Cam Suffix -106)	70 Series mortise cylinders for Schlage "L" mortise lock	F1-82-71-106 thru F1-82-76-106 71-106 thru 76-106	13-0939 (106 Cam)

Keso F1 and Keso cylinder cams can only be used with Keso cylinders.
These cams cannot be used with conventional SARGENT mortise cylinders.
170 Series removable core cylinders are only available for use in SARGENT hardware, except the Adams rite locks listed above.
The following cams can only be used in removable core: -105, -101, -104 and the regular cam 13-2563.
* The 115 cam is unique and only fits the limited rotation hotel function cylinder



Tail piece/plug retainer 13-0880 not shown
Rim cylinder back plate p/n 13-0086 not shown
Rim cylinder screws 13-0085 not shown

Ordering Forms

Orders for the SARGENT Keso F1 Security System are handled on a special priority basis and are closely controlled, not only to expedite shipments, but to protect the security of each installation. These forms are utilized in the ordering procedure:

Signature Authorization Card, Form No. G825
Form G825 is the control card for ordering the SARGENT Keso F1 and Keso Security System. It is to be completed and signed in duplicate. The SARGENT distributor will keep one copy and the second copy will accompany the initial order for the system. When received in New Haven, CT., it will be kept in a locked file for subsequent authenticating purposes. Only those orders bearing one or more of the signatures on this card will be honored.

Authorization For SARGENT Keso F1 Security System, Form No. G826
This form is to be used by the building owner, or his agent, in ordering the SARGENT Keso F1 Security System for additions to an existing system. It is to be completed by the owner or agent and forwarded to the authorized SARGENT Distributor. Completed forms must bear an authorized signature.

SARGENT Keso F1 and Keso Security System Key order, Form No. G827
The key order form is used for ordering additional or duplicate keys for a system. The form is completed by the building owner, or his agent, and an authorized signature must appear on it. The form is forwarded by the building owner to the authorized SARGENT Distributor.

All forms are available only through authorized SARGENT Distributors.

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Field Maintenance, Keso F1 and Keso Service Center and Shipping Schedules

Keso F1 High Security Cylinders

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Field Maintenance of KESO F1 and Keso Security System Cylinders

Proper maintenance of lock cylinders will insure longer life for the SARGENT Keso F1 and Keso Security System and will eliminate potential cylinder malfunctions. Preventive maintenance, performed on a continuing basis, is simple to do and requires no technical knowledge. It is accomplished with a dry film lubricant in the cylinder chamber through the keyway opening. It is not necessary to remove either the lock or cylinder from the door, the keyway is directly exposed in all cases.

While all cylinders should be lubricated once a year, cylinders with a high usage frequency should be lubricated every sixty days. Exterior cylinders which are exposed to dust, dirt and extreme weather conditions should be serviced with dry film lubricant every sixty days.

The proper lubricant is important. It is our recommendation that only a dry film lubricant is used. The use of oil, grease or similar substances should not be used in lock cylinders.

KESO F1 and Keso Security System Service Center

A service center has been established in the factory to process orders in the following three categories:

1. Repair or replace inoperative Keso F1 and Keso Security System cylinders and keys.
2. Supply additional keys for existing key systems.
3. Furnish new cylinders for existing key systems. This service is limited to quantities of twelve cylinders or less.

Service Center Delivery Responsibility

Orders for repair of cylinder in quantities of twelve or less will be shipped within three working days after receipt of order. A delivery date will be available from the factory for cylinders in quantities greater than twelve.

Distributor Responsibility

1. Orders for repair and replacement of inoperative cylinders should be mailed to Sargent Manufacturing Company, 100 SARGENT Drive, New Haven, CT 06511. A day key should accompany any cylinder returned for repair to insure proper diagnosis. A statement regarding the malfunction should also be included. The service center has been established to service owners of KESO Security Systems through authorized distributors only and not on a direct basis with building owners.
2. Key orders should be mailed to Sargent Manufacturing Company. Authorization Form G827 bearing an authorized signature must accompany all orders for additional cylinders.
3. Orders for twelve cylinders or less keyed to an existing system should be mailed to Sargent Manufacturing Company. Authorization Form G826 bearing an authorized signature must accompany all orders for additional cylinders.

Information required to insure prompt and efficient handling of your service orders:

1. Job name
2. Original SARGENT order numbers
3. Key number
4. Registry number (last four digits on key)

Shipping Schedules

For existing installations

Orders for additional keys for existing systems will be filled within 48 hours after receipt of order in quantities of twenty-five keys or less. Orders for more than twenty-five keys will require an additional 24 hours for each increment of fifty keys or less **(Example: 150 keys would require five working days).** Orders for additional new cylinders for existing key systems in quantities of twelve or less will be shipped within fifteen working days after receipt of order.

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How to Order

Keso F1 High Security Cylinders

SARGENT
ASSA ABLOY

Complete Locksets (Mortise, Rim Type and Key-in Knob Cylinders)

How to Order Keso F1 Cylinders for SARGENT Mortise Locks, Exit Devices and Bored

	Keso F1 Cylinders	Keso F1 Removable Core Cylinders	Keso F1 Removable Construction Core Cylinders
How to Order	F1-82-	F1-83-	84-
Example: 8205 LNL 26	F1-82-8205 LNL 26	F183-8205 LNL 26	84-8205 LNL 26
Example 8813xETL 10B LHRB	F1-82-8813xETL 10B LHRB	F1-83-8813xETL 10B LHRB	84-8813xETL 10B LHRB

Note: All Keso F1 products listed are offered with both the F1- Option and the Non F1- Option. To order the non F1- Option, simply leave off the F1- Prefix when ordering
Note: SARGENT will supply the correct cylinders based on function, door thickness and prefix requested
Note: When ordering cores or cylinders, specify keying requirements

Keys

F1 master keys order by catalog # F1 K372 MK
F1 Day keys order by catalog # F1 K372 CHK
F1 Control key or Emergency key for all locks except 8G50 order by catalog # F1 K372 CTL
F1 Mortise emergency key order by catalog # F1 K373 EMK
F1 8G50 emergency key order by catalog # F1 K374 EMK

Key Blanks

F1 Master and change key blanks order by catalog # F1-K376
F1 Control key blanks order by catalog # F1-K-375

Correct ordering number will consist of:

Complete Locksets: Lockset number with prefix, design, hand and finish. **Example: F1-82-8245 LNL LH 3**
Cylinders Only: Cylinder number, suffix (if any), and finish. **Example: F1-71-115 x 3**
Removable Cores Only: Core number, prefix or suffix (if any), and finish. **Example: F1-5172-105 x 3**
Padlocks: Padlock number, shackle clearance (if other than standard) and finish (if other than standard). **Example: F1-82-856 2-1/2" 26D**
Utility Locks: Lock number and finish. **Example: F1-4152 3**

Prefix Designations

82-	Keso Security Cylinder
F1-82-	Keso Security Cylinder with Front Profile
83-	Keso Security Removable Core Cylinders
F1-83-	Keso Security Removable Core Cylinders with Front Profile
84-	Keso Security Removable Construction Core Cylinder (temporary use only)

Suggested Architect's Specification

2.0 KEYING – Keso F1 SERIES

A. Cylinders and keys shall be SARGENT Keso F1 Series by SARGENT Manufacturing Company, New Haven, CT.
B. Each cylinder shall contain at least twelve key pins.
C. Cylinders shall not contain splits or master key pins.
D. Each keying system shall offer at least seven levels of master keying, and regardless of the level of master keying, there must be a minimum of 100,000 unduplicated, safe and usable key combinations available.
E. Provide high security removable core cylinders, with patented key control, for each lock with temporary construction cores. Permanent cores shall be installed upon completion of the project.
F. Cylinders shall meet the requirements of UL437.
G. Master key or Grand master key cylinders and key in groups, unless otherwise specified. Factory master key with manufacturer retaining permanent keying records.
H. Provide 6 master keys for each master key set. Provide 3 change keys for each lock. Provide 2 control keys for core removal. Stamp keys PATENTED.
I. Provide key list, in electronic format, for import directly into KeyWizard key control software.
J. Submit proposed keying schedule to Architect. If requested, meet with Owner and Architect to review schedule.

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

11 Line
Bored Lock



Experience a safer
and more open world

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11 Line Bored Lock

SARGENT
ASSA ABLOY

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Specifications

For Doors	1-3/4" to 2" (44mm to 51mm) thick doors standard Specify 31- option for doors 2-1/4" to 2-1/2" (57mm x 64mm) centered in door prep, no paneling. Consult factory for other door thicknesses available by special application. Not available for 1-3/8" (35mm) thick doors
Backsets	2-3/4" (70mm) standard 3-3/4" (95mm) backset available (23- option) 5" (127mm) backset available (25- option)
Bearing Assembly	Cast and machined stainless steel
Front	Wrought brass, bronze or stainless steel 2-1/4" x 1-1/8" (57mm x 29mm) Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel
Strike	Wrought brass, bronze or stainless steel 800 curved lip strike standard 808 ANSI curved lip strike available (28- option) Wrought box strike available (WBS- option)
Hand	Universal, not handed
Levers	Secured with 6 lobe security set screw standard 6 Lobe tool packed with each lock
Roses	Heavy wrought brass, bronze or stainless steel
Latchbolt	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw 3/4" (19mm) throw for pairs of doors (41- option)
Cylinder	Brass, 6-Pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be masterkeyed or grand masterkeyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Door Prep	ANSI/BHMA A156.115 (161)
Minimum Stile	4-1/4" (108mm) with B and O roses 4-1/2" (114mm) with E and L roses

Certification Compliance

ANSI/BHMA	Meets and greatly exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
UL-cUL	UL and cUL listed to Canadian safety standards Listed for 3 Hour Doors (double doors require 41- option)
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirements for barrier-free accessibility. Levers (L, J and P) conform to California Administrative Code Title 19
Windstorm Certifications	UL Listed: ANSI/SDI-BHMA A250.13; ANSI/ASTM E330-2002; ANSI/ASTM E1886-2005 & ASTM E1996-2009 UL Certification Directory ZHEM.R21744 Latching Hardware Listed on Florida Building Code Website: FL4351-R1

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

On the Cover

11G05 x OL x 26D Entrance Lock

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Features, Benefits and Applications

11 Line Bored Lock

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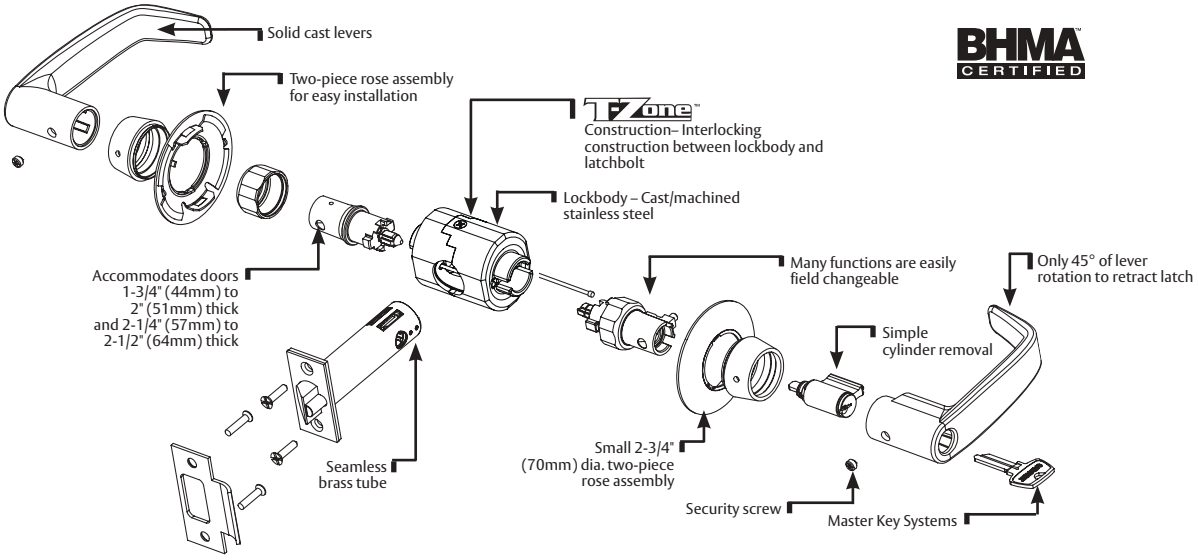
The SARGENT 11 Line sets a higher standard for Grade 1 bored-in locks. The unique, T-Zone construction provides unequalled strength and durability for the most demanding applications such as schools and hospitals. This is accomplished by true interlocking between the lockbody and the latchbolt.

Specify the SARGENT 11 Line when you need the ultimate in strength and durability in a bored-in lock. Accept no substitute. There is no equal!

Patent pending and/or patent www.assaabloydss.com/patents

T-Zone Construction — There is no equal!

Direct linkage with fixed alignment between the hub and the latchbolt is the best construction for quietly and effectively operating the latchbolt. For this reason, SARGENT has developed the interlocking aligning and latch tubes, which form a rugged torque resistant "T" in the critical twist area. This "T-Zone" construction, combined with long lasting components, makes 11 Line bored locks outstanding!



BHMA CERTIFIED

Maximum Strength & Durability

- True interlocking between the cast/ machined stainless steel lockbody and latchbolt. Provides unequalled strength and durability
- Independent Testing proves:
  - Exceeds 15 TIMES ANSI/ BHMA A156.2 Grade 1 standard for cycle testing. Over 15,000,000 MILLION cycles!
  - Withstands 3 TIMES ANSI/ BHMA A156.2 Grade 1 torque force on a locked lever. Over 3000 in/lbs!
  - Virtually no lever sag ever
- In a class of its own! This lock raises the bar and sets new standards!
- 10 Year limited warranty. No service required to maintain warranty

BHMA CERTIFIED

Maximum Convenience

- Two-piece rose assembly goes quickly into place
- "Out of the box and onto the door" packaging organizes the parts, has simple instructions and even a small tool kit
- Fits any 161 prep; Does not fit 160 door prep
- Two piece rose & collar for easier installation
- Only 45° of lever rotation required to retract latchbolt
- 18 functions. Many functions are easily field changeable
- 4 ADA lever designs and 4 roses available to cover a wide variety of door preps and design requirements
- Simple cylinder removal. Easy change outs
- 12 Architectural grade finishes
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- The only bored lock on the market available with security lever catch feature for high vandalism application
- Resists vandalism
- Torx® and spanner screws
- Classroom security function available
- Security key systems available (Degree®, Signature, Keso F1, XC)

Applications

- High traffic areas – offices, public buildings, hospitals
- High abuse areas – institutions, schools, retail
- Anywhere that requires the contemporary look of a small rose and durability that exceeds Grade 1 standards

Innovation

- Patented "11 Line" construction with true interlocking between the lockbody and the latchbolt Provides unequalled strength and durability for the most demanding applications
- Revolutionary MicroShield® available, technology, containing the Agion™ antimicrobial compound, that suppresses the growth of destructive bacteria

MicroShield™

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Windstorm Certifications

11 Line Bored Lock

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 11 Line lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

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STC55 Acoustic Door System

11 Line Bored Lock

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STC55 Acoustical Door Systems from Security Metal Products

SARGENT 11 Line bored locks are part of the STC Acoustical Door Systems from ASSA ABLOY Group brand Security Metal Products (SMP). The STC55 Acoustical Door Systems are the perfect choice for any room where sound transmission needs to be kept to a minimum. This solution encompasses door, frame, sound seals and threshold and lock. All door systems use standard locks. The STC55 requires a special version of the 11 Line lock.

To order the 11 Line bored lock for use with the STC55 door system, include the STC55 option in the 11 Line order string and specify the B or O rose only. With this option, it will be configured for use with the Acoustical Door System.

To learn more about SMP and the STC Acoustical Door Systems, please visit www.secmet.com and search "sound / acoustical" products.

Applications

- Theatres and auditoriums
- Sound stages and production areas
- Recording studios
- Music classrooms
- Conference rooms
- Convention halls
- Offices and more

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Functions

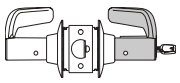
11 Line Bored Lock

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Single Cylinder Functions

04 Storeroom or Closet

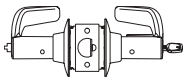
11G04



- Deadlocking latch
- Latchbolt by lever inside or key outside
- Outside lever rigid at all times
- **ANSI F86**

05 Entrance or Office

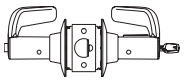
11G05



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by turn button in inside lever
- Turn button must be released manually
- Key only retracts latchbolt when outside lever is locked
- **ANSI F81**

24 Entrance or Office

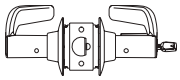
11G24



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- **ANSI F82**

37 Classroom

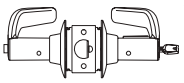
11G37



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever
- Inside lever always operative
- **ANSI F84**

44 Service Station

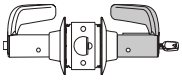
11G44



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by push button of inside lever
- Key retracts latchbolt when outside lever is locked
- Push button will not depress unless door is in closed position
- Push button released by turning inside lever or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- **ANSI F92**

50 Hotel, Dormitory or Apartment

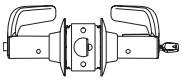
11G50



- Deadlocking latch
- Latchbolt by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button will not depress unless door is closed in position
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Lock out key must be ordered separately (10-0042).
- See option page for restrictions to 50 function
- **ANSI F93**

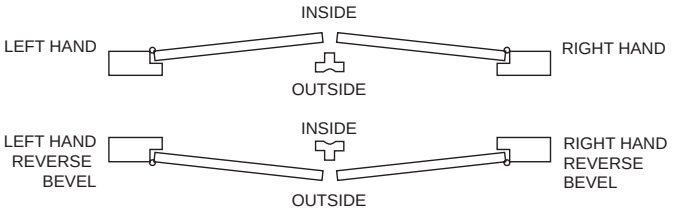
54 Corridor

11G54



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever releases button
- Push button will not depress unless door is in closed position
- Key outside locks or unlocks outside lever and releases inside button
- **ANSI F90**

Hand




Shaded lever indicates it is rigid at all times.

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Functions

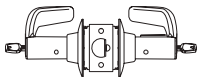
11 Line Bored Lock

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Double Cylinder Functions

16 Classroom, Security, Apartment, Exit, Privacy

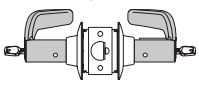
11G16



- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by key in inside lever
- Key in outside lever only retracts latchbolt when outside lever is locked
- **ANSI F88**

17 Utility, Asylum or Institutional

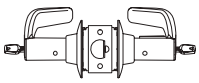
11G17



- Deadlocking latch
- Both levers rigid at all times
- Latchbolt by key either side
- Use only on rooms with more than one exit
- **ANSI F87**

30 Communicating

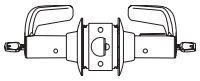
11G30



- Deadlocking latch
- Latchbolt by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- **ANSI F80**

38 Classroom Security Intruder

11G38



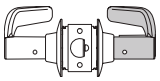


- Deadlocking latch
- Latchbolt by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- When inside key locks the outside lever only the inside key can unlock the outside lever. The outside key only retracts the latchbolt until outside lever is unlocked by inside key
- Inside lever always operable
- Locking direction indicated on inside rose standard with this function. Available on rose designs E, L and O

Non-Cylinder Functions

13 Exit

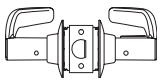
11G13



- Deadlocking latch
- Latchbolt by inside lever
- Outside lever rigid at all times
- **ANSI F89**

15 Passage

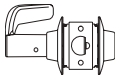
11U15



- Latchbolt by either lever
- **ANSI F75**

15-3 Exit or Communicating

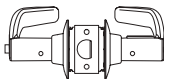
11G15-3



- Deadlocking latch
- Blank rose outside
- Latchbolt by lever inside
- Minimum clearance of 1-1/4" (32mm) required between doors

65 Privacy/Bathroom

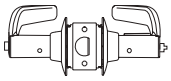
11U65



- Latchbolt by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screw driver in outside lever and releases inside button
- **ANSI F76A**

68 Hospital Privacy

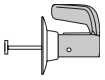
11U68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
- Not available in the "J" lever design

93 Single Lever Pull

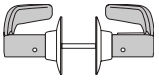
11U93



- For wood or custom hollow metal doors
- Lever and rose attached by through-bolt and four surface applied screws (hidden)
- Requires 5/16" (8mm) diameter hole

94 Double Lever Pull

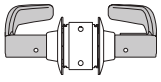
11U94



- For wood or custom hollow metal doors
- Lever and rose both sides joined by one through-bolt and four surface applied screws each side (hidden)
- Requires special door preparation – see template

94-2 Double Lever Pull

11U94-2



- For 161 and ANSI A115.2 prepared doors
- Lever and rose both sides joined by aligning tube and latchbolt tube
- Dummy latch plate



Shaded lever indicates it is rigid at all times.

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Function Conversion Chart and Retrofit Options

11 Line Bored Lock

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11 LINE FUNCTION CONVERSION CHART

FUNCTION	INSIDE LEVER	INSIDE COLLAR	INSIDE SLEEVE	LATCH	BEARING	OUTSIDE SLEEVE	OUTSIDE COLLAR	OUTSIDE LEVER
04: Storeroom/Closet	Passage lever	11-0031	11-2151	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
05: Entrance/Office	Pushbutton lever	11-0031	11-2152	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
13: Exit	Passage lever	11-0031	11-2151	11-2106(B)	11-2899	11-2010	(On sleeve)	Passage lever
15: Passage	Passage lever	11-0031	11-2153	11-2107(A)	11-2899	11-2153	11-0031	Passage lever
15-3: Exit or Communicating	Passage lever	11-0031	11-2153	11-2106(B)	11-2899	None - See Parts Book	None - See Parts Book	None - See Parts Book
16: Classroom Security/ Apartment	Cylinder lever	(On sleeve)	11-2011	11-2106(B)	11-2899	11-2009	(On sleeve)	Cylinder lever
17: Utility/Asylum	Cylinder lever	(On sleeve)	11-2013	11-2106(B)	11-2899	11-2012	(On sleeve)	Cylinder lever
24: Entry	Pushbutton lever	11-0031	11-2157	11-2108(K)	11-2899	11-2909	(On sleeve)	Cylinder lever
30: Communicating	Cylinder lever	(On sleeve)	11-2014	11-2106(B)	11-2899	11-2015	(On sleeve)	Cylinder lever
37: Classroom	Passage lever	11-0031	11-2153	11-2106(B)	11-2899	11-2014	(On sleeve)	Cylinder lever
38: Classroom Security	Cylinder lever	(On sleeve)	11-2011	11-2106(B)	11-2899	11-2017	(On sleeve)	Cylinder lever
44: Service Station	Pushbutton lever	11-0031	11-2154	11-2110(D)	11-2899	11-2009	(On sleeve)	Cylinder lever
50: Hotel/Motel	Pushbutton lever	11-0031	11-2155	11-2110(D)	11-2899	11-2016	(On sleeve)	Cylinder lever
54: Dormitory	Pushbutton lever	11-0031	11-2156	11-2110(D)	11-2899	11-2017	(On sleeve)	Cylinder lever
65: Privacy/Bathroom	Pushbutton lever	11-0031	11-2156	11-2111(C)	11-2899	11-2055	(On sleeve)	Cylinder lever

Note: Functions 93, 94 and 94-2 are of different construction. See Parts Pages for parts and construction

SARGENT 6010 Replacement Kit — for 7600 Integra Lock


Sub Front


800 Strike


808 Strike

- For installation of standard backset 11 Line lock replacing old 7600 Integra locks in wood doors
- Finishes: 03, 04, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, BSP and WSP
- Replacement Kit consist of:

Quantity	Item	Item Number	Size
1	Sub Front	08-0562 x finish (108mm x 32mm)	4-1/4" x 1-1/4"
1	Strike **(must specify 800 or 808)**	800 x finish (with screws) 808 x finish (with screws)	2-3/4" x 1-1/4" x 1-1/4" (70mm x 32mm x 32mm) 4-7/8" x 1-1/8" x 1-1/4" (121mm x 29mm x 32mm)
1	Strike Box	08-0055 77-1141	For 800 Strike For 808 Strike (ANSI)
2	Sub Front Screws	01-5001	#10-24 x 3/4" (19mm)

Note: Strikes will not retrofit for strikes 4-1/4" x 1-1/8" x 1-1/4" (108mm x 29mm x 32mm). Lock will not retrofit for lock front plate size 5-1/4" x 1-1/4" (133mm x 32mm) – 36-7600 locks

Large Rose and Cover Plate


"L" Rose
3-1/2" (89mm) diameter
Order: 11-2446 x finish


Cover Plate
3" x 12" (76mm x 305mm)
Order: 06-0037 x finish
(2 qty. required)

Screws
Order: 01-2037 x finish
(8 qty. required)

- To cover existing holes on face of door
- "L" roses can be ordered with the 11 Line lock

  Example: 11G05 x LB x 26D
- Cover plate, if required, must be ordered separately

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Lever and Rose Designs

11 Line Bored Lock

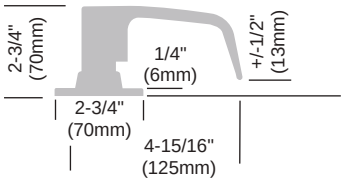
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Lever & Rose Designs

OL Design

- Rose: O - Wrought
- Lever: L - Cast



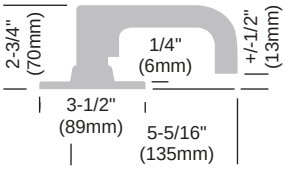


Note: Any rose and lever on this page can be combined to suit individual taste

LJ Design

- Rose: L - Wrought
- Lever: J - Cast

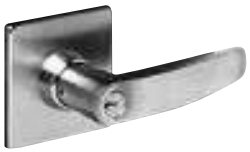


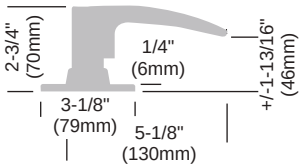


Note: Lever projections shown are for 1-3/4" (44mm) doors and will vary by door thickness

EB Design

- Rose: E - Wrought
- Lever: B - Cast

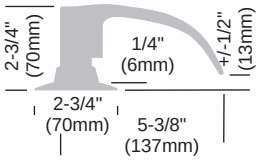




BP Design

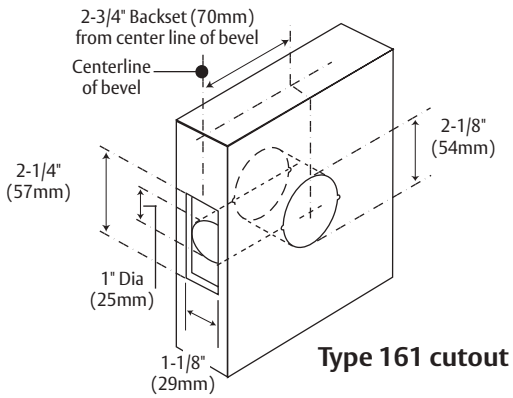
- Rose: B - Wrought
- Lever: P - Cast





Type 161 Cutout

If weather-stripping, acoustical materials or silencers are used on the door or frame, care must be taken in the installation so that it will not interfere with the ease in which the latchbolt enters the strike



Type 161 cutout

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Latches and Strikes

11 Line Bored Lock

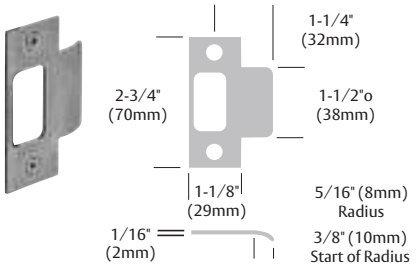
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Latch Assemblies

Part	Code	Functions
Standard 2-3/4" (70 mm) Backset		
11-2106	B	04, 05, 13, 15-3, 16, 17, 30, 37, 38
11-2107	A	15
11-2108	K	24
11-2110	D	44, 50, 54
11-2111	C	65, 68
23- option 3-3/4" (95mm) Backset		
11-2113	B	04, 05, 13, 15-3, 16, 17, 30, 37, 38
11-2114	A	15
11-2115	K	24
11-2117	D	44, 50, 54
11-2118	C	65, 68
25- option 5" (127mm) Backset		
11-2120	B	04, 05, 13, 15-3, 16, 17, 30, 37, 38
11-2121	A	15
11-2122	K	24
11-2124	D	44, 50, 54
11-2125	C	65, 68
41-option 3/4" (19mm) Throw		
08-2517	—	04, 05, 15, 15-3,16, 37

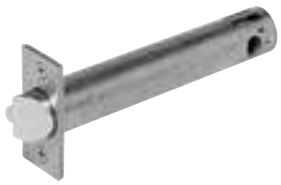
Note: Code letter stamped on inside corner of latch front identifies function(s) compatible with the latch assembly

2-3/4" Curved Lip 800 T-Strike (Standard)



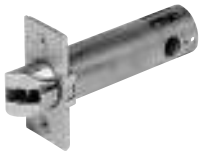
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip, measured from center of strike screw holes to end of lip
- Lip lengths: 1-1/8" (29mm) to 2-7/8" (73mm) in 1/4" (6mm) increments only
- To order 800 strike with lock, specify lock and lip length
  Example: 11G05 x LL x 10B x1-3/4" (44mm) lip
- To order strike separately, specify 800 strike x finish x lip length
- Wrought box strike, 08-0055, provided standard
- Finishes: 03, 04, 09, 10, 10B, 10BE, 14, 15, 20D, 32, 32D, BSP, WSP

23- or 25- Option: Extended Backsets



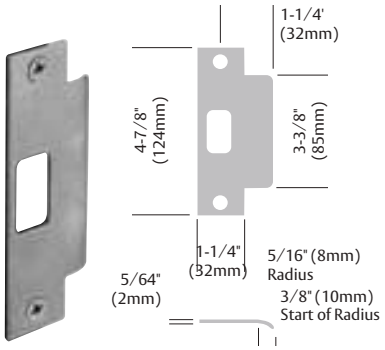
- 11 Line latches are available with extended backsets:
  23- option 3-3/4" (95mm)
  25- option 5" (127mm)
- To order with lock, specify 23- or 25- option and backset at end of order
  Example: 23-11G05 x OL x 10B x 3-3/4" (95mm) backset
- To order latch separately, specify: Part number x finish (see table above)
- Finishes: 03, 04, 09, 10, 10B, 10BE, 15, 20D, 26, 26D, BSP, WSP

41- Option: 3/4" (19mm) Throw for Pairs of Doors



- For use on pairs of doors
- Guarded latchbolts listed by Underwriters Laboratories for use on 3-hour A Label pairs of doors
- Available functions: 11G04, 11G05, 11G13, 11G15, 11G15-3, 11G16, 11G17, 11G30, 11G37 and 11G38
- To order with lock, specify 41- option
  Example: 41-11G05 x OB x 10B
- 2-3/4" (70mm) Backset only
- Requires 78° of lever rotation to retract latchbolt
- Please note: special door prep required for 41- option — refer to template
- Finishes: 03, 04, 09, 10, 10B, 10BE, 15, 20D, 26, 26D, BSP, WSP

28- Option: 4-7/8" Curved Lip 808 ANSI Strike



- Brass, bronze or stainless steel
- Conforms to ANSI standard 115.2
- Furnished standard with 1-1/4" (32mm) curved lip, measured from center of strike screw holes to end of lip
- Lip lengths: 1-1/8" (29mm), 1-1/4" (32mm) and 1-3/8" (35mm) to 2-7/8" (73mm) in 1/4" (6mm) increments only
- To order 808 strike with lock, specify 28- option with lock and lip length
  Example: 28-11G05 x LL x 10B x 1-3/4" (44mm) lip
- To order strike separately, specify 808 strike x finish x lip length
- Wrought box strike not provided, order separately as 77-1141
- Finishes: 03, 04, 09, 10, 10B, 10BE, 15, 20D, 32, 32D, BSP, WSP

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Cylinders

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Cylinders

- Finishes: 04, 15

				Interchangeable Core^	
Type	**Pins**	**Standard Cylinder**	**Hotel Cylinder**	**Large Format**	**Small Format**
Conventional	6	C11-1	C11-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C11-1	N/A	10-6300	N/A
XC	6	11-C11-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C11-1	DG1-C11-2	DG1-6300	N/A
Degree® DG2	6	DG2-C11-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C11-1	N/A	DG3-6300	N/A



C11-1



6300



7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C11-1 x LA x 15)

^ Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 13-14 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C11-1
Schlage® E	SE-C11-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks. Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	11-0172
11-6300 DGX-6300	LFIC XC LFIC Degree®	11-5003
7300B	SFIC	11-0171
7P-7300B	SFIC 7 Pin	11-0172
11-7P-7300B	SFIC XC	11-0276

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	11-2578	Schlage® Conventional or Primus®
Yale® 6-pin	YC-	L, P	11-5004 (spacer)	Yale® 1803-54L, 5803-54L andK403-54L cylinders only
Yale® 7-pin	YC-7P-	L, P		Yale® 1803A-54L, 5803A-54L and K403A-54L cylinders only
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	All	11-0171 (6-pin)	All 6- or 7-pin small format interchangeable cores
			11-0172 (7-pin)	
Schlage® LFIC 6-pin	SF-	L	11-0403	All Schlage® 6-pin large format interchangeable cores
Yale® LFIC 6-pin	YRC-	L, P	11-5005 (tailpieces for both 6- and 7-pin included when ordered separately)	All Yale® 6-pin large format interchangeable cores
Yale® LFIC 7-pin	YRC-7P-	L, P		All Yale® 7-pin large format interchangeable cores

*Cylinder/core not included.

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Mechanical Options

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Mechanical Options:

Backset Options	**23-**	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	**28-**	#808 strike; standard lip length 1-1/4". Other lip lengths must be specified; available lengths are 1-1/8", 1-3/8", 1-5/8", 1-7/8", 2-1/8", 2-3/8", 2-5/8" & 2-7/8"
Thick Doors	**31-**	For 2-1/4" to 2-1/2" thick doors, centered in door prep, no paneling. Consult factory for other door thicknesses available by special application.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	**41-**	3/4" (19mm) latch throw (04, 05, 13, 15, 15-3, 16, 17, 30, 37 and 38 functions only) 78° lever rotation required
Lead Lined	**74-**	Lead Lining I/S rose, O/S rose, and Latch Tube
Tactile Warning Options	**75-**	Tactile warning – handicap warning milled on backside of inside lever
	76-	Tactile warning – handicap warning milled on backside of outside lever
	77-	Tactile warning – handicap warning milled on backside of both levers
	85-	Tactile warning – abrasive coating on inside lever
	86-	Tactile warning – abrasive coating on outside lever
	87-	Tactile warning – abrasive coating on both levers
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (Only available with 15 and 26D finishes)
	CPC-	Clear Powder Coat over 26D – 11G05 x OL x 26D x CPC
Additional Security	**SL-**	High security lever attachment (patent pending) available for keyed functions
Acoustical Door Systems	**STC**	STC 55 acoustical door system (see page 5)
Box Strike	**WBS-**	Wrought Box Strike

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Cylinder Options

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Cylinder Options:

Conventional Cylinder	-	SARGENT conventional cylinders supplied standard (nomenclature not required)
Degree Key System	DG1-	SARGENT Degree key system level 1 (bump resistant with patented keys)
	DG1-21- *	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	SARGENT degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3- *	SARGENT Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-*	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed lfic
Signature Key System	**10-***	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature Removable Core	**10-63-***	SARGENT Signature removable core cylinder
XC- Key System	**11-***	XC key system (not available with other key systems, unless specified)
	11-21-*	XC - construction key system (lost ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	**11-70-7P-***	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Construction Key Systems	**21-***	SARGENT lost ball construction keying for conventional, XC and Signature Series (n/a with 63- or 73-)
	22-*	SARGENT construction split key system for conventional cylinders (existing systems only) (n/a with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-***	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (removable core); Includes master keying, grand master keying
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately

Note: Cylinder Options continued on the following page
* Options not available with 11G50

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Cylinder Options

11 Line Bored Lock

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Cylinder Options:

Small Format Interchangeable Cores	**70-***	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Keso & Keso F1	**80-***	Lock to accept Keso and Keso F1 cylinders - no cylinders provided
	82-*	Lock provided with SARGENT Keso security cylinder
	F1-82-*	Lock provided with SARGENT Keso F1 security cylinder (patented)
Bump Resistant	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)
Less Cylinder	**LC-**	Lock supplied less cylinder
Schlage® Keyways	**SC-***	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	**30-***	Lever to accept Schlage® fixed core cylinder - cylinder is not provided
	SF-*	L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)
ASSA V-10** (See note below)	**VC-**	Lock provided to accept ASSA v-10 interchangeable core cylinders. V-10 cylinders are available from ASSA, Inc @ 800-235-7482
Accepts Yale® Cylinders/Cores	**YC-**	L or P Lever to accept Yale® 6-pin fixed core cylinder - cylinder is not provided
	YC-7P-	L or P Lever to accept Yale® 7-pin fixed core cylinder - cylinder is not provided
	YRC-	L or P Lever to accept Yale® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)
	YRC-7P-	L or P Lever to accept Yale® 7-pin large format interchangeable core (supplied less core, but with tailpiece needed)

* Options not available with 11G50
** To use ASSA V-10 (VA & VS) cylinders with the 11 Line Lock, specify (LC-) less cylinder option and the lock will accept VA or VS cylinders. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: 11 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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Tools

11 Line Bored Lock

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11-0138 Installation Wrench



14-0299 Lockout Key



- For hotel function only
- Order separately

01-4530 6 Lobe Security Tool (T-20)



- Two, 6 Lobe security lever set screws packed standard with each lock
- One T-20 tool packed per lock

6 Lobe and Spanner Bit Packs

82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

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How to Order, Finishes, Packaging

11 Line Bored Lock

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How to Order

5	11-28-	11G05	B	B	15	Door 3
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Finish**	**Additional Information**
	Available Options Pg 12-14 (Note: 28- for 808 ANSI Strike)	Available Functions Pg 6-7	Available Roses O, E, L & B Pg 9	Available Levers B, J, L & P Pg 9	Available Finishes Pg 16	Such as Item, Heading Number, Door Number, Keyset

* Multiple Options may be selected
Note: Lock must be centered within door; For locks not centered contact factory
Note: 800 & 808 strikes have a standard 1-1/4 Lip length; all other lengths must be specified; available lengths are 1-1/8", 1-3/8", 1-5/8", 1-7/8", 2-1/8", 2-3/8", 2-5/8" & 2-7/8"

Finishes

SARGENT #	Description	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark oxidized satin bronze - Equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—
SG- Option	MicroShield® available on 15 & 26D finishes only	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 11G05 x BB x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

Packaging

28-11G05 x OL
4 lbs. 8 oz./box (2.1 kg)
10 boxes/case

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Architectural Specifications

11 Line Bored Lock

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Suggested Architectural Specifications

2.0 Bored Locksets – 11 Line

A. All bored lever locks shall be manufactured by SARGENT Manufacturing Co., New Haven, CT.

B. Locksets shall be able to withstand 3000 inch pounds of torque applied to the locked lever without gaining access.

C. Locksets shall be cycle tested per ANSI A156.2, 1996, to nine million cycles without any visible lever sag.

D. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3m) and pairs of doors 8'0" (2.4m) x 10'0" (3m) (with 41-option).

E. Locksets shall be able to fit a standard 2-1/8" (55 mm) bore without the use of through-bolts. Standard rose size shall be 2-3/4" (70 mm) in diameter.

F. Lockset levers shall be made of solid material with no plastic fillers.

G. Latchbolt head shall be one piece stainless steel.

H. Latchbolt assemblies shall be encased within the lockbody.

I. Cylinders: SARGENT Signature Series 6-pin cylinders with patented key control.

J. Locks shall have 2-3/4" (70 mm) backset, standard.

K. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike to allow practical and secure operation.

L. Locksets shall have a ten year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90640 03/20

Product Catalog

SARGENT
ASSA ABLOY

10X Line
Cylindrical Lever Lock



Experience a safer
and more open world

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10X Line Cylindrical Lever Locks

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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On The Cover

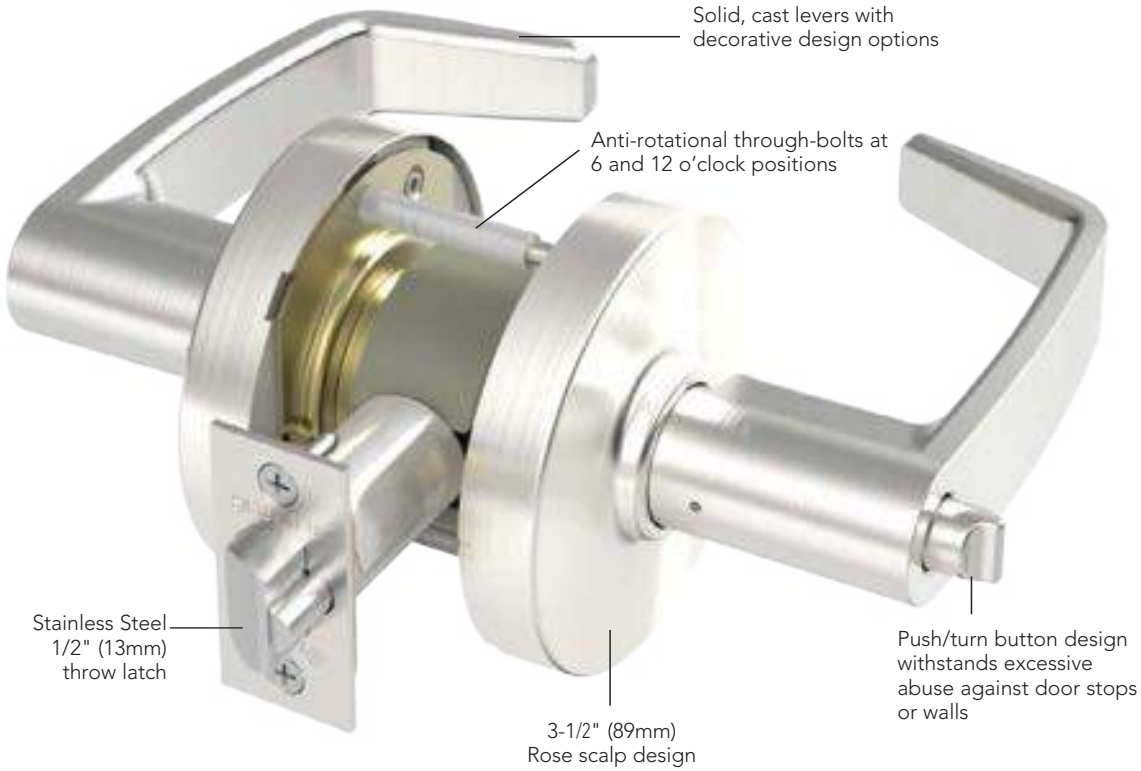
- 10XG05 x LL Entrance Function

Overview

10X Line Cylindrical Lever Locks

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The SARGENT 10X Line is engineered to secure and protect high-traffic, high-abuse spaces. It doesn't simply meet ANSI/BHMA Grade 1 performance standards for durability, strength and performance, it exceeds them - by as much as 20 times. That means occupants enjoy consistent performance for the life of the product.



Applications

- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities
- Government

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BHMA CERTIFIED Hurricane

Certifications

10X Line Cylindrical Lever Locks

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Certification/Compliance

ANSI/BHMA	Certified ANSI/BHMA A156.2 (2017) Series 4000 — Grade 1 Certified ANSI/BHMA A156.41
UL/cUL	UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option)
NFPA 80	Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA clear opening width requirements of ANSI A117.1
California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)	All levers with returns comply; levers return to within 1/2" (13mm) of door face
Windstorm/Hurricane	All individual components of a total door opening are required to comply with each code.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10X Line lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"*
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"*
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"

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Technical Details

10X Line Cylindrical Lever Locks

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Door Prep	ANSI/BHMA A156.115
Door Thickness	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, specify 1- Option for Adapter plates Over 2" (51mm) up to 2-1/4" (57mm), specify 31- Option
Minimum Stile	4-1/2" (114mm)
Handing	Non-handed
Backset	2-3/4" (70mm) backset w/ 1-1/8" front (standard) 2-3/8" (60mm) backset w/ 1" wide front (specify 20- Option) 3-3/4" (95mm) backset w/ 1-1/8" front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" front (specify 25- Option)
Latchbolt	Stainless steel, 1/2" (13mm) throw Optional: Brass 3/4" (19mm) throw deadlocking fire latch for pair of doors (specify 41- Option)
Front	Wrought brass and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20- Option)
Strike	Wrought brass, bronze and stainless steel 808 curved lip ANSI strike - **standard** 800 curved lip strike (specify 29- Option) Wrought box strike available (specify WBS- Option)
Cylinder	Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random
Keys	Two nickel silver change keys per lock standard
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Lead Lining	Lead provided between lockbody and spring cartridge (specify 74- Option)
Tactile Levers	Knurling (etching) or abrasive coating (applied finish) applied to backside of levers (see Options page 16)
Finishes	See page 17
Warranty	Ten-year limited

Strength & Durability

- Exceeds 3,100 in-lb abusive locked lever torque with no entry while maintaining egress (2.6 times ANSI/BHMA A156.2 requirements)
- Exceeds 1,600 lbs offset lever pull with no entry for protection against attacks (8 times ANSI/BHMA A156.2 requirements)
- Latch retraction with 100lb preload (2 times ANSI/BHMA A156.2) while maintaining ANSI/BHMA requirements for operation in warped doors
- No access with minimum 100 vertical impacts for protection against vandalism attempts (20 times ANSI/BHMA A156.2 requirements)
- Independent return springs allow lock to exceed ANSI/BHMA A156.2 Grade 1 cycle requirements without lever sag
- Innovative push/turn button design to withstand excessive abuse against door stops or walls.

Flexibility

- Lock chassis design supports all cylinder formats allowing flexibility for from fixed core to interchangeable core cylinders.
- High Security and security key systems available (Degree®, Signature, Keso, XC)
- Patent pending adjustable push/turn button for easy door thickness adjustment.
- Rigid lever standard; freewheeling levers available for vandal resistance.

Broad Offering

- Available with 26 mechanical functions
- 14 finishes and Microshield options
- Multilple lever options including decorative designs

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Lever & Rose Designs

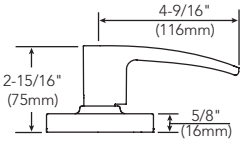
10X Line Cylindrical Lever Locks

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Levers - Solid Cast Zinc

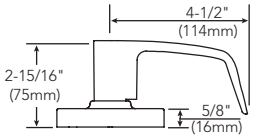
B





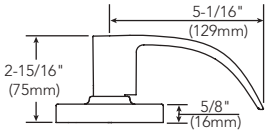
L*





P*

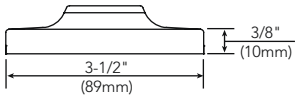




Roses - Wrought Brass or Bronze

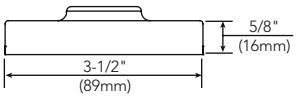
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L

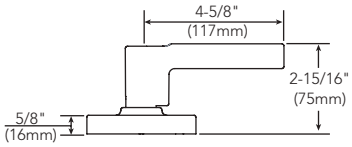




Decorative Levers

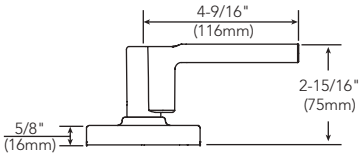
MD





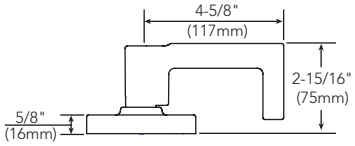
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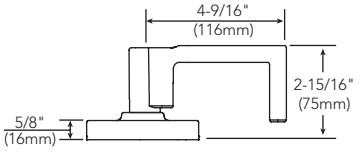
ND*





MW*





Any rose or lever on this page can be combined to suit individual taste.
All lever height measurements represent total distance from door face. Dimensions shown using L rose.
*Lever with return to within 1/2" of door face.

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Functions

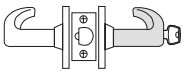
10X Line Cylindrical Lever Locks

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Single Cylinder Functions

04 Storeroom or Closet

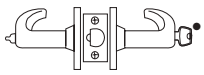
10XG04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- ANSI/BHMA F86

05 Entrance or Office

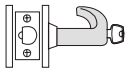
10XG05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- ANSI/BHMA F109

07 Communicating Storeroom

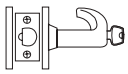
10XG07



- Deadlocking latch
- Latch by key
- Lever rigid at all times
- Lever on one side; blank plate on other side
- ANSI/BHMA F112

08 Communicating Classroom

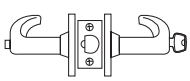
10XG08



- Deadlocking latch
- Latch by lever unless lever is locked by key
- Key in lever locks or unlocks lever and retracts latch
- Lever on one side; blank plate on other side
- ANSI/BHMA F113

24 Entrance or Office

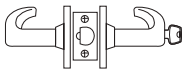
10XG24



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- ANSI/BHMA F82A

37 Classroom

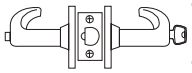
10XG37



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- ANSI/BHMA F84

44 Service Station

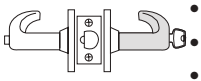
10XG44



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- ANSI/BHMA F92

50 Hotel, Dormitory or Apartment

10XG50



- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See option page for restrictions to 50 function
- Emergency key ordered separately. Part # 6267EMK plus key system registry number
- ANSI/BHMA F93



Shaded lever indicates it is rigid at all times.

Freewheeling locking levers available on all locking functions, specify FW- Option.

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Functions

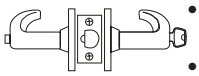
10X Line Cylindrical Lever Locks

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Single Cylinder Functions

53 Corridor, Dormitory

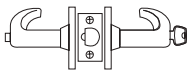
10XG53



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- When outside lever is locked by push button or key, it can be unlocked by key, rotating inside lever or closing door
- Modified ANSI/BHMA F90

54 Corridor, Dormitory

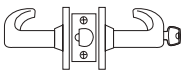
10XG54



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- ANSI/BHMA F90

60 Barrier Free Storeroom/Public Restroom

10XG60

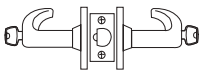


- Deadlocking latch
- Latch by lever inside
- Key in outside lever unlocks outside lever to retract latch
- Key is retained in unlock mode
- When key is removed outside lever is locked

Double Cylinder Functions

16 Classroom Security, Apartment, Exit, Privacy

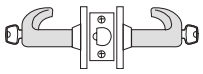
10XG16



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key in inside lever
- Key in outside lever retracts latch when outside lever is locked
- Inside lever always operative
- ANSI/BHMA F88

17 Utility, Asylum or Institutional

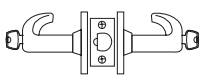
10XG17



- Deadlocking latch
- Both levers rigid at all times
- Latch by key either side
- Use only on rooms with more than one exit
- ANSI/BHMA F87

26 Store or Storeroom

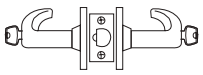
10XG26



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks both levers
- ANSI/BHMA F91

30 Communicating

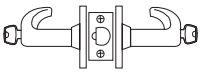
10XG30



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- ANSI/BHMA F80

38 Classroom Security Intruder

10XG38





- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function
- ANSI/BHMA F110



Shaded lever indicates it is rigid at all times.

Freewheeling locking levers available on all locking functions, specify FW- Option.

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Functions

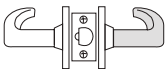
10X Line Cylindrical Lever Locks

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Non-Cylinder Functions

13 Exit

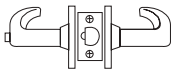
10XG13



- Deadlocking latch
- Latch by inside lever
- Outside lever rigid at all times
- ANSI/BHMA F89

14 Patio or Privacy

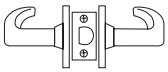
10XG14



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Should not be used in rooms that have no other entrance
- ANSI/BHMA F77A

15 Passage

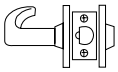
10XU15



- Latch by either lever
- ANSI/BHMA F75

15-3 Exit or Communicating

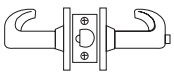
10XG15-3



- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors

64 Time Out Lock

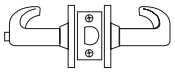
10XG64



- Deadlocking latch
- Latch by either lever either side (passage) unless push button depressed and held by caretaker (detention side becomes rigid). Lock returns to passage mode upon release of push button.
- Push button automatically releases when caretaker releases push button.
- Both levers always free

65 Privacy/Bathroom

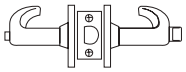
10XU65



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver in outside lever and releases inside button
- ANSI/BHMA F76A

68 Hospital Privacy

10XU68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button

93 Single Lever Pull

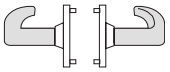
10XU93



- Lever acts as a pull only, no operation
- Lever is rigid
- Requires special door preparation, see template A8291

94 Double Lever Pull

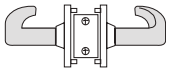
10XU94



- Lever and rose both sides joined by two through-bolts
- Levers act as a pulls only, no operation
- Levers are rigid
- Requires special door preparation, see template A8291

94-2 Double Lever Pull

10XU94-2



- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Dummy latch plate
- Uses standard door prep template



Shaded lever indicates it is rigid at all times.

Freewheeling locking levers available on all locking functions, specify FW- Option.

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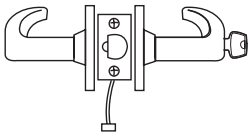
Electromechanical Functions & Accessories

10X Line Cylindrical Lever Locks

SARGENT
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70 Electromechanical (Fail Safe)
71 Electromechanical (Fail Secure)

10G70/10G71



- 10G70: Power off, unlocks outside lever
- 10G71: Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

RX- Monitoring of Inside Lever

- Non-Contact Switch
- Bidirectional lever rotation
- Non-handed design
- Internal switch offers N/O & N/C
- Modular wire harness with ElectroLynx® 8-pin connector
- Available functions: 04, 05, 15, 37, 70 & 71

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10 Line Electrified Lock to the electronic access control system, the following items are required:

- 10 Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKinney)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC8 ElectroLynx® hinges are recommended for Electrified 10 Line Applications



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT Model No.	Description
3521	12V - 1 AMP Power Supply
3541	12V - 3 AMP Power Supply
3551	12V - 4.5 AMP Power Supply
3571	12V - 6 AMP Power Supply
737	12V - 5 AMP Hour Battery Backup

SARGENT Model No.	Description
3520	24V - 1 AMP Power Supply
3540	24V - 2 AMP Power Supply
3550	24V - 4 AMP Power Supply
3570	24V - 6 AMP Power Supply
738	24V - 5 AMP Hour Battery Backup

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Cylinders

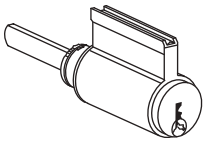
10X Line Cylindrical Lever Locks

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ASSA ABLOY

Cylinders

- Finishes: 04, 15

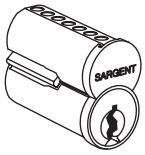
				Interchangeable Core^	
Type	Pins	Standard Cylinder	Hotel Cylinder	Large Format	Small Format
Conventional	6	C10X-1	C10X-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C10X-1	N/A	10-6300	N/A
XC	6	11-C10X-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Keso	12	F1-82-C10X-1	N/A	N/A	N/A
Degree® DG1	6	DG1-C10X-1	DG1-C10X-2	DG1-6300	N/A
Degree® DG2	6	DG2-C10X-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C10X-1	N/A	DG3-6300	N/A



C10X-1



DG-6300



7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied 1-bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10X-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and XC cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 14-15 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10X-1
Schlage® E	SE-C10X-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks. Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpiece Packs (replacement parts)

Used with:	Type	Std. Doors	Thick Doors (31-)
6300 10-6300 DGX-6300	LFIC Conventional LFIC Signature LFIC Degree®	10-3631	10-3632
11-6300	LFIC XC	10-3635	10-3636
7300B	SFIC 6 Pin	10-3633	10-3634
7P-7300B 11-7P-7300B	SFIC 7 Pin SFIC XC	10-3641	10-3642

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece Packs (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	10-3625 (std) 10-3626 (31-)	Schlage® Conventional or Primus®
Yale® 6-pin	YC-	All	10-3639 (std) 10-3640 (31-)	1803-46L
Yale® 7-pin	YC-7P-	All		1803A-46L
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	All	10-3633 (std) 10-3634 (31-)	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	SF-	B, L, P	10-3627 (std) 10-3628 (31-)	All Schlage® 6-pin large format interchangeable cores
Yale® 6-pin LFIC	YRC-	L, P	10-1191 (std) 10-1192 (31-)	All Yale® 6-pin large format interchangeable cores

*SFIC cores are available through SARGENT, all other cylinders/cores not included and are provided by others.

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Latches

10X Line Cylindrical Lever Locks

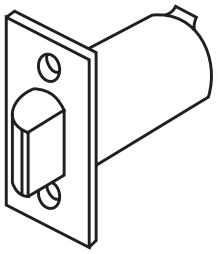
SARGENT
ASSA ABLOY

Latches

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32D, BSP, WSP

Plain/Unguarded Latch - 10U15, 10U65, 10U68:

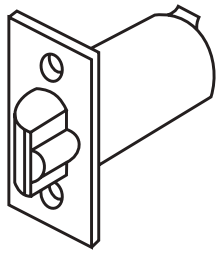
Part No.	Front	Front Width	Backset	Throw
10-3187	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2022	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2054	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2057	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)



Plain/Unguarded

Deadlocking/Guarded Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
10-3186	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2000	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2053	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2058	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)
10-2634*	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	3/4" (19mm)



Deadlocking/Guarded

* 04/26D finish only

Miscellaneous:

Part No.	Description
10-2059	3-3/4" (95mm) Latch extension only
10-2060	5" (127mm) Latch extension only

When ordering latches separately, specify Part No. x Finish (e.g., 10-3186 x 32D)

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Strikes and Miscellaneous Parts

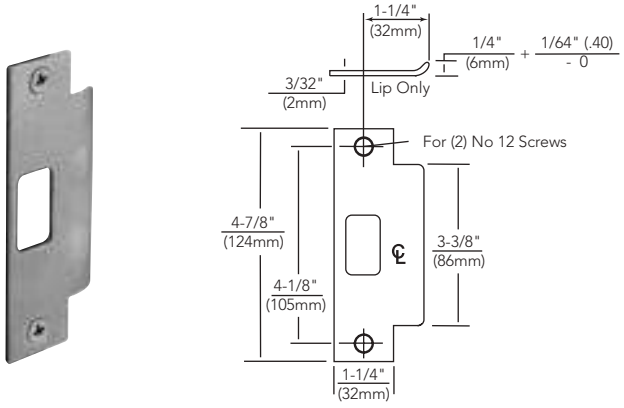
10X Line Cylindrical Lever Locks

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Strikes

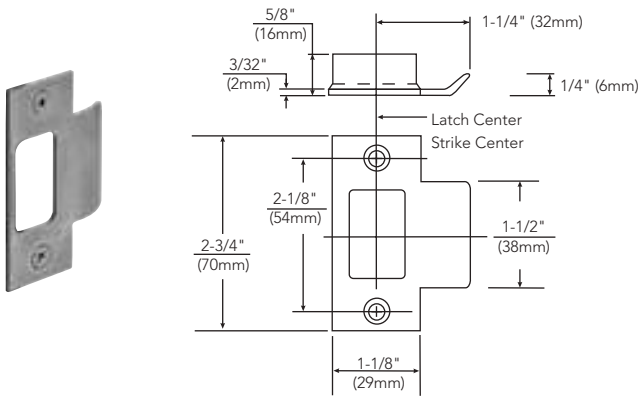
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

4-7/8" Curved Lip Strike (Standard)



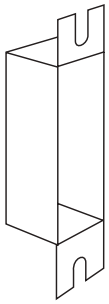
- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

2-3/4" Curved Lip Strike (29- Option)



- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm) and 3" (76mm)
- Plastic strike box AM-0044 included when 29- ordered with lockset
- To order strike separately, specify 800 strike x finish x lip length

ANSI Wrought Strike Box



- Used with ANSI 4-7/8" (124mm) strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

Miscellaneous Parts

Part No.	Description
10-3188	1-3/8" Adapter plate pack (set of 2)
C10X-3	Emergency release cylinder (65 function)
10-0043	Push pin tool
10-1224	Screw pack (standard)
10-1250	Screw pack (29- option)
82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

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Cylinder Options

10X Line Cylindrical Lever Locks

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Cylinder Options:

Conventional Cylinder	—	SARGENT® conventional cylinders supplied standard (nomenclature not required)
Degree Key System	DG1-	SARGENT Degree key system level 1 (bump resistant with patented keys)
	DG1-21- *	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	SARGENT Degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21- *	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-*	SARGENT Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21- *	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed LFIC
Signature Key System	10-*	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (removable core) cylinder
XC- Key System	11-*	XC Key System
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-*	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	11-70-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Construction Key Systems	21-*	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)

Note: Cylinder Options continued on the following page
* Options not available with 10XG50

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Cylinder Options

10X Line Cylindrical Lever Locks

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Cylinder Options:

Large Format Interchangeable Core (Removable Core)	60-*	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately
Small Format Interchangeable Cores	70-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose
Keso & Keso F1	80-*	Lock to accept Keso and Keso F1 cylinders — no cylinders provided (L,B,P levers only)
	82-*	Lock provided with SARGENT Keso Security Cylinder (L,B,P levers only)
	F1-82-*	Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (L,B,P levers only)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Keyed Different	KD-	Cylinders provided keyed differently/random
Less Cylinder	LC-	Lock supplied less Cylinder
Schlage® Keyways	SC-*	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	30-*	Lever to accept Schlage® fixed core cylinder - cylinder is not provided (all designs)
	SF-*	L, B, or P lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)
Accepts Yale® Cylinders/Cores	YC-	Lever to accept Yale® 6-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YC-7P-	Lever to accept Yale® 7-pin fixed core cylinder - less cylinder, tailpiece provided (all designs)
	YRC-	L or P Lever to accept Yale® 6-pin large format interchangeable core (supplied less core, but with tailpiece needed)

* Options not available with 10XG50

Notes:

- To order the 10X Line Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482.
- 10X Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and XC cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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Mechanical Options

10X Line Cylindrical Lever Locks

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Mechanical Options:

Thin Doors	1-	Adapter plates for 1-3/8" thick doors (2-3/4" backset latch with 1-1/8" front provided unless 20- option for 2-3/8" backset also specified)
Backset Options	20-	2-3/8" backset latch with 1" front
	23-	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	29-	Strike #800. Lip length 1-1/4". Lip lengths 1" to 2" in 1/4" increments only.
Thick Doors	31-	For 2" to 2-1/4" thick doors, centered in door prep, no paneling. Consult factory for other door thicknesses available by special application.
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	41-	3/4" throw latchbolt x 2-3/4" backset
Lead Lining	74-	Lead provided between lockbody and spring cartridge
Tactile Warning Options	75-	Tactile warning - handicap warning milled on backside of inside lever (L, B, P levers only)
	76-	Tactile warning - handicap warning milled on backside of outside lever (L, B, P levers only)
	77-	Tactile warning - handicap warning milled on backside of both levers (L, B, P levers only)
	85-	Tactile warning - abrasive coating finish on inside lever
	86-	Tactile warning - abrasive coating finish on outside lever
	87-	Tactile warning - abrasive coating finish on both levers
Freewheeling Trim	FW-	Freewheeling locking levers
Finish Protection	SG-	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
	CPC-	Clear Powder Coat over 26D – 10XG05 x LL x 26D x CPC
Request to Exit	RX-	Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71)
Box Strike	WBS-	Wrought box strike

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Finishes, Packaging

10X Line Cylindrical Lever Locks

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SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze - equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black suede powder coat	BSP
WSP	White suede powder coat	WSP
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)	
Zinc levers are plated to match ANSI/BHMA finish. Custom colors available, consult factory. Split finishes: - Specify outside finish first i.e. 10XG05 x LL x 26D x 03 x RH - Handing must be specified - Strike and latch front will match the following: RH & LH = inside finish RHR & LHR = outside finish		

Lock Finish	Cylinder/Core*
03, 04, 09, 10, 10B, 10BE, 10BL, 20D	04
14, 15, 26, 26D, WSP	15
BSP	15

*Finish when cylinder provided with lock

Packaging

10XG05 x LL
4.8 lbs/box (2.2 kg/box)
8 boxes/case

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How to Order

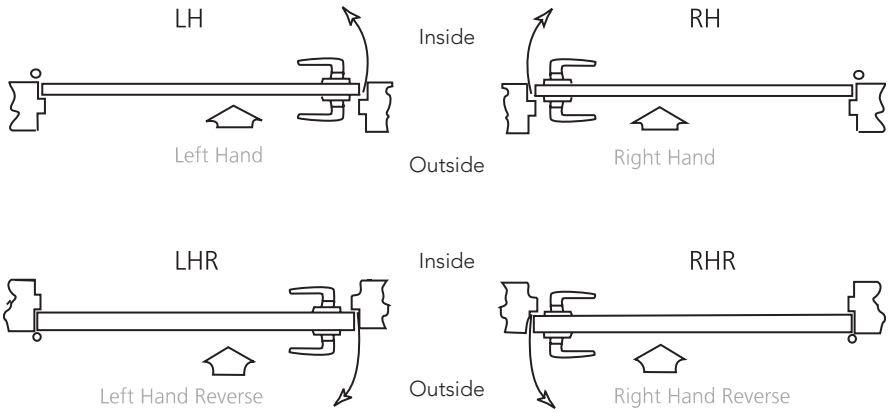
10X Line Cylindrical Lever Locks

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How to Order

5	DG1-	10XG05	G	L	RH	15	Door 3
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 14-16	Available Functions Pg 7-9	Available Roses G & L	Available Levers Pg 6	RH, LH, RHR, LHR	Available Finishes Pg 17	Such as Item, Heading Number, Door Number, Cylinder Keying Details (i.e KD, Keyset)
* Multiple options may be selected							

How to Specify Handing



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Architectural Specifications

10X Line Cylindrical Lever Locks

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Suggested Architectural Specifications - 2.0 Cylindrical Locks

A. Locks shall be 10X Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be ANSI/BHMA Certified Products Directory (CPD) listed.

   1. A156.2, Series 4000, Grade 1
   2. A156.41

C. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:

   1. Cycle Test: Exceeds ANSI/BHMA A156.2 Grade 1 requirements with no lever sag
   2. Abusive Locked Lever Torque: Exceeds 3,100 in-lb with no entry while maintaining egress (2.6 times ANSI/BHMA A156.2 requirements)
   3. Offset Lever Pull: Exceeds 1,600 lbs with no entry (8 times ANSI/BHMA A156.2 requirements)
   4. Latch Retraction with Preload: Exceeds 100lb preload while maintaining ANSI/BHMA requirements for operation in warped doors (2 times ANSI/BHMA A156.2 requirements)
   5. Vertical Impact: Exceeds 100 vertical impacts (20 times ANSI/BHMA A156.2 requirements)

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m)

F. Locks shall have a push/turn button adjustable for door thickness without disassembly.

G. Locks shall have a chassis design that supports all cylinder formats (except Keso) allowing flexibility for changing from fixed core to interchangeable core cylinders.

H. Locks shall be non-handed with bi-directional lever operation.

I. Lock levers shall be made of solid material.

J. Lock shall be available in a minimum of seven different lever designs.

K. Locks shall have a 2-3/4" (70mm) standard backset.

L. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

M. Locks shall have brass 6-pin cylinder standard.

   1. Provide two nickel silver keys with each lock.

N. Locks shall have approximately 45 degrees of lever rotation in order to fully retract latch.

O. Locks shall have a ten-year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

10 Line
Cylindrical Lever Lock



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10 Line Cylindrical Lever Locks

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Specifications

For Doors	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, 1- Option for Adapter plates
Backsets	2-3/4" (70mm) backset w/ 1-1/8" front (standard) 2-3/8" (60mm) backset w/ 1" wide front (specify 20-) 3-3/4" (95mm) backset w/ 1-1/8" front (specify 23-) 5" (127mm) backset w/ 1-1/8" Front (specify 25-)
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass, bronze and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20-)
Strike	Wrought brass, bronze and stainless steel 800 curved lip strike — standard 808 curved lip ANSI strike (28- option) Wrought box strike available (WBS- option)
Hand	All 10 Line Locks are non-handed except for the G & Y Levers
Roses	Heavy wrought brass and bronze
Latch	Stainless steel 1/2" (13mm) throw Brass 3/4" (19mm) throw for pairs of doors (41- option)
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Options	For detailed information see “Options”
Door Prep	ANSI/BHMA A156.115
Minimum Stile	4-1/2" (114mm)

Certification Compliance

ANSI/BHMA	Certified ANSI A156.2 Series 4000 — Grade 1
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41- option)
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers (L, J & P) conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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On The Cover

- 10G05 X GL

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Windstorm Certifications

10 Line Cylindrical Lever Locks

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10 Line lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

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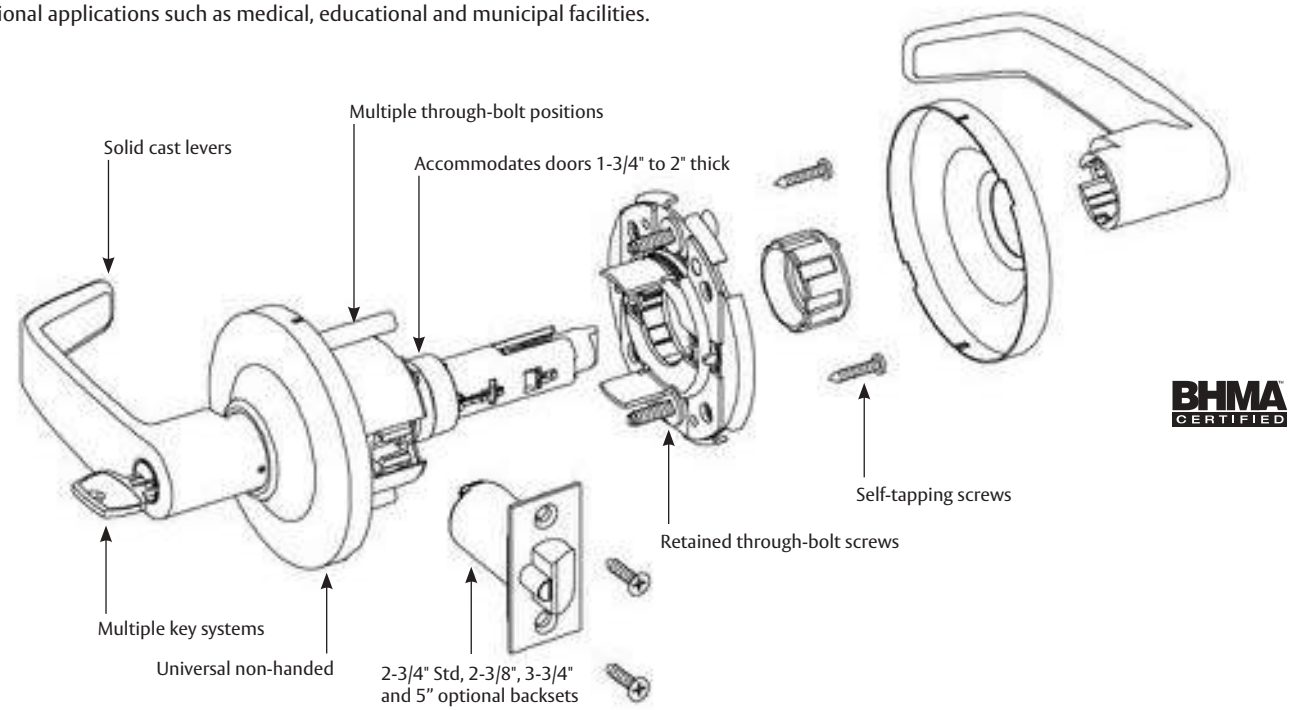
Features & Benefits

10 Line Cylindrical Lever Locks

SARGENT
ASSA ABLOY

Features & Benefits

A heavy duty cylindrical key-in-lever lock designed to exceed the requirements of ANSI 156.2 Series 4000 Grade 1. The 10 Line is the standard for institutional applications such as medical, educational and municipal facilities.



Strength, Durability and Security

- Cycle Test: Exceeds 9 times ANSI/BHMA A156.2 Grade 1 requirements
- Abusive Locked Lever Torque- without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements
- **7 YEAR LIMITED WARRANTY** – no service required to maintain warranty

Convenience

- Installs in 1 minute or less
- Quickly adapts to fit multiple through-bolt positions
- User friendly packaging
- User friendly instruction sheets
- Convenient installation diagram on box

Design

- Solid feel and precise lever action
- Slim rose design available
- Decorative Levers — Coastal Series designs – Gulfport and Yarmouth
- Levers are solid one piece cast construction, except "J" lever

Flexibility

- Fits a variety of door preparations with adaptable through-bolt positioning
- Accommodates retrofit applications with optional 2-3/8", 3-3/4" and 5" backset latches
- 6 ADA lever styles to complement a wide array of design applications
- Levers (B, L, J & P) are non-handed for efficient warehousing and for ease of installation
- 11 Architectural grade finishes
- 21 Functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Classroom security and multiple locking functions available
- Vandal resistant trim optional (FW- option)
- Security key systems available (Signature, Keso, BR-XC, XC)

Applications

- Designed to conform to national & state fire and handicapped requirements
- Grade 1 Lock
- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities

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Lever & Rose Designs

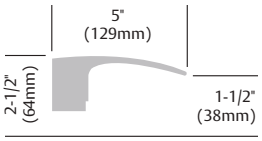
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B Lever Design

- Lever: B–Solid Cast

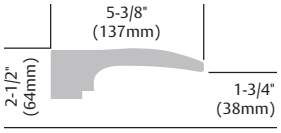




Y Lever Design - Coastal Design - Yarmouth

- Lever: Y–Solid Cast
- Handed

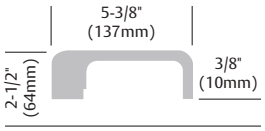




J Lever Design

- Lever: J–Wrought



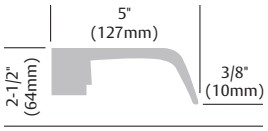


J lever – not available with Freewheeling or Interchangeable Core

L Lever Design

- Lever: L–Solid Cast

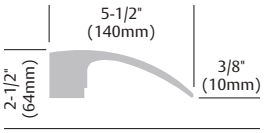




P Lever Design

- Lever: P–Solid Cast

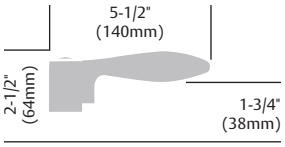




G Lever Design - Coastal Design - Gulfport

- Lever: G–Solid Cast
- Handed

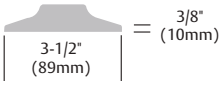




G Rose Design

- Rose G - Heavy Wrought

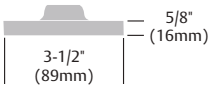




L Rose Design

- Rose L - Heavy Wrought





NOTE: Any rose or lever on this page can be combined to suit individual taste.

NOTE: All lever height measurements represent total distance from door face.

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Functions

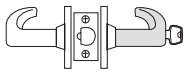
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Single Cylinder Functions

04 Storeroom or Closet

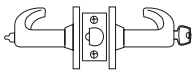
10G04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

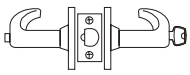
10G05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

24 Entrance or Office

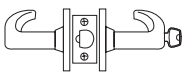
10G24



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- **ANSI/BHMA F82A**

37 Classroom

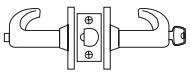
10G37



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- **ANSI/BHMA F84**

44 Service Station

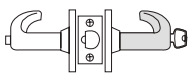
10G44



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- **ANSI/BHMA F92**

50 Hotel, Dormitory or Apartment

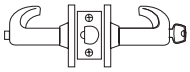
10G50



- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See option page for restrictions to 50 function
- Emergency key ordered separately. Part # 6267EMK
- **ANSI/BHMA F93**

54 Corridor, Dormitory

10G54



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- **ANSI/BHMA F90**

Freewheeling Locked Lever Option

- Available on all locking functions except 10G70 and 10G71
- Provides protection from vandalism and added security
- Stops in the rose prevent the lever from traveling beyond 60° in either direction
- Not available in "J" Lever Design and some options

 Shaded lever indicates it is rigid at all times.

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Functions

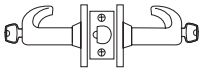
10 Line Cylindrical Lever Locks

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Double Cylinder Functions

16 Classroom Security, Apartment, Exit, Privacy

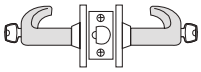
10G16



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key in inside lever
- Key in outside lever retracts latch when outside lever is locked
- Inside lever always operative
- **ANSI/BHMA F88**

17 Utility, Asylum or Institutional

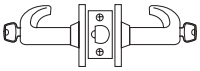
10G17



- Deadlocking latch
- Both levers rigid at all times
- Latch by key either side
- Use only on rooms with more than one exit
- **ANSI/BHMA F87**

26 Store or Storeroom

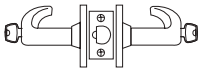
10G26



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks both levers
- **ANSI/BHMA F91**

30 Communicating

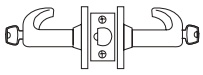
10G30



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- **ANSI/BHMA F80**

38 Classroom Security Intruder

10G38



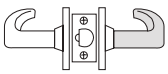


- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function
- **ANSI/BHMA F110**

Non-Cylinder Functions

13 Exit

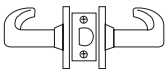
10G13



- Deadlocking latch
- Latch by inside lever
- Outside lever rigid at all times
- **ANSI/BHMA F89**

15 Passage

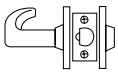
10U15



- Latch by either lever
- **ANSI/BHMA F75**

15-3 Exit or Communicating

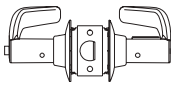
10G15-3



- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors

65 Privacy/Bathroom

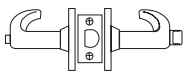
10U65



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver in outside lever and releases inside button
- **ANSI/BHMA F76A**

68 Hospital Privacy

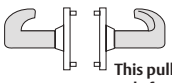
10U68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
- Not available in the "J" lever design

93 Single & 94 Double Lever Pulls

10U93/10U94

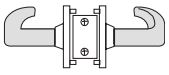


This pull only for 93

- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Requires special door preparation — see template

94-2 Double Lever Pull

10U94-2



- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Dummy latch plate
- Uses standard door prep template



Shaded lever indicates it is rigid at all times.

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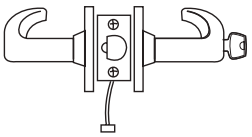
Electromechanical Functions & Accessories

10 Line Cylindrical Lever Locks

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70 Electromechanical (Fail Safe)
71 Electromechanical (Fail Secure)

10G70



- 10G70: Power off, unlocks outside lever
- 10G71: Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

RX- Monitoring of Inside Lever

- Patent Pending design
- Non-Contact Switch
- Bidirectional lever rotation
- Non-handed design
- Internal switch offers N/O & N/C
- Modular wire harness with ElectroLynx® 8-pin connector
- Available functions: 04, 05, 15, 37, 70 & 71

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10 Line Electrified Lock to the electronic access control system, the following items are required:

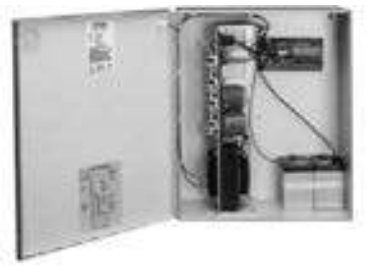
- 10 Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® hinge are recommended for Electrified 10 Line Applications



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear ... and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.



Additional information regarding this product can be found at www.securitron.com

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Strikes and Miscellaneous Parts

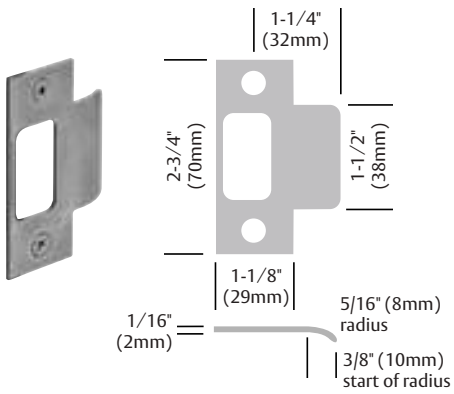
10 Line Cylindrical Lever Locks

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Strikes

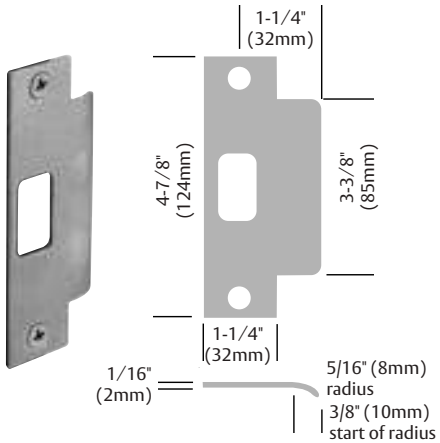
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

2-3/4" Curved Lip Strike – Standard



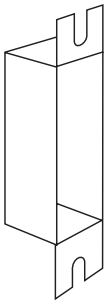
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

ANSI Wrought Strike Box



- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

Miscellaneous Parts

Part No.	Description
10-3188	1-3/8" Adapter plate pack (set of 2)
01-0949	30-option, washer only
C10-3	Emergency release cylinder (65 function)
10-0043	Push pin tool
10-2052	Screw pack (standard)
10-2070	Screw pack (28- option)
10-3048	Inside rose assembly
10-3049	Outside rose assembly
82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

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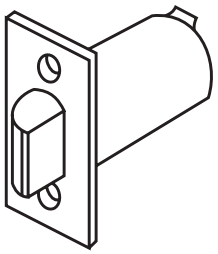
Latches

10 Line Cylindrical Lever Locks

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Latches

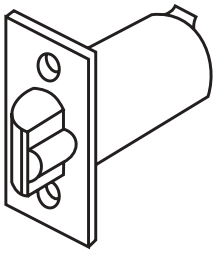
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP



Plain

Plain Latch - 10U15, 10U65, 10U68:

Part No.	Front	Front Width	Backset	Throw
10-3187	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2022	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2054	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2057	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)



Deadlocking

Deadlocking Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
10-3186	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2000	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2053	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2058	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)
10-2634	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	3/4" (19mm)

Miscellaneous:

Part No.	Description
10-2059	3-3/4" (95mm) Latch extension only
10-2060	5" (127mm) Latch extension only
10-0048	Extension cover sleeve

When ordering latches separately, specify Part No. x Finish (e.g., 10-3186 x 26D)

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Cylinders

10 Line Cylindrical Lever Locks

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Cylinders

- Finishes: 04, 15

				Interchangeable Core^	
Type	**Pins**	**Standard Cylinder**	**Hotel Cylinder**	**Large Format**	**Small Format**
Conventional	6	C10-1	C10-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C10-1	N/A	10-6300	N/A
XC	6	11-C10-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C10-1	DG1-C10-2	DG1-6300	N/A
Degree® DG2	6	DG2-C10-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C10-1	N/A	DG3-6300	N/A



C10-1



6300



7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 12-14 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10-1
Schlage® E	SE-C10-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks.
Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	10-0239
11-6300 DGX-6300	LFIC XC LFIC Degree®	10-3429
7300B	SFIC 6Pin	10-0239
7300B	SFIC 6 Pin	10-0286
7P-7300B	SFIC 7 Pin	10-0240
11-7P-7300B	SFIC XC	10-3138

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	N/A	Schlage® Conventional or Primus®
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	G, L, B, P, Y	10-0239 (6-pin)	All 6- or 7-pin small format interchangeable cores
			10-0240 (7-pin)	
Schlage® LFIC 6-pin	SF-	L	10-3428	All Schlage® 6-pin large format interchangeable cores

*Cylinder/core not included.

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Mechanical & Cylinder Options

10 Line Cylindrical Lever Locks

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Mechanical Options:

Thin Doors	**1-**	Adapter plates for 1-3/8" thick doors
Backset Options	**20-**	2-3/8" backset latch with 1" front
	23-	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	**28-**	Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	**41-**	3/4" throw latchbolt x 2-3/4" backset
Lead Lined	**74-**	Lead lining I/S rose, O/S rose, and latch tube
Tactile Warning Options	**75-**	Tactile warning - handicap warning milled on backside of inside lever
	76-	Tactile warning - handicap warning milled on backside of outside lever
	77-	Tactile warning - handicap warning milled on backside of both levers
	85-	Tactile warning - abrasive coating on inside lever
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive coating on both levers
Freewheeling Trim	**FW-**	Freewheeling locking levers (G, L, B, P, Y levers only)
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
	CPC-	Clear Powder Coat over 26D – 10G05 x LL x 26D x CPC
Request to Exit	**RX-**	Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71)
Box Strike	**WBS-**	Wrought box strike

Cylinder Options:

Conventional Cylinder	**DG1-**	Sargent Degree key system level 1 (bump resistant with patented keys)
Degree Key System	**DG1-21-** *	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	Sargent Degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21- *	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-*	Sargent Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21- *	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed LFIC
Signature Key System	**10-***	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable core) cylinder

Note: Cylinder Options continued on the following page
* Options not available with 10G50

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Cylinder Options

10 Line Cylindrical Lever Locks

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Cylinder Options:

XC- Key System	**11-***	XC Key System (not available with other Key Systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	**11-70-7P-***	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Construction Key Systems	**21-***	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-***	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately
Small Format Interchangeable Cores	**70-***	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose (G, L, B, P, Y levers only)
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Keso & Keso F1	**80-***	Lock to accept Keso and Keso F1 cylinders — no cylinders provided (G, L, B, P, Y levers only)
	82-*	Lock provided with SARGENT Keso Security Cylinder (G, L, B, P, Y levers only)
	F1-82-*	Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (G, L, B, P, Y levers only)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage® Keyways	**SC-***	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	**30-***	Lever to accept Schlage® fixed core cylinder - cylinder is not provided
	SF-*	L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)

* Options not available with 10G50

Notes:

- To order the 10 Line Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482.
- 10 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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How to Order, Packaging, Finishes

10 Line Cylindrical Lever Locks

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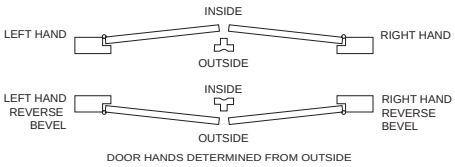
How to Order

5	10-RX-28-	10G70	12VDC	G	Y	RH	15	Door 3
Quantity	**Options***	**Lock & Function**	**Voltage**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 12-13 (Note: 28- for 808 ANSI Strike)	Available Functions Pg 6-7	12VDC or 24VDC Required Information For 70 & 71 Functions	Available Roses G & L	Available Levers B, Y, J, L, P & G	RH, LH, RHR, LHR	Available Finishes Pg 14	Such as Item, Heading Number, Door Number, Keyset
* Multiple options may be selected								

Packaging

28-10G05 x LL
4.2 lbs/box (1.9 kg/box)
10 boxes/case

Hand



Finishes

SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze - equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black suede powder coat	BSP
WSP	White suede powder coat	WSP
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 10G05 x LL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

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Architectural Specifications

10 Line Cylindrical Lever Locks

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Suggested Architectural Specifications - 2.0 Cylindrical Locks

A. Locks shall be 10 Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:
   1. Cycle Test: Exceeds 5 times ANSI/BHMA A156.2 Grade 1 requirements
   2. Abusive Locked Lever Torque — without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements

C. Locks shall be non-handed with bi-directional lever operation, except the "G" and "Y" lever designs.

D. Through-bolt mounting shall be adaptable to fit a variety of standard cylindrical lock preps.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m).

G. Lock levers shall be made of solid material.

H. Lock shall be available in a minimum of six different lever designs.

I. Locks shall have a 2-3/4" (70mm) backset standard.

J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

K. Locks shall have brass 6-Pin cylinder standard.

L. Provide two nickel silver keys with each lock.

J. Locks shall have a seven year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90144 11/19

Product Catalog

SARGENT
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7 Line
Cylindrical Lever Locks



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Specifications

7 Line Cylindrical Lever Locks

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Specifications

For Doors	1-3/4" (44mm) Thick Door standard Specify 1- for 1-3/8" (35mm) Thick Door
Backset	2-3/4" (70mm) Backset standard. Specify 20- for 2-3/8" (60mm) Backset
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass or stainless steel; Standard — 2-1/4" (57mm) x 1-1/8" (29mm), with 2-3/4" (70mm) backset Specify 20- for 2-1/4" (57mm) x 1" (25mm), with 2-3/8" (60mm) backset
Strike	Wrought brass or stainless steel 2-3/4" Curved Lip Strike standard 4-7/8" Curved Lip (28-) and 2-1/4" Full Lip (14-) Strikes Optional
Hand	Non-handed — B, L, P lever designs Handed — G and Y Coastal Series lever designs
Latch	Brass 1/2" (13mm) throw
Keys	Two, nickel silver
Cylinder	Brass, 6-pin, LA keyway standard Can be master keyed or grand master keyed
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL 14, 15, 20D, 26, 26D & BSP
Door Prep	ANSI A115.2; Specify 20- for 160 Prep

Certification Compliance

ANSI	Certified ANSI A156.2 Series 4000 - Grade 2
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirements for barrier-free accessibility
California Code	Levers (L and P) conform to California Administrative Code Title 19 and 24

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

On The Cover

- 7G05 X LL

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Windstorm Certifications

7 Line Cylindrical Lever Locks

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7 Line lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

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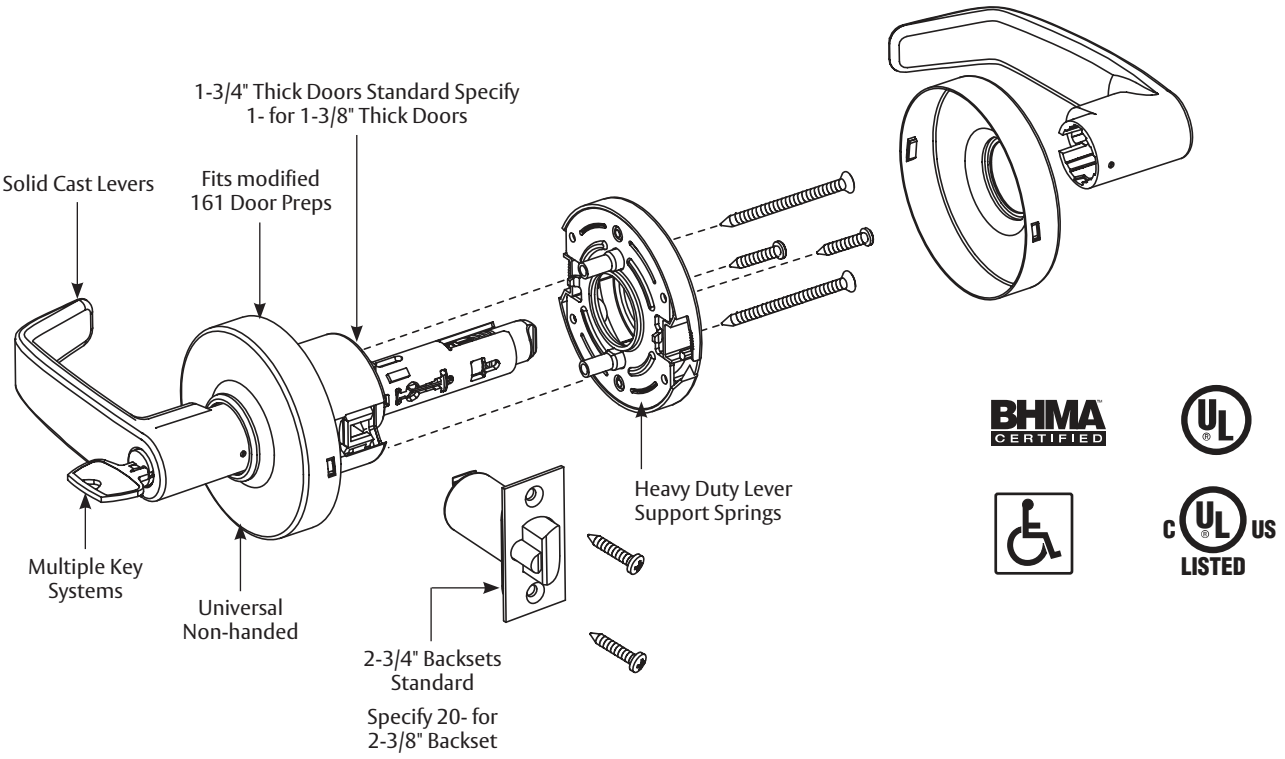
Features, Benefits & Applications

7 Line Cylindrical Lever Locks

Features & Benefits

A key-in-lever lock designed for standard duty commercial exterior and interior doors in offices, commercial interiors, medical clinics, government facilities and public buildings. Exceeds ANSI/BHMA A156.2 Standards for cycling and durability.

"Best Overall Lock in the Grade 2 Class"



BHMA CERTIFIED

UL

C UL US LISTED

Strength and Durability

- Cycle Test: Exceeds 2-1/2 times ANSI/ BHMA A156.2 Grade 2 cycle requirements
- 5 Year limited warranty. No service required

Convenience

- Installs in 1 minute or less
- Non-handed design for ease of installation and efficient warehousing — with standard lever designs (Except G&Y)
- User friendly packaging
- User friendly instruction
- Convenient installation diagram on box

Design

- Solid feel and precise lever action
- Decorative Levers — Coastal Series designs – Gulfport and Yarmouth
- Levers are solid one piece cast construction

Flexibility

- Fits modified 161 door preps. Internal through-bolts supply strength and stability without requiring additional door preparation
- 12 architectural grade finishes
- 10 standard functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Security key systems available (Signature, XC, Keso, and Keso F1)
- Vandal resistant trim optional (FW- option)

Applications

- Standard duty commercial interior & exterior doors
- Offices
- Commercial interiors
- Medical clinics
- Government facilities
- Public buildings

Innovation

- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed

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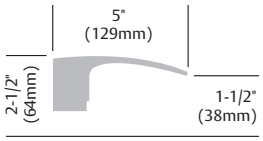
Lever & Rose Designs

7 Line Cylindrical Lever Locks

B Lever Design

- Lever: B — Solid Cast

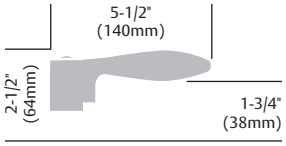




G Lever Design – Coastal Design – Gulfport

- Lever: G — Solid Cast
- Handed

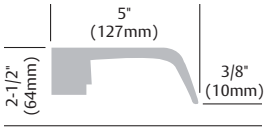




L Lever Design

- Lever: L — Solid Cast

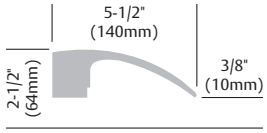




P Lever Design

- Lever: P — Solid Cast

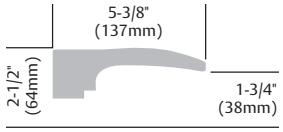




Y Lever Design – Coastal Design – Yarmouth

- Lever: Y — Solid Cast
- Handed

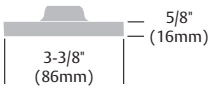




L Rose Design

- Heavy Wrought





Note: All height Dimensions are from the surface of the door.

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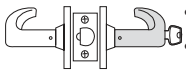
Functions

7 Line Cylindrical Lever Locks

Single Cylinder Functions

04 Storeroom or Closet

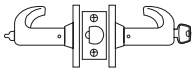
7G04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

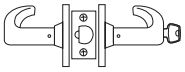
7G05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

37 Classroom

7G37

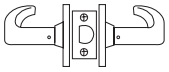


- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- **ANSI/BHMA F84**

Non-Cylinder Functions

15 Passage

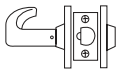
7U15



- Latch by either lever
- **ANSI/BHMA F75**

15-3 Exit or Communicating

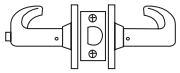
7G15-3



- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 2" required between doors

65 Privacy/Bathroom

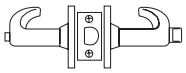
7U65



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screw driver in outside lever and releases inside button
- **ANSI/BHMA F76**

68 Hospital Privacy

7U68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button

93 Single Lever Pull

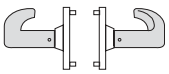
7U93



- For wood or custom hollow metal doors
- Lever and rose attached by two through-bolts and two surface applied screws
- Requires special door preparation — see template

94 Double Lever Pull

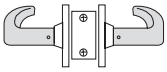
7U94



- For wood or custom hollow metal doors
- Lever and rose both sides by two through-bolts and four surface applied screws
- Requires special door preparation — see template

94-2 Double Lever Pull

7U94-2



- Lever and rose attached by two through-bolts and four surface applied screws
- Dummy latch plate
- Requires special door preparation — see template

Freewheeling Locked Lever Option

- Available the following functions 04, 05, 37, 65 & 68
- Provides protection from vandalism and added security
- Stops in rose prevent the lever from traveling beyond 60° in either direction

Note: Shaded lever indicates it is rigid at all times

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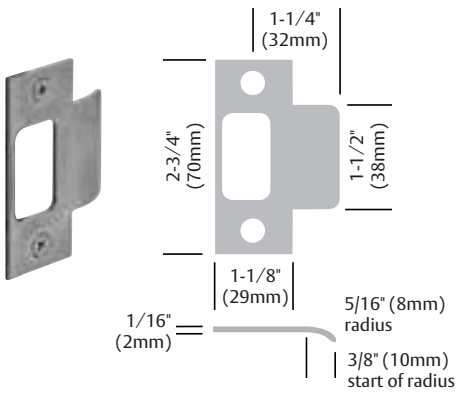
Strikes

7 Line Cylindrical Lever Locks

Strikes

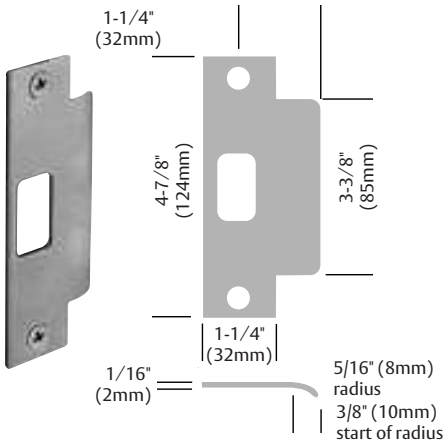
- Finishes: 03, 04, 10, 10B, 10BL, 20D, 32, 32D

2-3/4" Curved Lip Strike – Standard



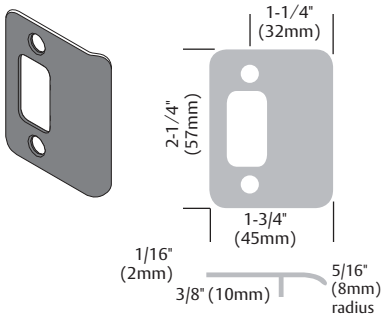
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 1-1/4" (32mm), 1-3/8" (35mm)
  1-5/8" (42mm), 1-7/8" (48mm)
  2-1/8" (54mm), 2-3/8" (60mm)
  2-5/8" (66mm), 2-7/8" (73mm)
- To order strike separately, specify 808 strike x finish x lip length

2-1/4" Full Lip Strike (14- Option)



- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- No other lip lengths available
- To order strike separately, specify: 505 strike x finish

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Mechanical & Cylinder Options

7 Line Cylindrical Lever Locks

Mechanical Options:

Thin Doors	**1-**	Adapter plates for 1-3/8" thick doors
Backset Options	**20-**	2-3/8" Backset Latch with 1" Front, includes shim kits to fit 1-3/8" door
Strike	**14-**	505 Full Lip Strike
	28-	Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Lead lined	**74-**	Lead lined (specify components for inside, outside and/or latch tube)
Tactile Warning Options	**75-**	Tactile Warning — Handicap warning milled on backside of inside lever
	76-	Tactile Warning — Handicap warning milled on backside of outside lever
	77-	Tactile Warning — Handicap warning milled on backside of both levers
	85-	Tactile Warning — Abrasive coating on inside lever
	86-	Tactile Warning — Abrasive coating on outside lever
	87-	Tactile Warning — Abrasive coating on both levers
Freewheeling Trim	**FW-**	Freewheeling locking levers (See page 6 for details)
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
Box Strike	**WBS-**	Wrought Box Strike
CPC- Option	**CPC-**	Clear Powder Coat over 26D – 7G05 x LL x 26D x CPC. All orders will continue to be handled as a "special" when CPC is ordered.

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders supplied Standard (nomenclature not required)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG1-63-65	Degree Level 1 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG2-63-65	Degree Level 2 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**10-**	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC- Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	**11-70-7P-**	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately
	11-73-7P-	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)
	11-65-73- 7P-	Lock provided to accept XC- Uncombinated 7-Pin SFIC (permanent) Core - (packed loose)

Note: Cylinder Options continued on the following page

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Mechanical & Cylinder Options, Packaging & Latches

7 Line Cylindrical Lever Locks

SARGENT® ASSA ABLOY

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered Separately)
Small Format Interchangeable Cores	**70-**	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Lock to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Lock supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (packed loose for field keying)
	65-73-7P-	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose for field keying)
	73-7P-	Lock supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)
Keso & Keso F1	**80-**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided
	82-	Lock provided with SARGENT Keso Security Cylinder
	F1-82-	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Accepts Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided
	SF-	L Lever to accept Schlage Large Format Interchangeable Core (supplied less core, tailpiece included)

Note: To order the 7 Line lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Packaging

7G04 x LL
4.3 lbs (1.95 kg)
1 box
41 lbs (18.6 kg)
10 boxes/case

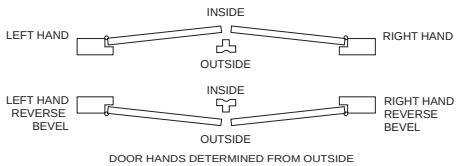
6 Lobe and Spanner Bit Packs

82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

Latches

Part No.	Description (backsets)
07-2430	2-3/4" (70mm) standard (deadlocking latch)
07-2432	2-3/4" (70mm) standard (latch)
07-2431	2-3/8" (60mm) 20 Prefix (deadlocking latch)
07-2433	2-3/8" (60mm) 20 Prefix (latch)

Hand



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How to Order, Architectural Specifications & Finishes

7 Line Cylindrical Lever Locks

SARGENT® ASSA ABLOY

How to Order

10	10-28-	7G05	L	Y	RH	15	Door 3
Quantity	**Options***	**Lock & Function**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 7-8 (Note: 28- for 808 ANSI Strike)	Available Functions Pg 5	Only Available with the L Rose	Available Levers B, Y, L, P & G	RH, LH, RHR, LHR	Available Finishes Pg 6	Such as Item, Heading Number, Door Number, Keyset

* Multiple Options may be selected

Finish	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark oxidized satin bronze — equivalent	613E
10BL	Oxidized satin, bronze, clear coated	614
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black Suede Powder Coat	—
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)	
CPC- Option	Clear Powder Coat over 26D – 7G05 x LL x 26D x CPC All orders will continue to be handled as a "special" when CPC is ordered.	
Zinc levers are plated to match ANSI/BHMA finish. Split finishes available. Specify outside finish first. Custom colors available, consult factory first.		

Suggested Architectural Specifications - 2.0 Bored Locks

A. Locks shall be 7 Line as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks must be certified ANSI/BHMA A156.2 Series 4000, Grade 2
- and shall meet or exceed 2-1/2 times the cycle requirements of ANSI/BHMA A156.2 Series 4000, Grade 2 with all standard trims.
C. Locks shall be non-handed with bi-directional lever operation, except the "G" and "Y" lever designs.
D. Lock levers shall be made of solid material.
E. Lock shall be available in a minimum of five lever designs.
F. Locks shall comply with UL10C positive pressure requirements.
G. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hour (A label) and less.
H. Locks shall mount in a standard 161 door prep (2-1/8 inch dia.) without additional through-bolt preps.
I. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.
J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.
K. Locks shall have brass 6-Pin cylinder, standard.
L. Provide two, nickel silver keys with each lock.
M. Locks shall have a five year limited warranty.

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

SARGENT®

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New Haven, CT 06511 USA
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www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90110 12/18

Product Catalog

SARGENT
ASSA ABLOY

6500 Series
Cylindrical Lever Lock



Experience a safer
and more open world

Specifications

6500 Series Cylindrical Lever Lock

SARGENT
ASSA ABLOY

65G05 Shown



A standard duty key-in-lever lock designed to exceed the requirements of ANSI A156.2, Series 4000 and Grade 2.

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) only
Backset	2-3/4" (70mm) standard 2-3/8" (60mm) optional (20- option)
Cylindrical Housing	Steel zinc dichromate finish
Front	Wrought brass and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm)
Strike	800 Curved Lip, Brass or Stainless Steel Standard 808 ANSI Curved Lip available (28- option) 505 Full Lip strike available (14- option)
Hand	Universal, non-handed
Latch	Brass 1/2" (13mm) throw
Keys	Two, nickel silver
Cylinder	Brass, 6- pin, LA keyway standard
Finishes	3, 4, 10, 10B, 10BE, 26, 26D
Door Prep	ANSI A115.2 (161) Modified
Minimum Stile	4-1/2" (114mm)

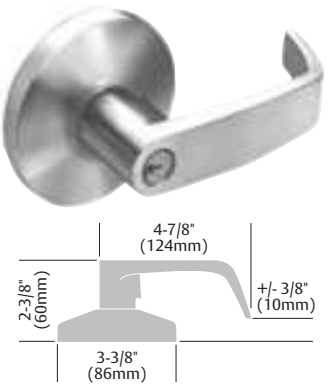
Certification Compliance

ANSI/BHMA	Meets ANSI A156.2 Series 4000 — Grade 2
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

KL Design

- Rose: K — Wrought
- Lever: L — Cast

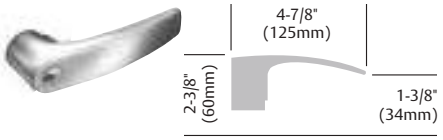


Special Orders

The B & P Levers, the 15-3 function and split finishes are available as special orders, please contact SARGENT for details

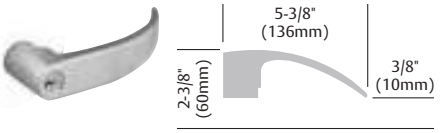
B Lever Design

- Lever: B — Solid Cast

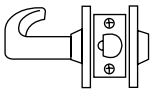


P Lever Design

- Lever: P — Solid Cast



15-3 Exit or Communicating



6G15-3

Split Finishes

- Split Finishes on all functions

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Windstorm Certifications

6500 Series Cylindrical Lever Lock

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 6500 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

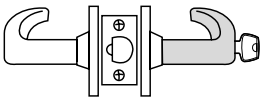
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Functions

6500 Series Cylindrical Lever Lock

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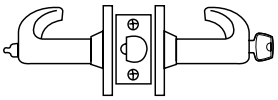
04 Storeroom or Closet



65G04

- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

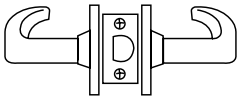
05 Entrance or Office



65G05

- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

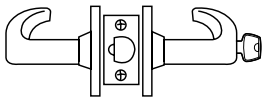
15 Passage



65U15

- Latch by either lever
- **ANSI/BHMA F75**

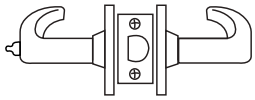
37 Classroom



65G37

- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever
- Inside lever always operative
- **ANSI/BHMA F84**

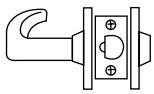
65 Privacy/Bathroom



65U65

- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver outside lever and releases inside button
- Bathroom key supplied only when ordered separately
- **ANSI/BHMA F76**

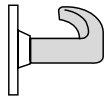
15-3 Exit or Communicating (Special Order)



65G15-3

- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/2" (38mm) between double doors

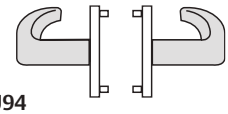
93 Single Lever Pull



65U93

- For wood or custom hollow metal doors
- Lever and rose attached by three surface applied screws

94 Double Lever Pull



65U94

- For wood or custom hollow metal doors
- Lever and rose both sides through-bolted and three surface applied screws each side

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How to Order, Finishes & Strikes

6500 Series Cylindrical Lever Lock

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How to Order:

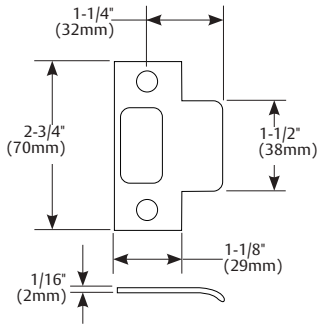
28	65	G05	K	L	26D
Options	Line	Functions	Rose	Lever	Finish
Page 5		G04			Below
		G05			
		U15			
		G37			
		U65			
		U65			
		U94			

2-3/4" Curved Lip Strike Standard

Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip.

To order strike separately, specify 800 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.

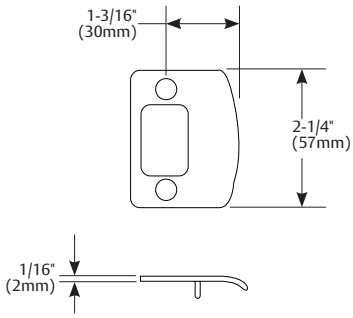
Lip lengths – 1" (25mm), 1-1/4" (32mm), 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)



2-1/4" Full Lip Strike (14- Option)

Lip length 1-3/16" only

To order strike separately, specify 505 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.

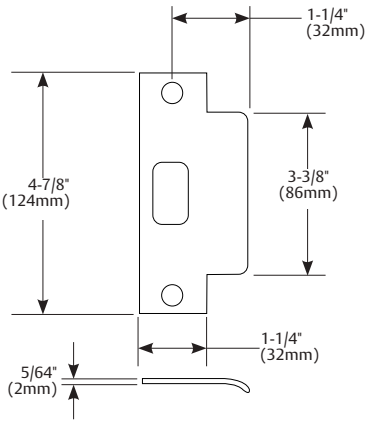


4-7/8" Curved Lip Strike (28- Option)

Conforms to ANSI standard. Curved lip regularly furnished.

To order strike separately, specify 808 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.

Lip lengths — 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (41mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (67mm), 2-7/8" (73mm)



Packaging

65G05 KL	4 lbs.	1/box
65G05 KL	41 lbs.	10 boxes/case

Latch Assemblies

05-2184	2-3/8" (60mm), 20 option (deadlocking latch)
05-2185	2-3/8" (60mm), 20 option (latch)
05-2182	2-3/4" (70mm), standard (deadlocking latch)
05-2183	2-3/4" (70mm), standard (latch)

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Functions

6500 Series Cylindrical Lever Lock

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Mechanical Options

Strike	14-	Full Lip strike # 505
Backset Options	20-	2-3/8" Backset
Strike	28-	4-7/8" Curved Lip Strike
Tactile Warning Options	85-	Tactile Warning on back side of inside lever
	86-	Tactile Warning on back side of outside lever
	87-	Tactile Warning on back side of inside & outside lever

Cylinder Options

Cylinder Type	Option	Description
Conventional Cylinder	Std	Std
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG1-63-65-	Degree Level 1 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG2-63-65-	Degree Level 2 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	10-**	SARGENT Signature Key System (not available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

Note: To order the 6500 Cylindrical Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: When tying into existing key systems contact Key Records for compatibility

** Available to match existing key systems, not recommended for grade 2 applications

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Functions

6500 Series Cylindrical Lever Lock

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Cylinder Options (continued)

XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic core provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder – (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	11-70-7P	11-70-7P Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core — (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	LC-	Lock supplied less Cylinder
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Cylinder Type	**Option**	**Description**
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), disposable plastic core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) Permanent Core (ordered separately)
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC permanent cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (permanent core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)
	65-73-7P	Hardware provided to accept Uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)
	73-7P	Hardware supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)

Note: To order the 6500 Cylindrical Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482
Note: When tying into existing key systems contact Key Records for compatibility

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90111 03/20

Product Catalog

SARGENT
ASSA ABLOY

8X Line
Cylindrical Knob Locks



ASSA ABLOY, the global leader
in door opening solutions

SARGENT®
ASSA ABLOY

Specifications

8X Line Cylindrical Knob Locks

Features and Benefits. 3
Functions, Knob and Rose Design. 4
Latches and Strikes 5
Mechanical Options and Cylinder Options 6
How to Order, Finishes/Packaging and Architectural Specifications 7

Specifications

Door Thickness	1-3/8" (35mm) – 2"(51mm). Factory preset to 1-3/4" (44mm)
Backsets	2-3/4" (70mm) standard
Front	Heavy wrought brass or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel
Strike	Heavy wrought brass or stainless steel 808 ANSI curved lip strike standard, (specify 28-) 800 curved lip strike optional
Hand	Universal, not handed
Knob	Heavy wrought brass or stainless steel
Roses	Heavy wrought brass or stainless steel
Latch	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be masterkeyed or grand masterkeyed Construction key systems available
Finishes	03, 10BE, 32D
Door Prep	ANSI/BHMA A156.115 (US 161)
Minimum Stile	4-1/2" (114mm) with 2-3/4" backset

Certification Compliance

ANSI/BHMA	Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
UL-cUL	UL and cUL Listed to U.S.A. and Canadian safety standards. Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

On the Cover

SARGENT 8XG05 X LB X 32D
Entry Lock with L rose and B knob in Satin Stainless Steel

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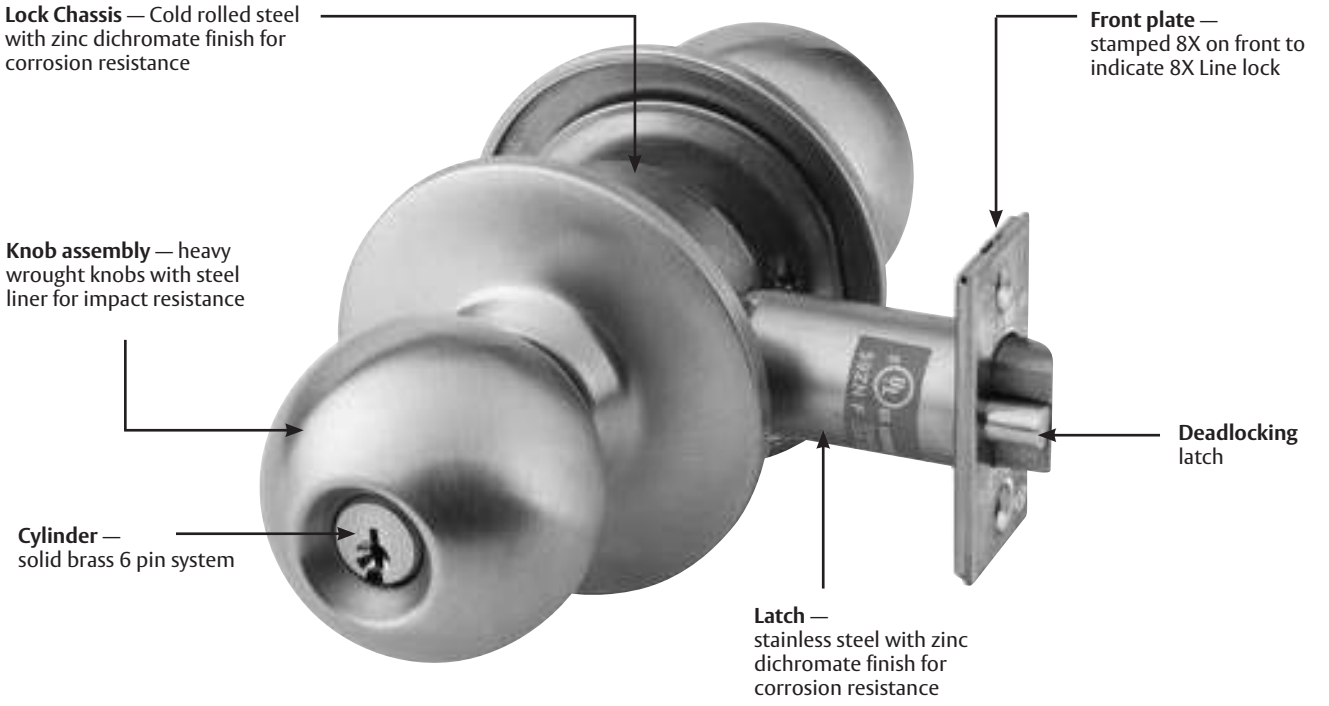
Features & Benefits

8X Line Cylindrical Knob Locks

Features & Benefits

The SARGENT 8X line is designed and tested for robust applications. The Grade 1 bored-in lock is a worry free solution.

BHMA CERTIFIED



8XG05 x LB Shown

Features & Benefits

Durability

- Certified to ANSI/BHMA A156.2 Series 4000 Grade 1

Flexibility

- Suitable for 1-3/8" – 2" thick doors
- Latches are reversible, self-adjusting to door bevel
- Accepts SARGENT standard, Signature and Degree® cylinders
- Available in 3 finishes
- Accurate alignment, smooth operation and reversibility of the lock without disassembly of knob and cylinder
- Versatile design to satisfy door requirements, making installation easy for new construction, as well as retrofits and renovations
- Design accommodates common door preps and satisfies all door handing
- Maintain and expand master keying systems' versatility for multiple levels of security
- Handles virtually all interior and exterior applications

Applications

- High traffic areas
- Hospitals
- Commercial buildings

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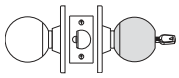
Functions,Knob and Rose Design

8X Line Cylindrical Knob Locks

Single Cylinder Functions

04 Storeroom or Closet

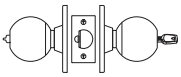
8XG04



- Key outside retracts latch
- Knob outside rigid at all times
- Knob inside retracts latchbolt
- Deadlocking latch
- **ANSI/BHMA F86**

05 Entrance or Office

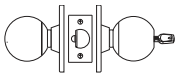
8XG05



- Latch by either knob unless outside knob is locked by turn button in inside knob
- Turn button released by key outside or knob inside
- Turn button must be released manually
- Key retracts latch when outside knob is locked
- Deadlocking Latch
- **ANSI/BHMA** F109

37 Classroom

8XG37



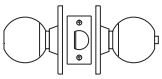
- Key outside locks or unlocks knob outside
- Knob outside retracts latch unless locked
- Knob inside always retracts latch
- Deadlocking latch
- **ANSI/BHMA F84**

♦ Use only on rooms with more than one exit.

Non-Cylinder Functions

65 Privacy/Bathroom

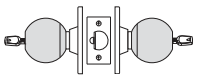
8XU65



- Either knob retract latch unless outside knob is locked by push button
- Push button is released by turning inside knob or closing the door
- Emergency release in outside knob unlocks outside knob with use of a blade screw driver or emergency key and releases inside button
- **ANSI/BHMA F76A**

♦17 Utility, Asylum or Institution

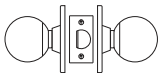
8XG17



- Key from either side retracts latch
- Both knobs rigid at all times
- Deadlocking latch
- **ANSI/BHMA F87**

15 Passage

8XU15



- Either knob retracts latch
- **ANSI/BHMA F75**

93 Single Knob Pull

8XU93

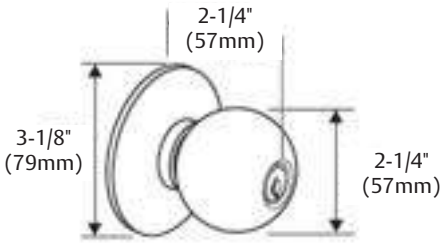


- Knob always rigid
- No latch included
- Surface mounted

LB Design

- Rose: L – Heavy Wrought
- Knob: B – Heavy Wrought





Knob projections shown are for 1-3/4" (44mm) thick doors and will vary by door thickness.

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Latches and Strikes

8X Line Cylindrical Knob Locks

Latch Assemblies

Part	Type	Function
Standard 2-3/4" (70mm) Backset		
08-5282	Plain Latch	15, 65
08-5283	Deadlocking Latch	04,05,17,37

Screw Pack

Includes the following:

- 2 each 5M-.8 x 31 Phillips Flat Machine Screws
- 2 each 6M x 20 Combination Screws
- 2 each 4M x 20 Combination Screws
- To order separately, specify 08-5285
- Finishes: 03, 10BE, 32D

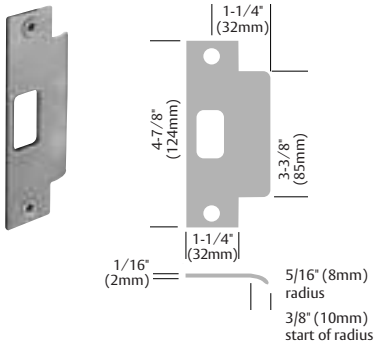
Latches

- To order latch with lock, specify option. Example: 28-8XG05 x OB x 26D x 2-3/4" (70mm) backset
- To order latch separately, specify: part number x finish (see table above)
- Front size: 2-1/4" (57mm) x 1-1/8" (29mm)
- Finishes: 03, 10BE, 32D

Strikes

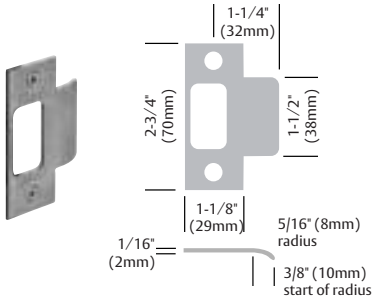
- To order strike separately, specify: strike x finish x lip length
- Finishes: 03, 10BE, 32D

4-7/8" Curved Lip Strike: (28- Option)



- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm)
- To order strike separately, specify 808 strike x finish x lip length
- To order strike box, specify 77-1141 x finish

2-3/4" Curved Lip T- Strike — Available Separately



- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths : 7/8" (22mm), 1" (25mm), 1-1/4" (32mm), 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- To order strike separately, specify 800 strike x finish x lip length
- To order strike box, specify AM-0044 x finish

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Mechanical Options and Cylinder Options

8X Line Cylindrical Knob Locks

Mechanical Options:

Strike	**28-**	Strike #808. Lip length 1-1/4". Other lip lengths available by separate order.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Box Strike	**WBS-**	Wrought Box Strike

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required) 0.226"
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-65-	Degree Level 1 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-65-	Degree Level 2 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
Signature Key System	10-	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC Construction Key System (Lost Ball)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Less Cylinder	LC-	Lock supplied less Cylinder

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How to Order, Finishes/Packaging & Architectural Specifications

8X Line Cylindrical Knob Locks

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How To Order

Specify	Note	Example
Quantity	Number Ordered	1 Qty
*Option	Additional Feature	1 Qty 36-28-
Lock Function	See Functions	1 Qty 36-28-8XG05
Trim Design	Rose x Knob	1 Qty 36-28-8XG05 LB
Finish	See Finishes	1 Qty 36-28-8XG05 LB 32D
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty 36-28-8XG05 LB 26D x Item 01 x DRL201 x Keyset AA3

*Can choose multiple options

Packaging

28-8XG05 x LB x 32D
3 lbs (1.4kg)

Finishes

US Finish	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
10BE	Dark Oxidized Satin Bronze — equivalent	613E
32D	Satin stainless	630

Suggested Architectural Specifications

2.1 Heavy Duty Bored Lock

A. All bored knob locks shall be provided by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall be certified ANSI A156.2 Series 4000, Grade 1.

C. Locks shall be completely reversible without disassembly of cylinder and knob.

D. Locks shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep). Standard rose size shall be 3-1/8" (79 mm) diameter.

E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m)

F. Latch shall be minimum 1/2" (13mm) throw.

G. Locks shall have 2-3/4" (70 mm) backset, standard.

H. Locks shall have brass 6-pin cylinder, standard.

I. Provide two Nickel Silver keys with each lock.

J. Locks shall have a three year limited warranty.

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800-727-5477
www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90820 12/18

Product Catalog

SARGENT
ASSA ABLOY

6 Line
Bored Lock



SARGENT®
ASSA ABLOY

Specifications

6 Line Knob Lock

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Features & Benefits 3
Knob & Rose Designs 4
Functions 5-6
Latches 7
Retrofit Options 8
Strikes 9
How to Order, Finishes, Packaging, Architectural Specifications 10
Options 11

Specifications

For Doors	1-3/8" (35mm) thick door adjustable to 1-3/4" (44mm)
Backsets	2-3/8" (60mm) x 1" (25mm) standard 2-3/4" (70mm) x 1" (25mm) backset available (17- option) 2-3/4" (70mm) x 1-1/8" (29mm) backset available (24- option) 3-3/4" (95mm) x 1-1/8" (29mm) backset available (23- option)
Bored Housing	Steel, zinc dichromate finish
Front	Wrought brass or bronze 2-1/4" (57mm) x 1" (25mm) standard — other options available
Strike	Wrought brass, bronze or stainless steel 800 curved lip strike standard 808 curved lip ANSI strike (28- option) 505 Radius/full lip strike (14- option) Wrought box strike available (WBS option)
Hand	Non-cylinder locks — non-handed Cylinder type locks — reversible in field
Knobs	Heavy wrought brass or bronze
Roses	Heavy wrought brass or bronze
Latch	Brass x 1/2" (13mm) throw
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	3, 4, 10, 10B, 10BE, 26, 26D
Door Prep	160 Standard Door Prep, Specify 24- for 161 Door Prep
Minimum Stile	4" (102mm) with B and O roses 4-1/2" (114mm) with E and L roses

Certification Compliance

ANSI	Certified ANSI A156.2 Series 4000 — Grade 2
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

On the Cover

6G05 x BS

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

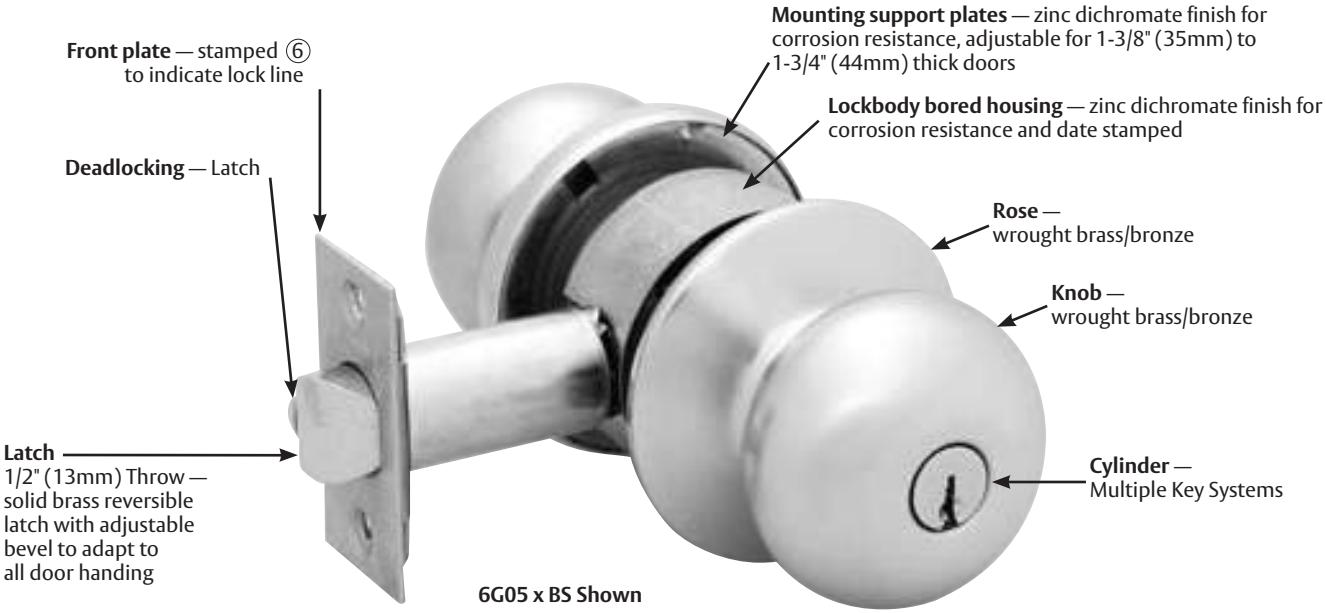
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Features & Benefits

6 Line Knob Lock

Features & Benefits



6G05 x BS Shown

The 6 Line is a highly styled standard duty lock line incorporating a broad spectrum of functions, designs and finishes built and certified to ANSI/BHMA 156.2 Series 4000 Grade 2. It is ideally suited for fine homes, apartments, hotels and commercial buildings.

Versatility

- Lockbody fits doors from 1-3/8" (35mm) to 1-3/4" (44mm) thick
- Latches are available in 4 standard backsets
- Non-handed or field reversible
- Fits ANSI 115.2 (160) door prep
- Multiple latches and strike options available including radius/round applications
- Wide variety of functions and options

Quality

- Complements and blends with trim designs of other SARGENT locks for unified appearance
- Certified ANSI A156.2 Series 4000 — Grade 2
- Accepts SARGENT standard and high security core cylinders
- Quality finishes with split finishes optional
- Fire Code compliance with all functions depending on application
- MicroShield® permanent silver-base antimicrobial coating.

Convenience

- Installs with just two lockbody screws for easy installation and maintenance
- Mix rose and knob designs for a custom look — 2 knob and 4 rose designs

Applications

- Standard duty commercial buildings
- Offices
- Apartment buildings
- Hotel/Motel
- Residential housing
- Retail
- Churches
- Warehouses

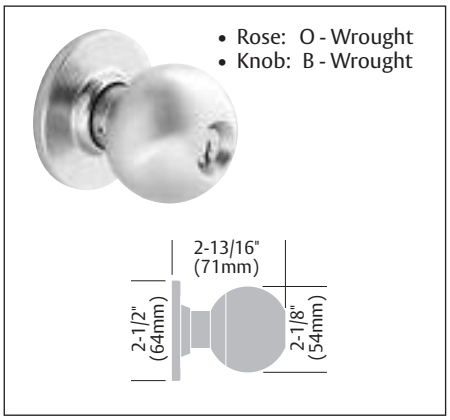
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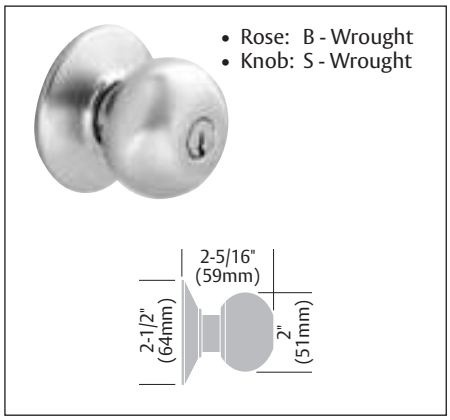
Knob & Rose Designs

6 Line Knob Lock

OB Design



BS Design



Knob projections shown are for 1-3/4" (44mm) thick doors and will vary by door thickness.

Available with split knob design; specify outside trim design first on order.

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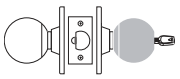
Functions

6 Line Knob Lock

Single Cylinder Functions

04 Storeroom or Closet

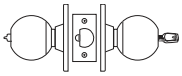
6G04



- Deadlocking latch
- Latch retracted by knob inside or key outside
- Outside knob rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

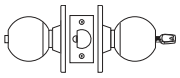
6G05



- Deadlocking latch
- Latch retracted by either knob unless outside knob is locked by turn button in inside knob
- Turn button must be released manually
- Key retracts latch when outside knob is locked
- **ANSI/BHMA F81**

24 Entry or Office

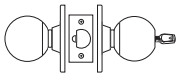
6G24



- Deadlocking latch
- Latch retracted by either knob unless outside knob is locked by push button in inside knob
- Push button released by key or turning inside knob
- Closing door does not release outside knob or button
- Key in outside knob retracts latch and releases inside button
- **ANSI/BHMA F82**

37 Classroom

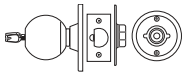
6G37



- Deadlocking latch
- Latch retracted by either knob unless outside knob is locked by key
- Key in outside knob locks or unlocks outside knob
- **ANSI/BHMA F84**

38-2 Twin Communicating

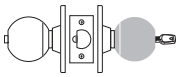
6G38-2



- Deadlocking latch
- Latch retracted by inside knob or T-turn
- Key in inside knob locks or unlocks both inside knob and outside T-turn
- For 1-3/8" (35mm) or 1-3/4" (44mm) thick doors only. Must specify when ordering
- Minimum clearance of 1-1/2" (38mm) required between doors

50 Hotel, Dormitory or Apartment

6G50



- Deadlocking latch
- Latch retracted by key outside and knob inside
- Outside knob always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside knob which automatically reactivates all keys and retracts visual occupancy indicator
- Lockout key fixes push button in locked position, shutting out all keys except emergency and is not released by turning inside knob
- Lockout key provided
- See option page for restrictions to 50 function
- **ANSI/BHMA F93**

NOTE: Shaded knob indicates it is rigid at all times.

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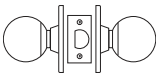
Functions

6 Line Knob Lock

Non-Cylinder Functions

15 Passage

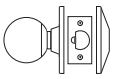
6U15



- Latch retracted by either knob
- **ANSI/BHMA F75**

15-3 Exit or Twin Communicating

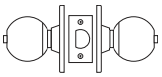
6G15-3



- Deadlocking latch
- Latch retracted by knob inside
- Blank rose outside
- For 1-3/8" (35mm) or 1-3/4" (44mm) thick doors only
- Minimum clearance of 1" (25mm) required between doors

65 Privacy/Bathroom

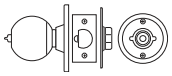
6U65



- Latch retracted by either knob unless outside knob is locked by push button in inside knob
- Turning inside knob or closing door releases button
- Emergency key or flat blade screwdriver in the emergency button releases the inside button and unlocks the outside knob
- Emergency key supplied only when ordered separately (14-0300)
- **ANSI/BHMA F76**

75-2 Twin Communicating

6G75-2



- Deadlocking latch
- Latch retracted by inside knob or T-turn outside
- Turning button in inside knob locks both inside knob and outside T-turn
- For 1-3/8" (35mm) or 1-3/4" (44mm) thick doors only. Must specify when ordering
- Minimum clearance of 1-1/2" (38mm) required between doors

93 Single Knob

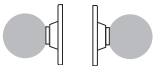
6U93



- For wood or custom hollow metal doors
- Knob and rose attached by surface applied screws (hidden)
- Not available with E or L Rose designs
- Requires special door preparation — see template

94 Double Knob

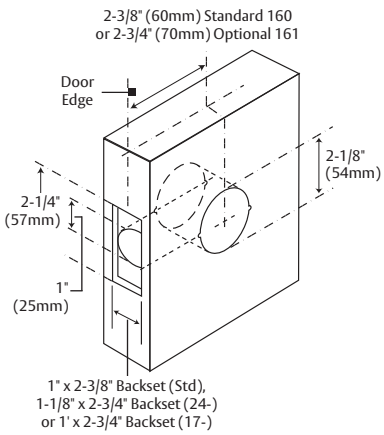
6U94



- For wood or custom hollow metal doors
- Knob and rose attached both sides by surface applied screws each side (hidden)
- Not available with E or L Rose designs
- Requires special door preparation — see template

NOTE: Shaded knob indicates it is rigid at all times.

Door Prep



If weather stripping, acoustical materials or silencers are used on the door or frame, care must be taken in the installation so that it will not interfere with the ease in which the latch enters the strike.

14-0299 Lockout Key



- Provided with 50 function

14-0300 Emergency Key



- Provided with 65 function
- Emergency key provided only when ordered separately

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Latches

6 Line Knob Lock

Latch Assemblies

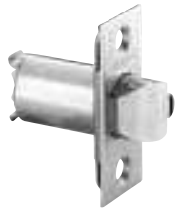
PART	TYPE	OPTION/BACKSET	FRONT
06-5083	Deadlocking Latch	Standard 2-3/8" (60mm)	2-1/4" x 1" (57mm x 25mm)
06-5225	Non Deadlocking Latch	"	"
06-5085	Deadlocking Latch	13- Option 2-3/8" (60mm)	1/4" Radius Corner (6mm)
06-5227	Non Deadlocking Latch	"	"
*06-5100	Deadlocking Latch	15- Option 2-3/8" (60mm)	Drive in type (26D finish only)
06-5102	Deadlocking Latch	17- Option 2-3/4" (70mm)	2-1/4" x 1" (57mm x 25mm)
06-5234	Non Deadlocking Latch	"	"
06-5096	Deadlocking Latch	23- Option 3-3/4" (95mm)	2-1/4" x 1-1/8" (57mm x 29mm)
06-5232	Non Deadlocking Latch	"	"
06-5094	Deadlocking Latch	24- Option 2-3/4" (70mm)	2-1/4" x 1-1/8" (57mm x 29mm)
06-5231	Non Deadlocking Latch	"	"

* Not UL listed

Latches

- To order latch separately, specify: part number x finish (see table above)
- Front size: 2-1/4" (57mm) x 1" (25mm) Unless Otherwise Specified

2-3/8" (60mm) Backset Latch — Standard



- Shipped standard with keyed locks, deadlocking
- 15 and 65 functions are not deadlocking
- Deadlocking Latch: 06-5083
- Non Deadlocking Latch: 06-5225
- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D

13- Option: Radius Latch & Strike 1/4" (6mm)



- Deadlocking Latch: 06-5085
- Non Deadlocking Latch: 06-5227
- Finishes: 3, 4, 10, 10B, 10BE, 32D
- To order latch with lock, specify 13- option
  Example: 13-6G05 x OB x 32D

15- Option: Drive-in Latch



- 1" (25mm) diameter
- 2-3/8" backset only
- Deadlocking Latch: 06-5100
- Available in 32D Only
- To order latch with lock specify 15- option
  Example: 15-6G05 x OB x 32D

17- Option: 2-3/4" (70mm) Backset x 1" Front



- Front Size: 2-1/4" (57mm) x 1" (25mm)
- Deadlocking Latch: 06-5102
- Non Deadlocking Latch: 06-5234
- Finishes: 3, 4, 10, 10B, 10BE, 32D
- To order latch with lock, specify 17- option
  Example: 17-6G05 x OB x 32D

23- Option: Extended Backset Latch



- Front Size: 2-1/4" x 1-1/8" (57mm x 29mm)
- 3-3/4" (95mm) backset
- Deadlocking Latch: 06-5096
- Non Deadlocking Latch: 06-5232
- Finishes: 3, 4, 10, 10B, 10BE, 32D

24- Option: 2-3/4" (70mm) Backset x 1-1/8" Front



- Front Size: 2-1/4" x 1-1/8" (57mm x 29mm)
- Deadlocking Latch: 06-5094
- Non Deadlocking Latch: 06-5231
- Finishes: 3, 4, 10, 10B, 10BE, 32D
- To order latch with lock, specify 24- option
  Example: 24-6G05 x OB x 32D

530 Kit: Rabbeted Front and Strike



- Order as 530 x finish
- Filler plate 2-1/4" (57mm) x 1-1/8" (29mm)
- For 1" (25mm) fronts only
- Finishes: 3, 10, 10B, 10BE, 26, 26D

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Retrofit Options

6 Line Knob Lock

SARGENT 6010 Replacement Kit — for 7600 Integra Locks


Sub Front


800 Strike


808 Strike

- For installation of 6 Line with 2-3/4" (17-) backset to replacing old 7600 Integra locks in wood doors
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 15, 20D, 26 and 26D
- Replacement Kit consists of:

Quantity	Item	Item Number	Size
1	Sub Front	08-0562 x finish	4-1/4" (108mm) x 1-1/4" (32mm)
1	Strike **(must specify 800 or 808)**	800 x finish (with screws) 808 x finish (with screws)	2-3/4" (70mm) x 1-1/4" (32mm) x 1-1/4" (31mm) 4-7/8" (121mm) x 1-1/8" (29mm) x 1-1/4" (31mm)
1	Strike Box	08-0055 77-1141	For 800 Strike For 808 Strike (ANSI)
2	Sub Front Screws	01-5001	#10-24 x 3/4" (19mm)

NOTE: Strikes will <u>not</u> retrofit for strikes 4-1/4" (108mm) x 1-1/8" (29mm) x 1-1/4" (32mm)
Lock will not retrofit for lock front plate size 5-1/4" (133mm) x 1-1/4" (32mm) – 36-7600 locks

Cover Plates



Cover Plate
3" (76mm) x 12" (305mm)
Order: 06-0037 x finish
(2 qty. required)

Screws
Order: 01-2037 x finish
(8 qty. required)

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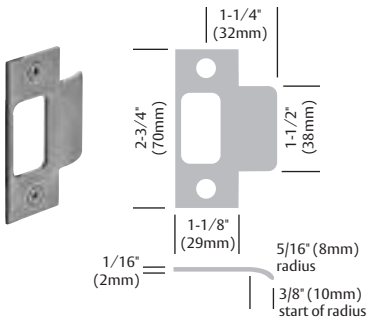
Strikes

6 Line Knob Lock

Strikes

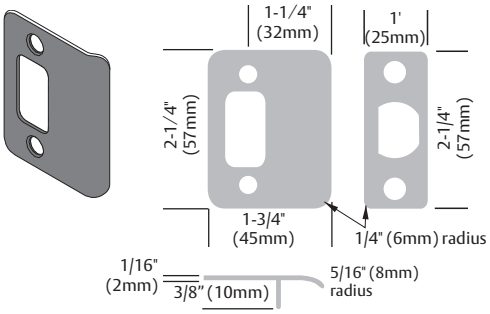
- Strike finishes: 03, 04, 10, 10B, 10BL, 20D, 32, 32D
- Lock with 26 finish is supplied with 32 strike; 26D lock is supplied with 32D strike

2-3/4" Curved Lip Strike – Standard



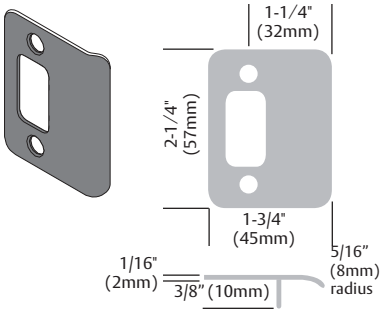
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 7/8" (22mm), 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- To order strike separately, specify 800 strike x finish x lip length

13- Option: 2-1/4" Full Lip Strike & Latch



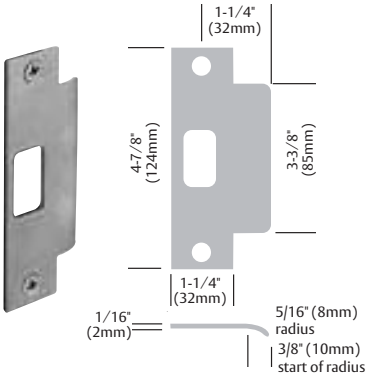
- To order strike separately, specify: 505 x finish
- Adjustable tab to reduce door movement when latch engaged in strike standard
- Latch finishes: 3, 4, 10, 10B, 10BE, 32D

14- Option: 2-1/4" Full Lip Strike



- To order strike separately, specify: 505 x finish
- Adjustable tab to reduce door movement when latch engaged in strike standard

28- Option: 4-7/8" Curved Lip Strike



- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm)
- To order strike separately, specify 808 strike x finish x lip length
- Wrought box not provided, order separately as WBS option.

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How to Order, Finishes, Packaging, Architectural Specifications

6 Line Knob Lock

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How to Order

Specify	Note	Example
Quantity	Number Ordered	**1 Qty**
*Option(s)	Additional Feature	1 Qty **28-**
Lock Function	See Functions	1 Qty 28-**6G05**
Trim Design	Rose x Knob	1 Qty 28-6G05 **OB**
Finish	See Finishes	1 Qty 28-6G05 OB **26D**
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty 28-6G05 OB 26D x **Item 01 x DRL201 x Keyset AA3**
Hand	Non-Handed	

* Can choose multiple options

Finishes

Finish	Description	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze – equivalent	613E
26	Polished chrome	625
26D	Satin chrome	626
SG	MicroShield® antimicrobial clear powder coat (only available with 26D finish)	
Split finishes available. Specify outside finish first		

Packaging

6G05 x OB
Approximately 2 lbs. 10 oz./box (1.2 kg)
10 boxes/case

6 Lobe & Spanner Bit Packs

Part Number	Description
82-3855	6 Lobe Bit Pack 7 Bits (Sizes: T8, T9, T10, T15, T20, T25, T27) Requires 9/32" (7mm) Driver
82-3856	Spanner Bit Pack 5 Bits (Sizes: 6, 8, 10, 12, 14) Requires 1/4" (6mm) Driver

Suggested Architectural Specifications

2.1 Standard Duty Bored-in Lock

A. All bored knob locks shall be manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall be certified ANSI A156.2 Series 4000, Grade 2.

C. Locks shall be completely reversible.

D. Locks shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep) without the use of through-bolts.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Latch shall be minimum 1/2" (13mm) throw, UL Listed.

G. Locks shall have 2-3/8" (70 mm) backset, standard.

H. Locks shall have brass 6-pin cylinder, standard.

I. Locks shall have a one year limited warranty.

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Options

6 Line Knob Lock

Mechanical Options:

Strike	**13-**	1/4" radius latch front 2-1/4" x 1" & strike (2-3/8" backset only)
	14-	505 Full Lip Strike
	28-	Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only
Backset Options	**15-**	Drive-in deadlocking latch x 2-3/8" backset and 26D only
	17-	2-3/4" Backset x 2-1/4" x 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front
	24-	2-3/4" Backset x 2-1/4" x 1-1/8" Front
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
Box Strike	**WBS-**	Wrought Box Strike

Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders supplied Standard (nomenclature not required)
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
Signature Key System	**10-**	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	**11-**	XC- Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

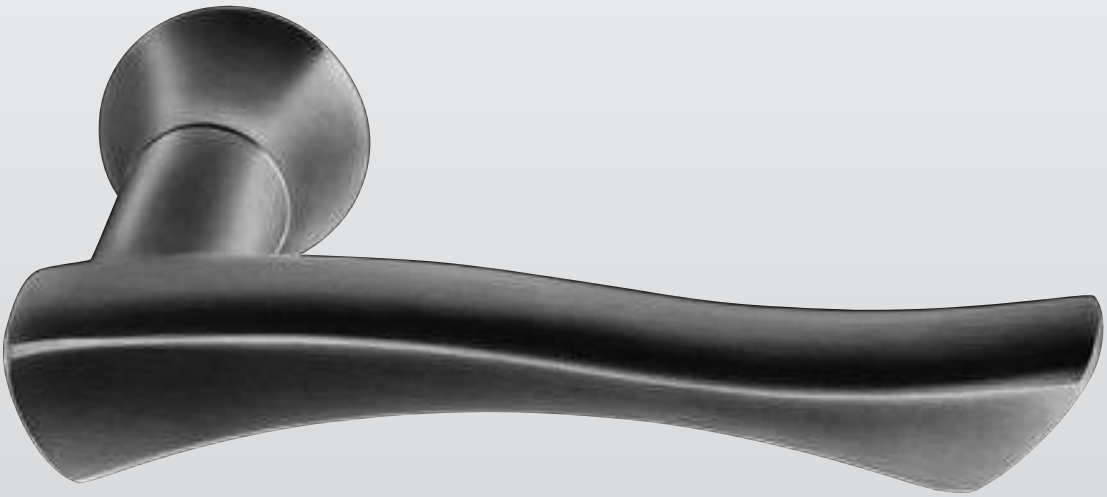
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Product Catalog

SARGENT
ASSA ABLOY

DL Series
Tubular Lock



Experience a safer
and more open world

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DL Series Tubular Locks

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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90102 03/21

On The Cover: Simplí™ Roseless Trim with MQ lever

Experience a safer and more open world

Specifications, Functions & Options

DL Series Tubular Locks

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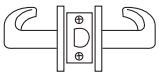
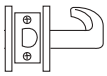
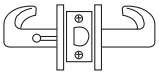
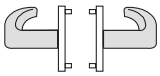
DL Series Tubular Lock

The DL Series tubular lock is designed for ease of installation with the quality you expect from the SARGENT name. The DL Series exceeds the expectations of the most demanding architects and design professionals. All Studio Collection and Coastal Series levers, as well as standard levers, can be used with the DL. Ideal interior applications include hotel guest rooms, high-end apartments, and condominiums.

General Information

- For doors 1-3⁄8" (35mm) to 1-3⁄4" (44mm) thick standard
- 2-3/4" (70mm) Backset standard with square corner front, 2-1/4" x 1-1/8" (57mm x 29mm) (specify 20- for 2-3/8" (60mm) backset)
- ANSI Standard 161 Door Prep (Except 93 & 94)
- Latchbolt brass 1⁄2" (13mm) projection
- Specify hand of lock on order; easily field reversible
- Warranty: 1 Year

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Description	Series & Function	
• Both levers retract latch • Ideal for closets & bedrooms	DLU15 Passage	
• Blank rose outside • Lever retracts latch	DLU15-3 Communicating	
• I/S lever always retracts latch • O/S lever retracts latch, except when locked by inside push button • Closing door unlocks outside lever • Includes emergency release • Ideal for bathrooms & home offices • Not available with H008, H009, and H011 levers	DLU65 Privacy	
• Lever always rigid • No latch included • Ideal for pantries & closets • Surface Mounted*	DLU93 Single Lever Pull	
• Levers always rigid • No latch included • Ideal for sliding doors • Through-bolted	DLU94 Double Lever Pull	

* DLU93 Single Lever Pulls are recommended for use on solid wood or metal doors

Available Options

12	UL Listed for 3 hour Fire Rated doors
13	Lockset x Front & Strike with 1/4" Radius and 2-3/8" Backset
14	505 Full lip strike
20	2-3⁄8" backset latch with square corner front 2-1/4" x 1" front
28	Strike #808. Lip length 1-1⁄4"
31	1-7⁄8" to 2" thick door—only centered in door
SG	MicroShield® – an antimicrobial powder coat (Available on 15, 26D, and 32D Finishes only)
TB	Through-bolting for DLU93 Function
WBS	Wrought Box Strike

How to Order DL Series Tubular Locks:

Series	Function	Rose	Lever	Finish
DL	U15	TO	MM	26D

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Simpli™ Roseless Trim and RDL Locks

Information and Functions

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Simplí™ Roseless Trim and RDL Tubular Locks

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series designer levers, Simplí™ creates a flawless aesthetic vision on any door opening.

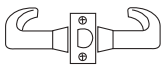
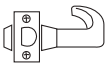
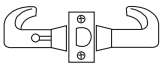
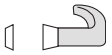
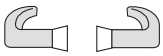
Simpli is offered on the RDL Series tubular lock, which was specially designed to accept the roseless trim. In addition to the RDL Series, Simpli is also available with the R8200 Series mortise locks and Harmony R8200 Series mortise locks.

- RDL Series with Simpli trim is available with all DL functions
- Available with Coastal Series and many Studio Collection levers (except MC, MK, MN, MP, MT, Gramercy Series, Wooster Square, Grant Park and Berlin)
- Selected levers return within 1/2" of the door face
- Simpli roseless trim is not compatible with DL latches; can only be used with RDL locks

General Information

- For doors 1-3⁄4" (44mm) thick
- RDL is UL Listed for 3 hour Fire Rated doors
- 2-3/4" (70mm) Backset standard with square corner front, 2-1/4" x 1-1/8" (57mm x 29mm) (specify 20- for 2-3/8" (60mm) backset)
- Latchbolt brass 1⁄2" (13mm) projection
- Specify hand of lock on order; easily field reversible
- Warranty: 1 Year

Note: Special door prep templates required. This product is not compatible with 160/161 cylindrical lock preparations

Description	Series & Function	
• Both levers retract latch • Ideal for closets & bedrooms	RDLU15 Passage	
• Blank rose outside • Lever retracts latch	RDLU15-3 Communicating	
• I/S lever always retracts latch • O/S lever retracts latch, except when locked by inside push button • Closing door unlocks outside lever • Includes emergency release • Ideal for bathrooms & home offices	RDLU65 Privacy	
• Lever always rigid • No latch included • Ideal for pantries & closets • Through-bolted	RDLU93 Single Lever Pull	
• Levers always rigid • No latch included • Ideal for sliding doors • Through-bolted	RDLU94 Double Lever Pull	

Available Options

1	For doors 1-3/8" (35mm) Thick
13	Lockset x Front & Strike with 1/4" Radius and 2-3/8" Backset
14	505 Full lip strike
20	2-3⁄8" backset latch with square corner front 2-1/4" x 1" front
28	Strike #808. Lip length 1-1⁄4"
SG	MicroShield® – an antimicrobial powder coat (Available on 15, 26D, and 32D Finishes only)
WBS	Wrought Box Strike

How to Order RDL Series Tubular Locks:

Series	Function	Rose	Lever	Finish
RDL	U15	R	MM	26D

Note: Roseless trim requires the use of RDL locks. Use the letter R for the Rose when specifying roseless trim.

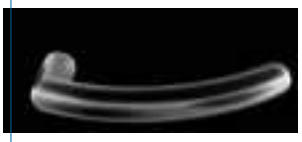
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Studio Collection Levers

DL & RDL Series Tubular Locks

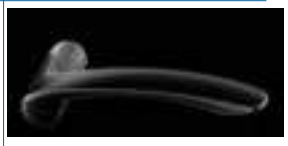
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Aventura Series

MB	5-3/8" 136mm; 2-1/2" 64mm	
ME	4-11/16" 119mm; 2-17/32" 64mm	
MF	4-3/8" 111mm; 2-25/32" 71mm	
MG	5-1/2" 140mm; 2-15/32" 63mm	
MI	5-13/32" 137mm; 2-19/32" 66mm	
MW[1]	5" 127mm; 2-1/2" 64mm	
NF[1]	5 5/8" 118mm; 2-13/16" 71mm	

Odéon Series

(Handed Levers)

MN[2,3]	4-17/32" 115mm; 2-1/8" 54mm	
MH[3]	5-5/32" 131mm; 2-3/4" 70mm	
MK[2,3]	5-7/32" 132mm; 3" 76mm; 2-3/4" 70mm	
MS[3]	5-3/8" 136mm; 2-21/32" 67mm; 2-15/32" 62mm	
MU[3]	5-1/16" 129mm; 3-1/16" 78mm	
MV[3]	5-1/8" 130mm; 2-7/8" 73mm	
NS[1,3]	5-1/4" 133mm; 2-15/16" 75mm; 3/8" 10mm	
NU[1,3]	5-1/4" 133mm; 2-7/8" 73mm; 3/8" 10mm	
MX[1,3]	5-5/16" 135mm; 2-7/8" 73mm; 3/8" 10mm	

All levers are ADA compliant.

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available with Simpli™ roseless trim
[3] Not available in 32D or 32 finish

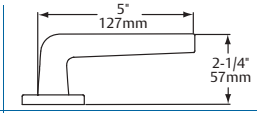
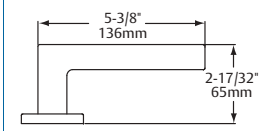
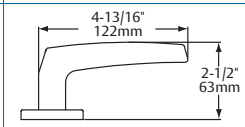
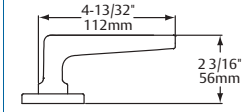
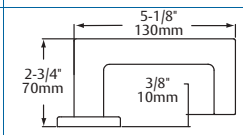
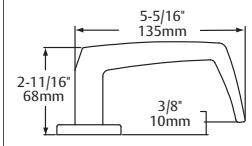
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Studio Collection Levers

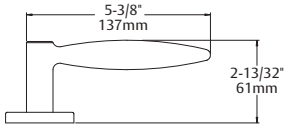
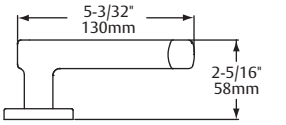
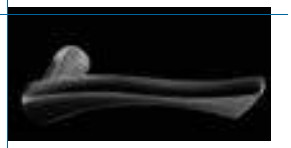
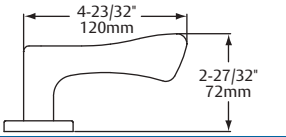
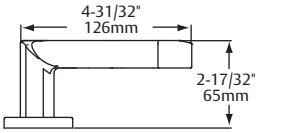
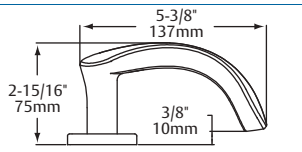
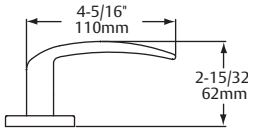
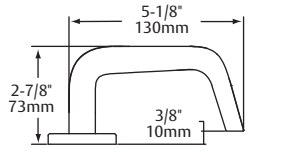
DL & RDL Series Tubular Locks

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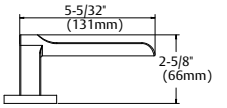
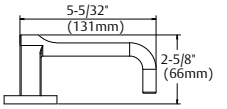
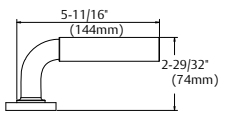
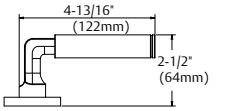
Centro Series

MC[2,3]		
MD		
MJ		
MP[2,3]		
ND[1]		
NJ[1]		

Notting Hill Series

MA[3]		
MQ[3] Handed		
MT[2,3] Handed		
MM[3] Handed		
MY[1,3] Handed		
MO[3]		
MZ[1,3] Handed		

Berlin Series[2]

H015		
H016[1]		
H017		
H018		

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available with Simpli™ roseless trim
[3] Not available in 32D or 32 finish

All levers are ADA compliant.

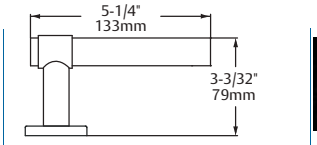
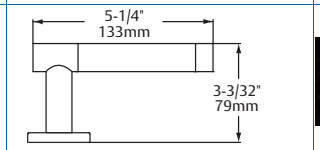
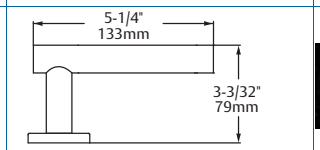
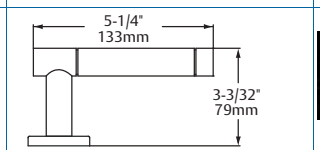
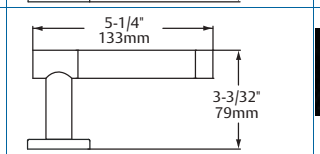
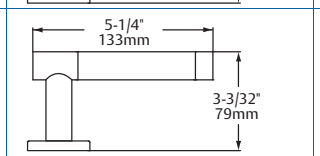
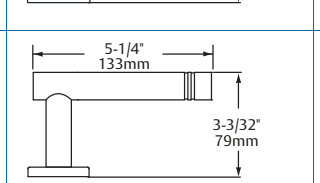
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Studio Collection Levers

DL & RDL Series Tubular Locks

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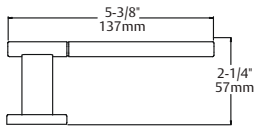
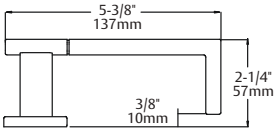
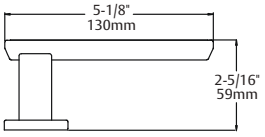
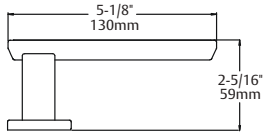
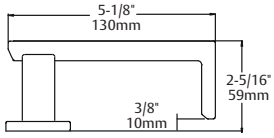
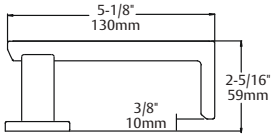
Gramercy Series[2/3]

RCM		
RAL		
REM		
RAM		
RAS		
RAG		
RGM		

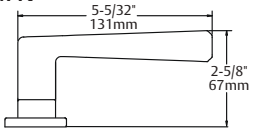
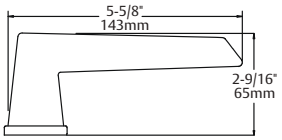
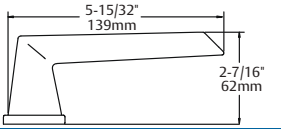
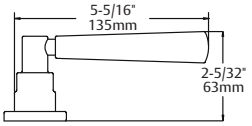
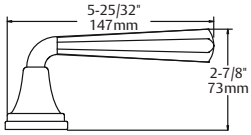
[1] Lever returns within 1/2" (13mm) of door face
[2] Not available with Simpli™ roseless trim
[3] Gramercy levers are customized; refer to page 8 for ordering information
[4] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.

All levers are ADA compliant.

Wooster Square[2/4]

H001		
H002[1]		
H003		
H004		
H005[1]		
H006[1]		

Grant Park[2]

H007		
H008 Handed		Not available with DLU65 
H009		Not available with DLU65 
H010		
H011		Not available with DLU65 

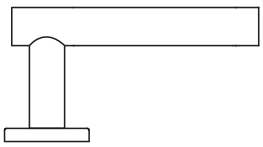
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Ordering Gramercy Series Levers

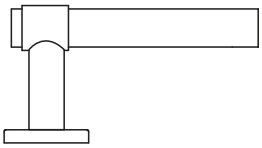
DL Series Tubular Locks

SARGENT
ASSA ABLOY

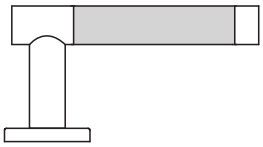
Gramercy Series Levers (DL Series Only)



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

2930 Finish: grip of lever is 32D, balance of lever is 32. Rose and lock finish will be 32.
3029 Finish: grip of lever is 32, balance of lever is 32D. Rose and lock finish will be 32D.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629.

How to Order DL Series Locks with Gramercy Levers

Options	Series	Function	Roses	Lever	Finish
Select from page 3	DL	Select from page 3	Select from page 10	Leather insert	Bright stainless steel with brown leather
28-	DL	U65	TO	RAL	29BN29

Gramercy Levers are available with E2, O, CO & TO roses; DLU93 & DLU94 functions are also available with E3, CR, LN & TR roses.

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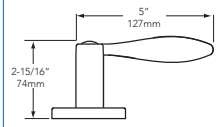
Coastal Series™ & Standard Levers

DL Series Tubular Locks

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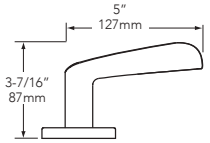
Coastal Series™ (DL & RDL Series)

G - Gulfport™
Handed



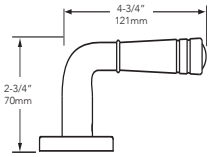


S - Sanibel™
Handed



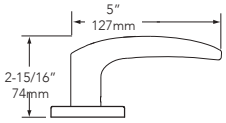


R - Rockport™





Y - Yarmouth™
Handed

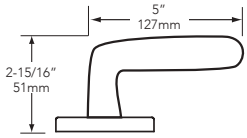




Note: Not available in 32D or 32 finish

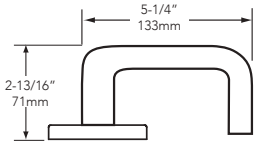
Standard Levers (DL Series Only)

A
Handed



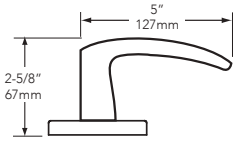


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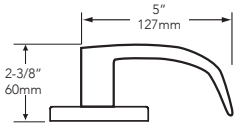


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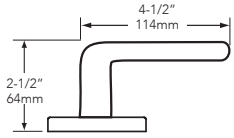


L



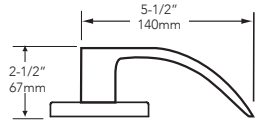


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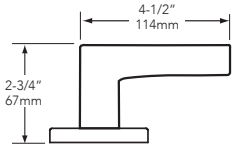


P



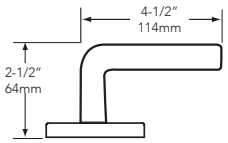


F





W





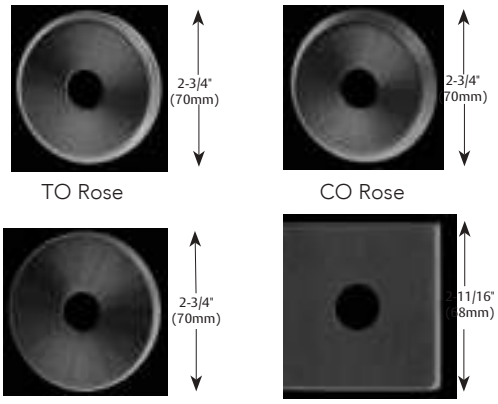
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Roses & Finishes

DL & RDL Series Tubular Locks

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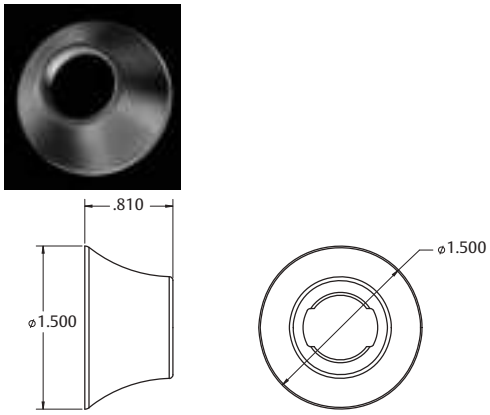
DL Tubular Lock Roses



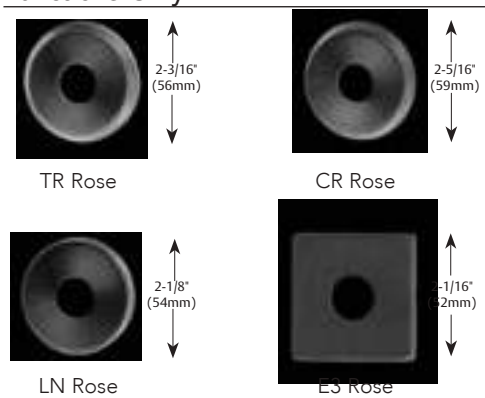
TO Rose | CO Rose

O Rose | E2 Rose* (handed)

Simpli™ Roseless Trim



Additional Roses for DLU93 and DLU94 Functions Only



TR Rose | CR Rose

LN Rose | E3 Rose (handed)

Finishes for RDL & DL Series

SARGENT	Description	ANSI/BHMA
03	Bright brass, clear coated	605
04	Satin brass, clear coated	606
09	Bright bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Dark oxidized satin bronze, oil rubbed	613
10BE	Dark oxidized satin bronze, equivalent	(613E)
10BL	Oxidized satin bronze, clear coated	614
14	Bright nickel plated, clear coated	618
15*	Satin nickel plated, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Bright chrome plated	625
26D*	Satin chrome plated	626
32	Bright stainless steel	629
32D*	Satin stainless steel	630
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

*CAUTION:
Cannot retrofit on existing cylindrical lock door preps with through-bolt holes outside the 2-1/8" bored hole.

Note: Gramercy Series levers only offered in 32 and 32D.

Refer to page 8 for ordering information.

* MicroShield® - optional designate SG- option (Available on 15, 26D, and 32D Finishes only)

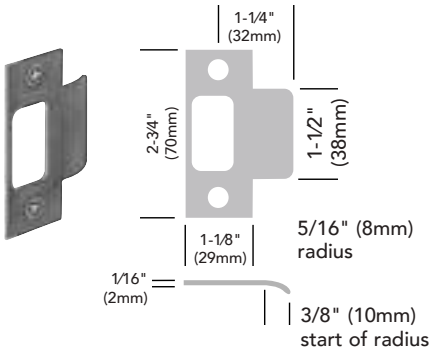
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Strikes

DL and RDL Series Tubular Locks

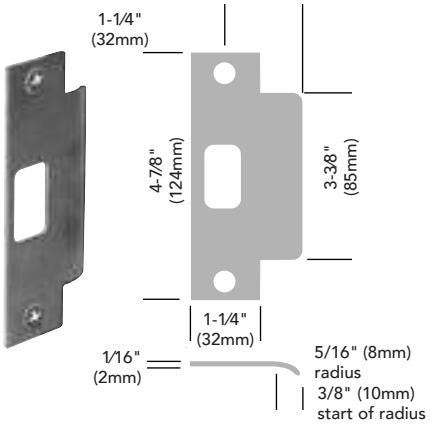
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2-3/4" Curved Lip Strike – Standard



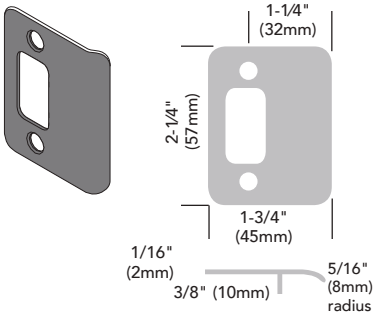
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



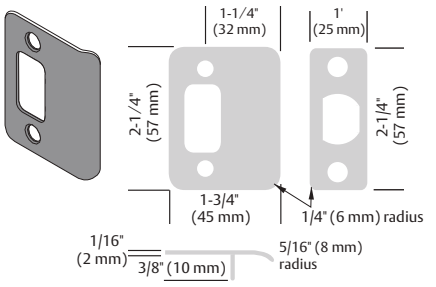
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 1-1/4" (32mm), 1-3/8" (35mm) 1-5/8" (42mm), 1-7/8" (48mm) 2-1/8" (54mm), 2-3/8" (60mm) 2-5/8" (66mm), 2-7/8" (73mm)
- To order strike separately, specify 808 strike x finish x lip length

2-1/4" Full Lip Strike (14- Option)



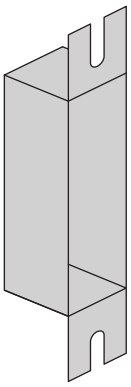
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- No other lip lengths available
- To order strike separately, specify: 505 strike x finish

2-1/4" (57 mm) Full Lip Strike (13- Option)



- Lockset x Front and Strike with 1/4" (32 mm) Radius and 2-3/8" (60 mm) Backset
- To order strike separately, specify: 505 x finish
- Adjustable tab to reduce door movement when latch engaged in strike standard

ANSI Wrought Strike Box



- Used with ANSI 4-7/8" (124 mm) strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

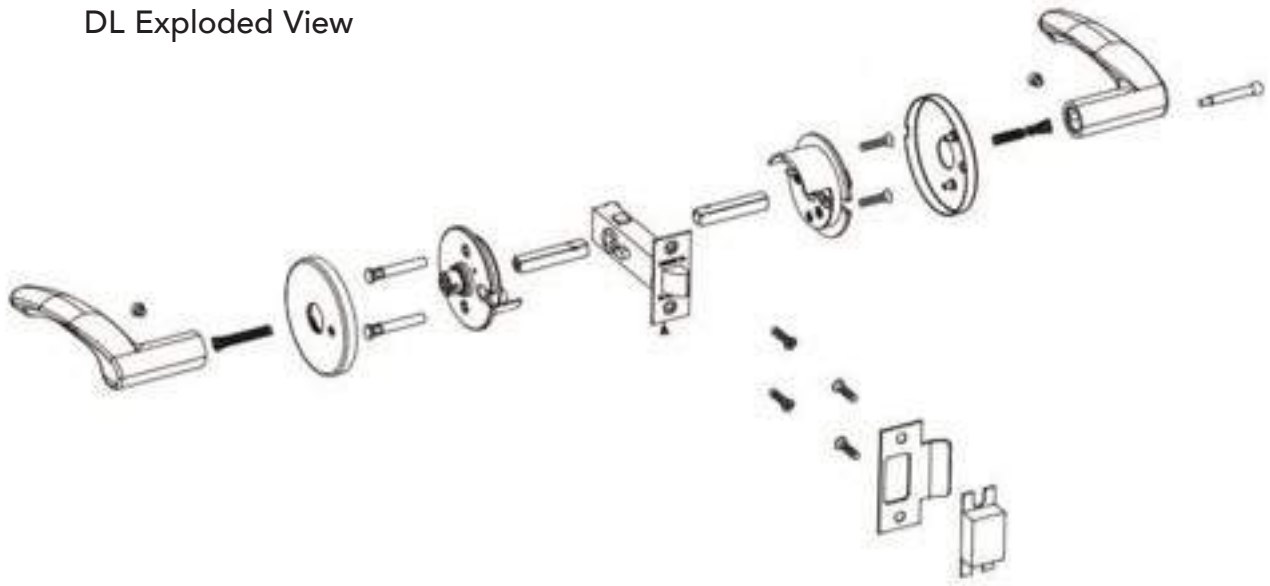
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Architectural Specifications

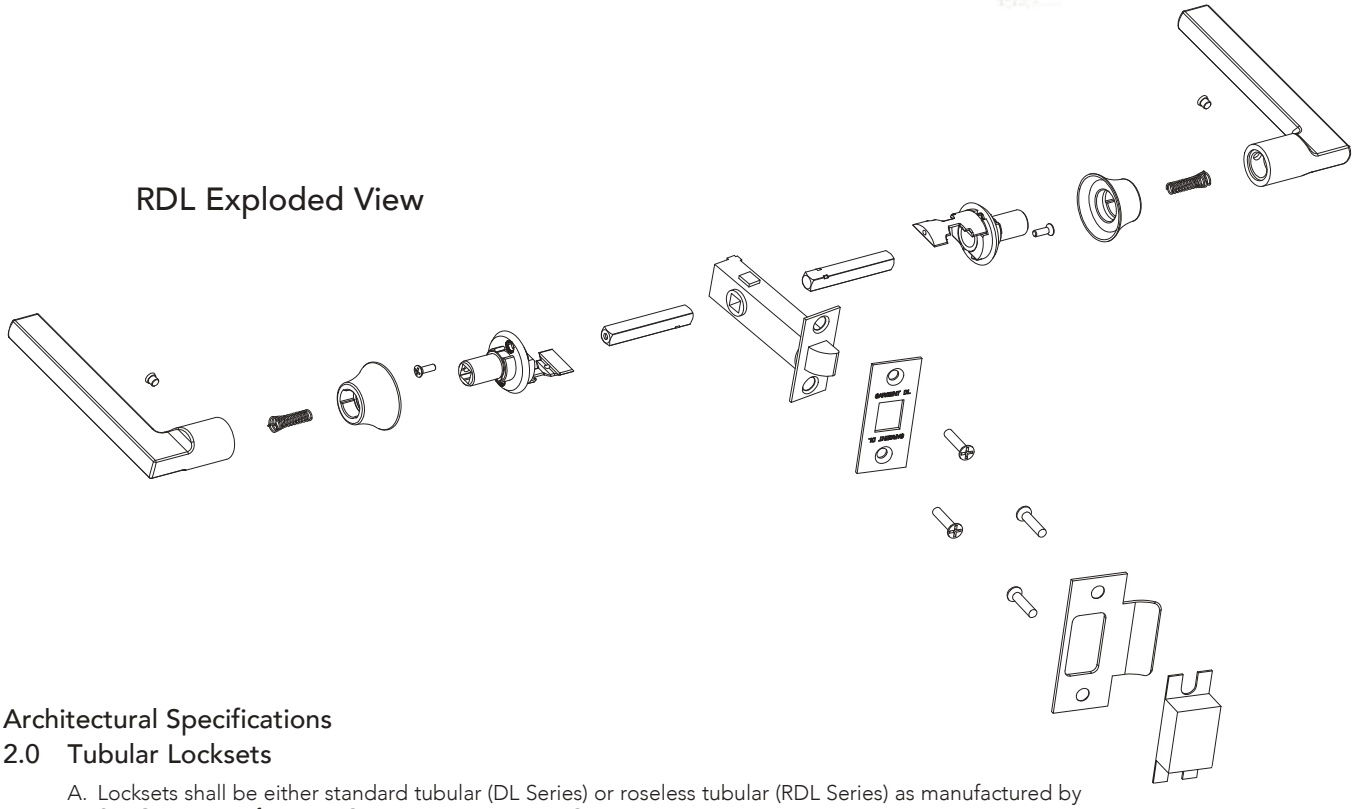
DL Series Tubular Locks

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DL Exploded View



RDL Exploded View



Architectural Specifications

2.0 Tubular Locksets

A. Locksets shall be either standard tubular (DL Series) or roseless tubular (RDL Series) as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall be non-handed with bi-directional lever operation.

C. The DL Series locks mount in a standard ANSI 161 door preparation (2-1/8 inch dia.) without additional through-bolt preps. RDL Series require special custom door preparation.

D. Lockset levers shall be made of solid material with no plastic fillers.

E. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.

F. Strikes shall be non-handed with a curved lip.

G. Locks shall have a one year limited warranty.

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Notes

DL Series Tubular Locks

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90102 03/21

Product Catalog

SARGENT
ASSA ABLOY

7800/8200 Series
Mortise Locks



Experience a safer
and more open world

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8200/R8200/7800 Series Mortise Locks

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion®
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

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Certifications

8200/R8200/7800 Series Mortise Locks

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Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes	See below

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"

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Features

8200/R8200/7800 Series Mortise Locks

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The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

Specifications

- For Doors 1-3/4" (44mm) thick standard
- Backset 2-3/4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - 7800: sintered iron copper infiltrated
  - 8200: cold forged steel
  - R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components



BHMA CERTIFIED

Maximum Strength & Durability

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

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Features

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 53 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation

- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim (patent pending)
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

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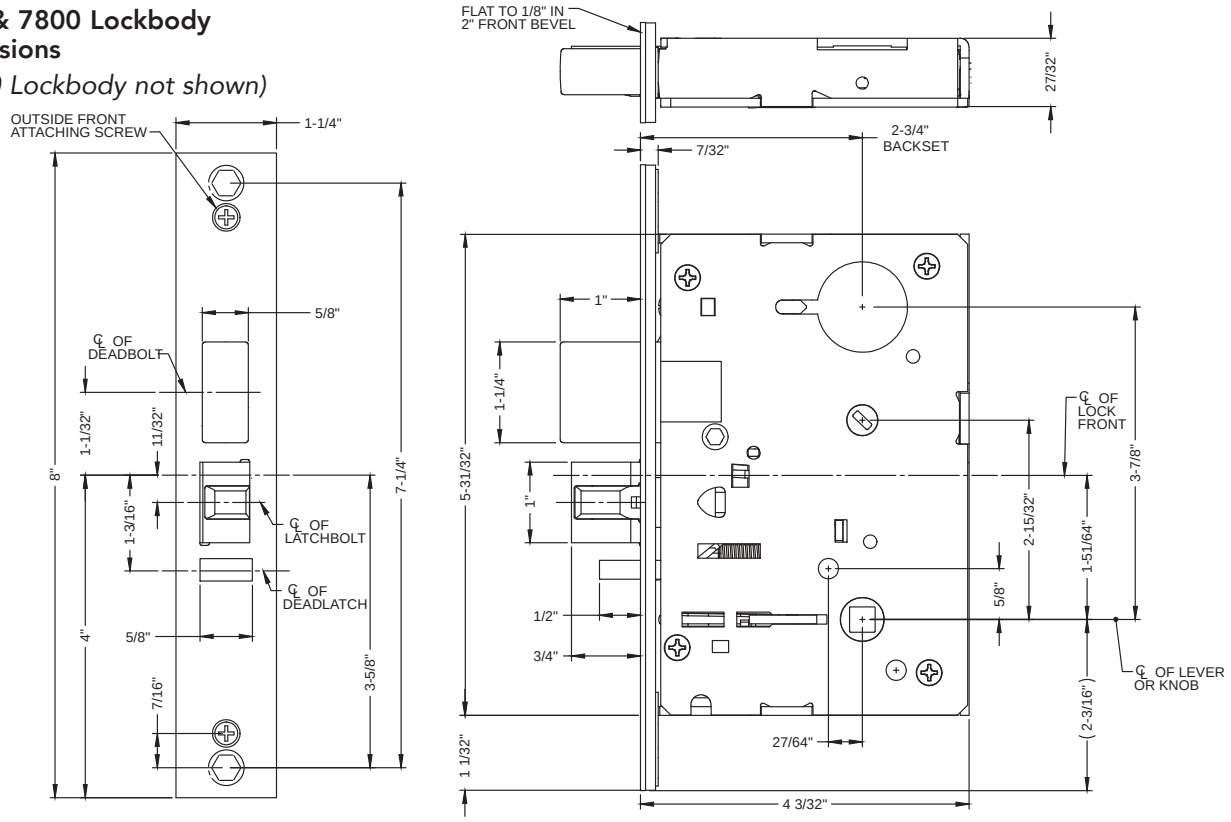
Features

8200/R8200/7800 Series Mortise Locks

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8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)



Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type[1]	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish[3]
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish[3]
R8200	Simpli™ roseless trim	No	Yes[2]	Yes	R82 x Function x Finish[3]
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim
[2] Through Bolt locations are different from standard trim, special door prep required
[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included
* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

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Simplí™ Roseless Trim & R8200 Series Mortise Locks

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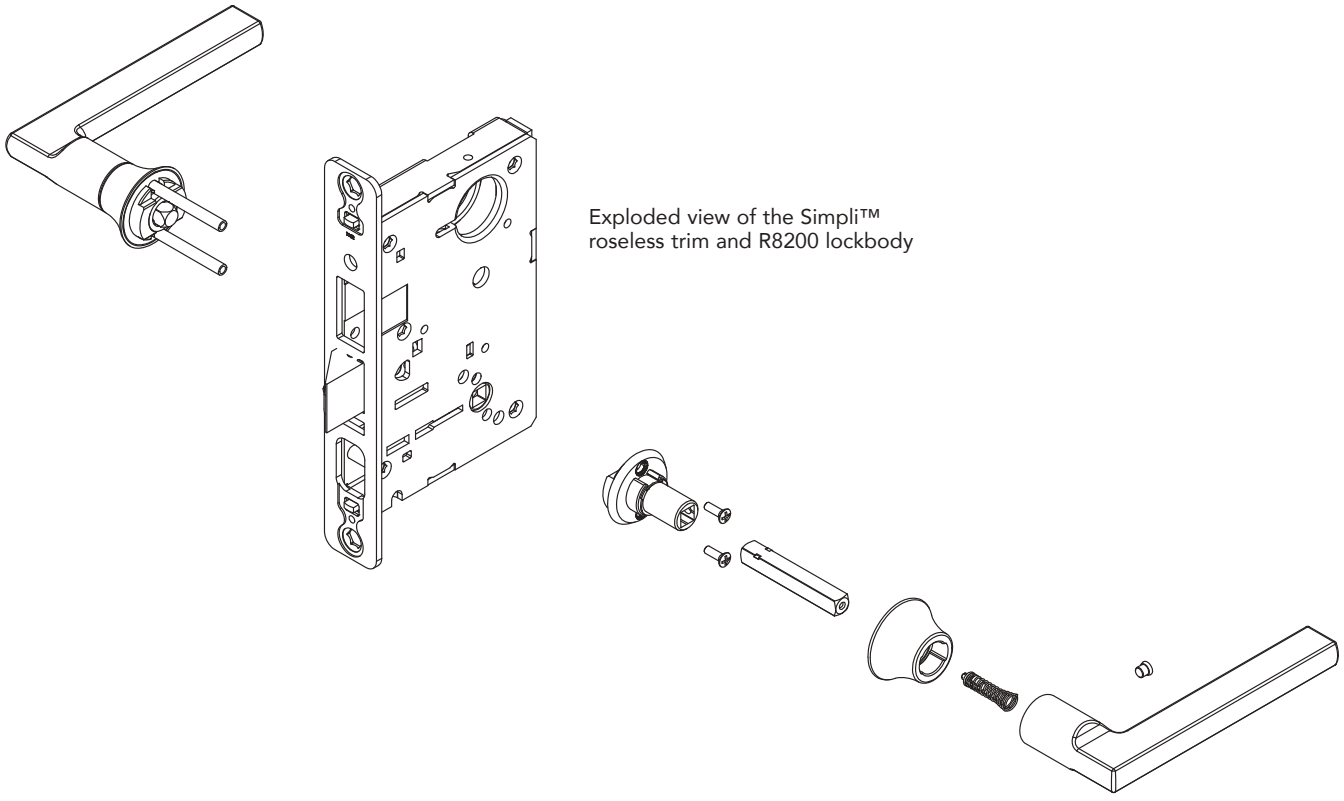
Information

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí creates a flawless aesthetic vision on any door opening.

Simpli is offered on the R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the R8200 Series, Simpli is also available with the RDL Series tubular locks and Harmony R8200 Series mortise locks.

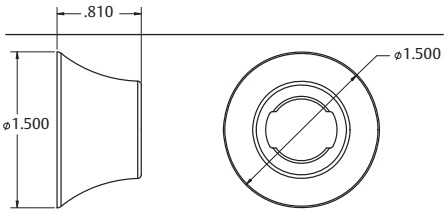
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Offered with most 8200 functions
- Available with Coastal Series and many Studio Collection levers (except MC, MK, MN, MP, MT, Gramercy Series, Wooster Square, Grant Park, and Berlin)
- Simpli roseless trim is not compatible with the 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- Patent pending and/or patent www.assaabloydss.com/patents





Exploded view of the Simpli™ roseless trim and R8200 lockbody

Simpli™ Collar



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Studio Collection Levers

8200/R8200 Series Mortise Locks

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

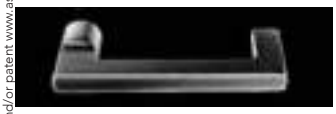
Centro Series


MC[2,3]


MD


MJ


MP[2,3]


ND[1]


NJ[1]

Notting Hill Series
(MA & MO are Non-Handed Levers)


MA[3]


MQ[3]


MT[2,3]


MM[3]


MY[1,3]


MO[3]


MZ[1,3]

Aventura Series


MB


ME


MF


NF[1]


MG


MI


MW[1]

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[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Not available in 32D or 32 finish

Studio Collection Levers

8200/R8200 Series Mortise Locks

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Odéon Series
(Handed Levers)


MN[2,5]


MH[5]


MK[2,5]


MS[5]


MU[5]


MV[5]


MX[1,5]


NS[1,5]


NU[1,5]

Gramercy Series[2/3]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin Series[2]


H015


H016[1]


H017


H018

Wooster Square[2/4]


H001


H002[1]


H003


H004


H005[1]


H006[1]

Grant Park[2]
(H008 Lever is Handed)


H007


H008


H009


H010


H011

[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Gramercy levers are customized. See page 50 for ordering information
[4] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[5] Not available in 32D or 32 finish

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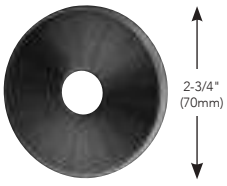
Studio Collection Trim

8200 Series Mortise Locks

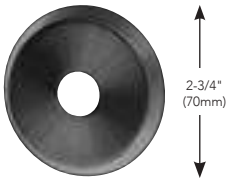
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Roses
(8200 Series)

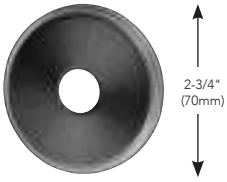
O Rose



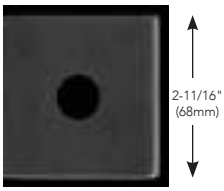
CO Rose



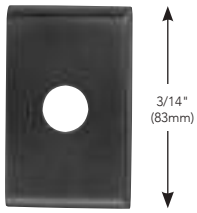
TO Rose



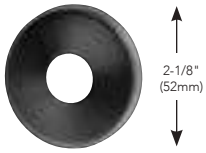
E2 Rose[1]



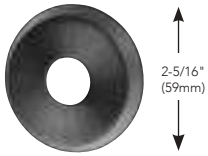
E4 Rose[1]



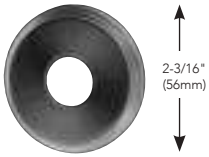
LN Rose



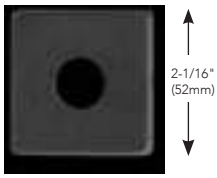
CR Rose



TR Rose

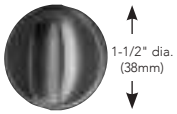


E3 Rose[1]

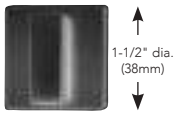


Thumbturns
(8200 & R8200 Series)
Thumbturn backplate will match rose design chosen.

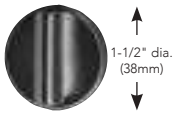
T1 Turn



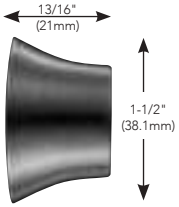
T2 Turn



T3 Turn

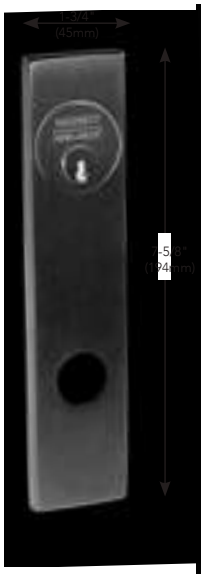


Simplí™ Roseless Collar
(R8200 Series)



Escutcheons
(8200 Series)

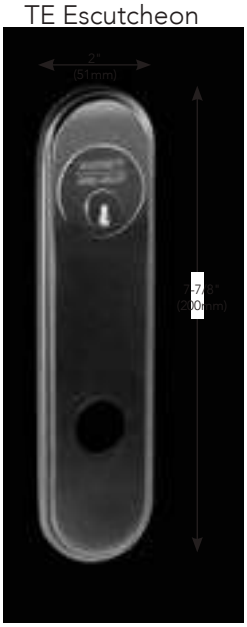
LE1 Escutcheon



CE Escutcheon



TE Escutcheon



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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Coastal Series™ Levers, Roses & Escutcheons

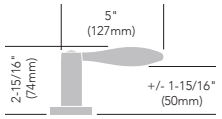
8200/R8200/7800 Series Mortise Locks

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Coastal Series
(8200 & R8200 Series)

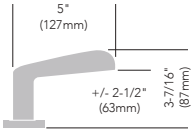
Features
- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

G - Gulfport™ (Handed)



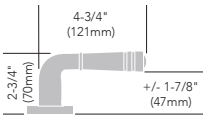


S - Sanibel™ (Handed)



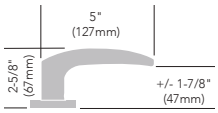


R - Rockport™



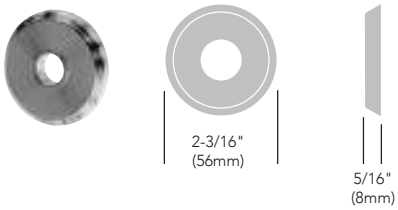


Y - Yarmouth™ (Handed)

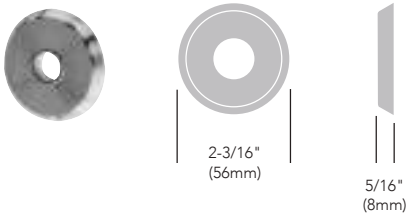




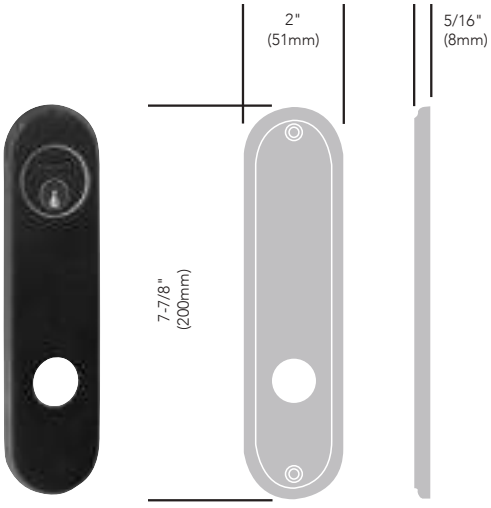
TR Traditional Rose
- Dual radii edge



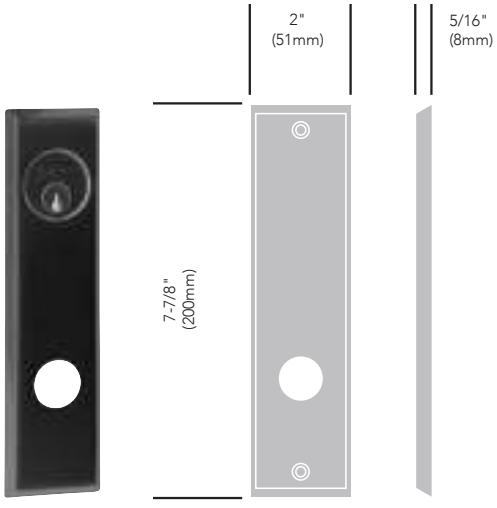
CR Contemporary Rose
- Beveled edge



TE Traditional Escutcheon
- Dual radii edge



CE Contemporary Escutcheon
- Beveled edge



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Standard Levers

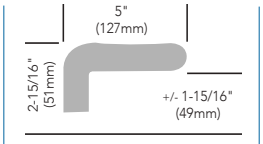
8200 Series Mortise Locks

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Standard Levers
(8200 Series Only)

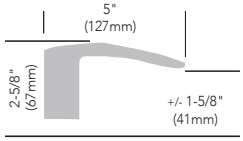
Features
- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

A (Handed)



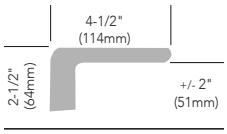


B



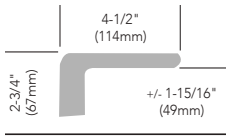


E



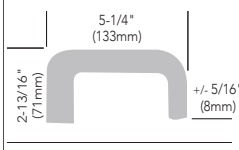


F



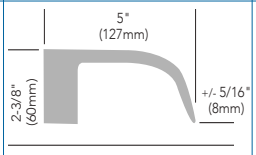


J



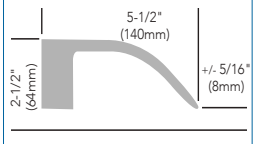


L



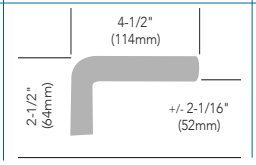


P





W





Standard Roses

L Rose





O Rose





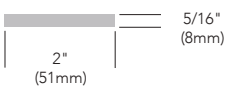
E Rose





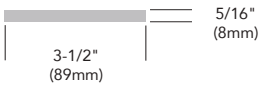
LN Rose



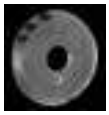


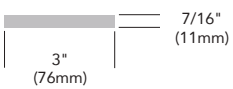
SL Rose





BH Rose





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Escutcheon Designs

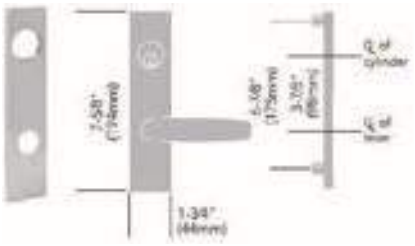
8200/R8200/7800 Series Mortise Locks

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ASSA ABLOY

Cylinders will protrude from escutcheon face on double cylinder functions only.

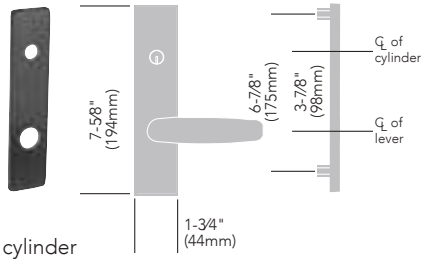
LE1/LE2 Escutcheon Design

- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside
- LE1 is available with standard, Coastal & Studio Levers
- LE2 is available with standard levers only



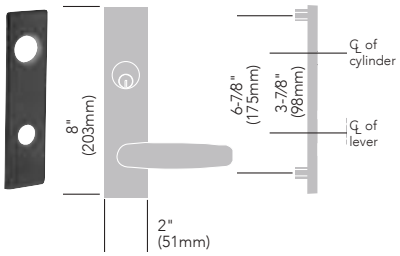
LE3/LE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders
  - limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders



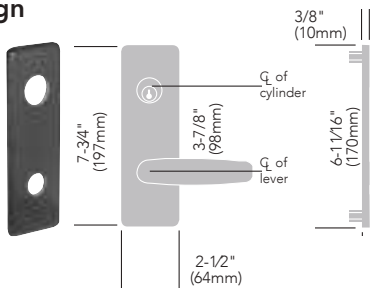
LW1 Escutcheon Design

- Escutcheon: LW1- Wrought
- (2) Exposed screws inside
- LW1 is available with standard levers only



LS Escutcheon Design

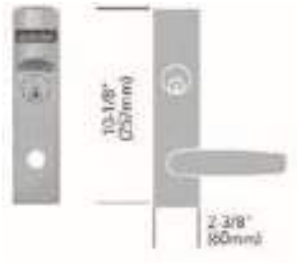
- Escutcheon: LS-Forged
- Security Trim: Cylinder is protected by the Escutcheon
- (4) Spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73

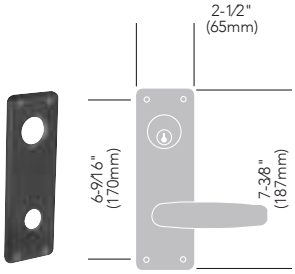
VN1 Escutcheon Design

- Escutcheon: Forged
- Thrubolt mounting screws (2)
- Exposed screws inside
- Used only with indicator options
- Available with all lever styles
- Refer to page 34



WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- WT is available with standard levers only



SARGuide™ 8200 Mortise Lock (TL- Option)

- Escutcheon: TL-WT Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- SARGuide opening 2" x 3/4"
- TL-WT is available with standard levers only



Note: SARGuide is only available with TL- WT Escutcheon.

SARGuide™, with integrated electroluminescent "EXIT" signage, addresses the increasing concern about safe public egress, particularly in low-visibility conditions. SARGuide™ can be wired for continuous operation or for operation only when an emergency alarm is activated.

Mortise Features

- Lamp can be used on internal trim (for external trim, consult factory)
- Includes all features of the 8200 Mortise Lock
- Available with WT escutcheon design only and all standard lever designs. Must specify TL- Option when ordering

SARGuide™ Features

- Illuminated utilizing the patented FLATLITE® electroluminescent lamp embedded within the mortise lock escutcheon
- Dual voltage: 24VAC or VDC input with battery back-up
- Lamp replacement kit available

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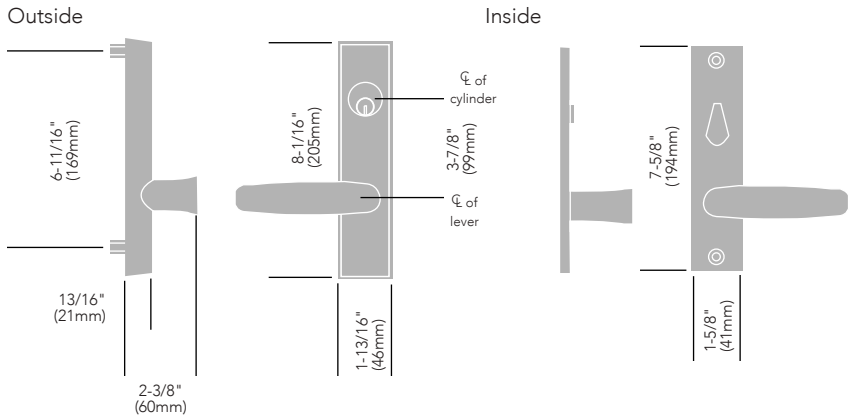
Freewheeling (FE) Trim Design

8200 Series Mortise Locks

SARGENT
ASSA ABLOY



8225 FEL shown



Vandal Resistant Freewheeling Lever

Note: Maximum projection varies by lever design. Largest projection is "A" lever – 3-9/16" (90mm)

Features

The Freewheeling Mortise Trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order
- Vandal resistant trim
- Meets or exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism (32 and 32D finishes not available)
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available — 04, 05, 16, 17, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available
- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patent pending and/or patent www.assaabloydss.com/patents
- Options available: 3-, 10-, 11-, 11-60-*, 11-63-*, 11-64-*, 11-70-7P-*, 11-72-7P-*, 11-73-7P-*, 11-65-73-7P-*, 21-, 23-, 36-, 37-, 60-*, 63-*, 64-*, 70-*, 72-*, 73-*, 65-73-*, 65-73-7P-*, 73-7P-*, 74-, 75-, 76-, 77-, 82-, SG- & WBS-

* Can not be used as the inside cylinder with freewheeling trim (#41 cylinder required)

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7800 Knob & Rose Designs

7800 Series Mortise Locks

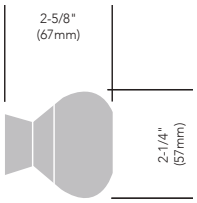
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- Knob designs only are available with standard roses (E, L, LN, & O) and escutcheons (KE1/KE2, KE3/KE4, KW1, & WT).
- Available with VN1 escutcheon for V series indicator options only. See page 16.

C Knob Design

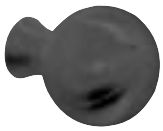
- Knob: C-Wrought

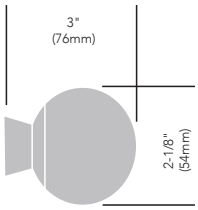




B Knob Design

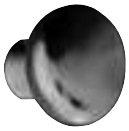
- Knob: B-Wrought

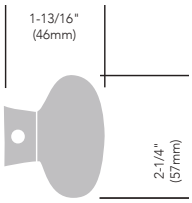




K Knob Design

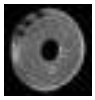
- Knob: K-Cast
  (prior designation 1485)
  Only with KS escutcheon





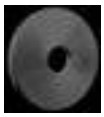
BH Rose

- Available with D Knob only
  Must be ordered as BHD Trim



SL Rose

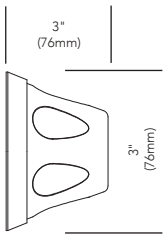
- For Detention Knob x lever or knob, please consult factory



D Knob

- Machined from Stainless Steel
- Only available with BH or SL Rose
- Finish: 32D
- Options not available: 75, 76, 77, 85, 86 & 87





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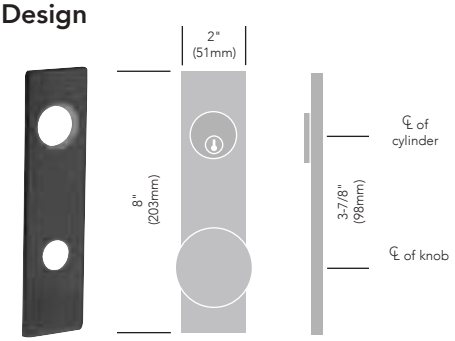
7800 Series Escutcheon Designs

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7800 Series Mortise Locks

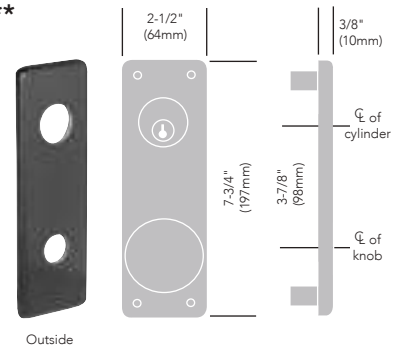
KW1 Escutcheon Design

- Escutcheon: KW1-Wrought
- (2) Exposed screws inside
- Available with B & C knobs only



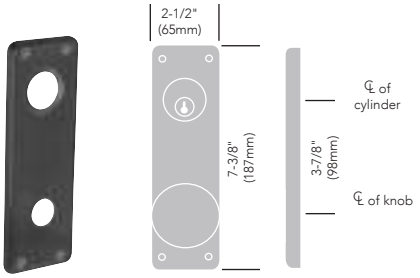
KS Escutcheon Design**

- Security Trim: cylinder is protected by escutcheon
- Escutcheon: KS-Forged
- (4) Spanner screws are exposed on inside trim
- All functions will have escutcheons both sides
- Available with K knob only



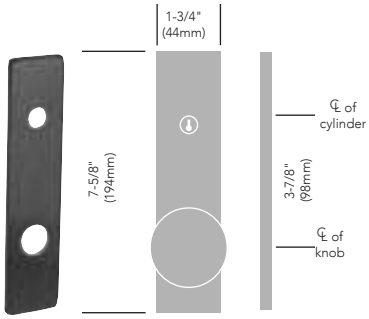
WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted
- (4) Exposed screws inside and outside
- Available with B & C knobs only



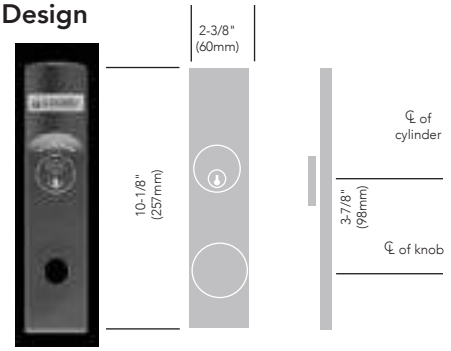
KE3/KE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders – limited keyway and key system offerings — see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- Available with B & C knobs only
- UL437 not available
- Not available with DG2 & DG3 cylinders



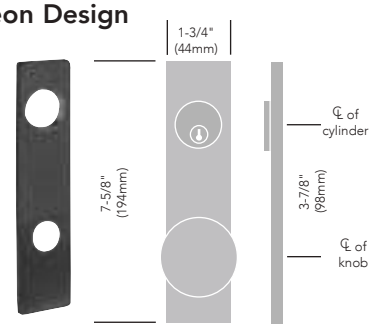
VN1 Escutcheon Design

- Thrubolt mounting screws (2)
- Exposed screws inside
- Available with B & C knobs only
- Refer to page 34



KE1/KE2 Escutcheon Design

- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside
- Available with B & C knobs only



** KS Escutcheon is not available with cylinder options:10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73

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Behavioral Health Series™ Trim

8200 Series Mortise Locks

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8200 Push/Pull Trim (ALP)


(Paddle shown horizontally)

The 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder - paddle mounts vertically down or horizontally
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D
- Patent pending and/or patent www.assaabloydss.com/patents

See Specialty Hardware Catalog 90712 for more details

8200 Series with BHW* Trim



Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 mortise lock allows its use in many applications.

Features

- Available in 37 functions
- Uses standard mortise prep
- ANSI/BHMA Grade 1
- Tapered surfaces on all components
- Handed
- Available with MicroShield® antimicrobial coating
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder functions
- ADA Compliant
- Matching thumbturn available
- Finish: 32D
- 6 Lobe head security screws (Torx® type)
- Patent pending and/or patent www.assaabloydss.com/patents

See Specialty Hardware Catalog 90712 for more details

8200 with BHL* Trim



The SARGENT BHL trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 mortise lock provides impressive strength and reliability.

Features

- Available in 21 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Outside and inside levers will freely rotate up and down 45° when in the locked condition.
- Sloped surfaces
- Non-Handed
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- Finish: 32D
- Available with MicroShield® antimicrobial coating

See Specialty Hardware Catalog 90712 for more details

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them

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PT Push/Pull Trims & Anti-Vandal Option

8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

7800 Push/Pull Trim (PT)



(Paddle shown horizontally)

Typically used in the healthcare environment, push/pull trim is known for its ease of operation. Because the mortise lock with trim is more durable and secure than a cylindrical lock, conference rooms, handicapped restrooms, laboratories and pharmacies are appropriate applications.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder — paddle mounts vertically down or horizontally
  - with thumb turn — paddle mounts horizontally only
- Handing is easily field reversible
- Through-bolted trim for stability
- Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
- Paddles & Covers are cast stainless steel, brass or bronze

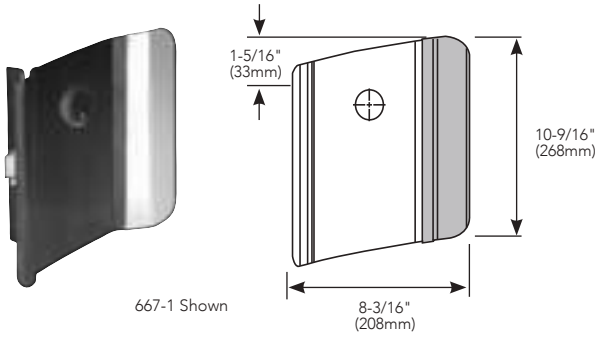
See Specialty Hardware Catalog 90712 for more details

7800/8200 Anti-Vandal Trim (AV)

Designed for exterior doors that require extra security or resistance to vandalism. AV anti-vandal trim plates have an extended lip on the active side of the door to provide extra protection for the latchbolt, deadbolt and deadlatch. A matte plastic coated grip edge provides a comfortable pull that feels good over wide temperature ranges. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.

Features

- Heavy duty 12 gauge stainless steel in 32D finish only
- Through-bolted through mortise lockbody and door for added strength
- Handed: specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Available with all inside trim except LS/KS, FE and PT
- Options not available with AV trim: 1-, 31-, 49-, 50-, 68-, 69, 76, 77-, 85, 86, 87, DX- & SG-
- See chart to right for available functions
- For inactive door, available without protective lip
- Anti-Vandal Trim is available as a retrofit (667-_ Kit) or with the lock, as an "AV" option



667 AV Retrofit Kit

Retrofit kits for 7800, 7900, 8200 & 9200 mortise locks 667 Kit includes:

- AV Pull
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17, 28, 29, 30, 50, 51, 52, 91 & 92 -1 & -2 Trim has an extended lip, cylinder hole and through-bolt post for mounting Inside trim
667-3* 82-4036	667-4* 82-4037	03, 20, 21, 23, & 31 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5* 82-4044	667-6* 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

* For Deadbolt Functions only without lever trim

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Functions & Descriptions

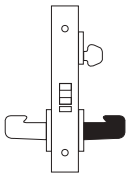
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder without Deadbolt

*‡04 Storeroom or Closet

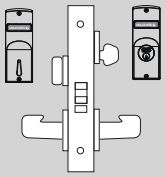
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside locked at all times
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F07**

*05 Office or Entry

8200, R8200 & 7800



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt, trim outside remains locked
- Thumbturn inside locks & unlocks outside trim
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F04**

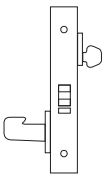
The Multi-Function Advantage with rose trim:

1. Lock will accommodate 04, 05, 15 & 37 functions without additional parts.
2. By adding an additional cylinder, lock will accommodate 38 function.
3. By adding a Trim One Side Kit, lock will accommodate 06, 13, 31 & 36 functions.

NOTE: Office/Entry Function with toggle is a 55 function.

06 Storeroom or Service

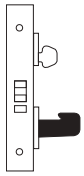
8200, R8200 & 7800



- No trim outside, cylinder only
- Key outside retracts latchbolt
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- Same as 04 Function without trim outside

◊*31 Utility

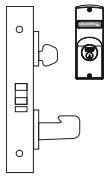
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside is always locked
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch

*◊36 Closet

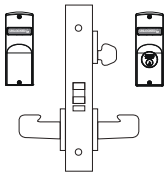
8200, R8200 & 7800



- Key locks and unlocks trim
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary dead latch

*‡37 Classroom

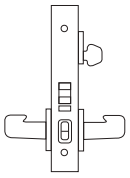
8200, R8200 & 7800



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F05**

55 Office or Entry

8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt, outside trim remains locked
- Trim outside is locked & unlocked by the toggle only
- Auxiliary deadlatch

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*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim


If shaded, knob or lever rigid at all times


Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

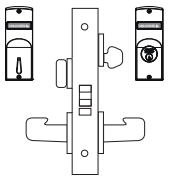
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder without Deadbolt

56 Office & Inner Entry Lock

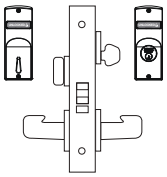
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt and unlocks outside trim
- Trim outside is locked by thumbturn or key
- Auxiliary deadlatch

57 Institutional Privacy

8200, R8200, 7800

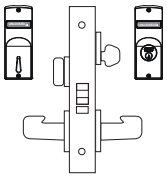


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

58 Institutional Privacy

8200, R8200, 7800

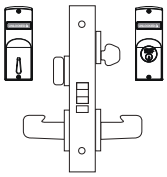


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside does not unlock when the door closes
- Trim outside unlocks when operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

67 Institutional Privacy

8200, R8200 & 7800

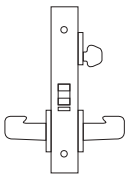


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F26**

Note: Key does not lock trim outside, only unlocks it

89 Holdback

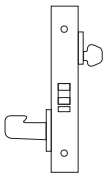
8200



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
- **ANSI F06**

91 All Purpose Holdback

8200



- Key outside retracts latchbolt
- Key outside can lock latchbolt in retracted position
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- Latch holdback — set by rotating & holding trim, then rotate key toward latchbolt. Lever will remain in rotated position for unlocked indication


Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

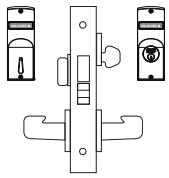
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder with Deadbolt

◊*‡24 Room Door

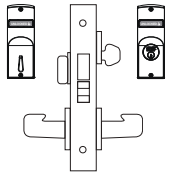
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
- **ANSI F21**

*25 Dormitory or Exit

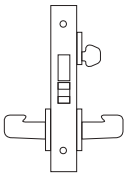
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, Trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**

◊27 Closet or Storeroom

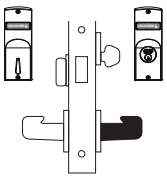
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Same as 24 function without thumbturn
- Latchbolt & deadbolt operate independently of each other

28 Dummy Trim Deadlock

8200, R8200 & 7800

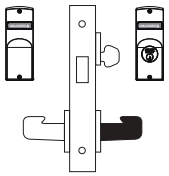


- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Thumbturn inside retracts and projects deadbolt

Note: Indicator shows deadbolt position only

30 Dummy Trim Deadlock

8200, R8200 & 7800

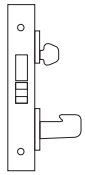


- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Same as 28 Function without a thumbturn

Note: Indicator shows deadbolt position only

◊*35 Storeroom

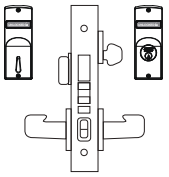
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim outside retracts latchbolt, except when deadbolt is projected
- No inside trim or cylinder

‡43 Apartment Corridor Door

8200, R8200 & 7800



- Key and thumbturn both retract & project the deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Auxiliary deadlatch
- **ANSI F20**

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim
◊**CAUTION**: Not recommended for use on any door used for Life Safety egress


If shaded, knob or lever rigid at all times


Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

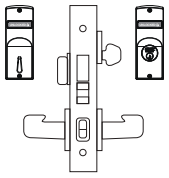
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder with Deadbolt

‡45 Dormitory or Exit

8200, R8200 & 7800

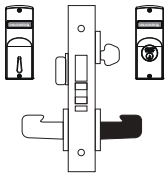


- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Same as an 8243 without Auxiliary Deadlatch
- **ANSI F12**

Note: Indicator shows deadbolt position only

*‡ 50 Hotel Guest

8200, R8200 & 7800

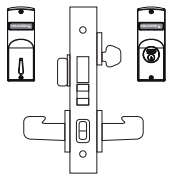


- Hotel Cylinder (50 Function) Required (Standard & Emergency Keys)
- Standard Key retracts latchbolt only, will not retract or project deadbolt
- Emergency Key (ordered separately) will retract latchbolt & deadbolt and also project deadbolt
- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Available with Conventional, LFIC (60- & 63-), Degree (60-, 63-, & 64-) and Keso (82- & F1-82-) key systems
- **ANSI F15**

Note: Indicator shows deadbolt position only

◊47 Front Door or Apartment Corridor Door

8200, R8200 & 7800

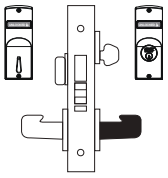


- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside retracts latchbolt only, deadbolt is retracted manually & trim outside remains locked
- **ANSI F08/F10**

Note: Indicator shows deadbolt position only

*51 Storeroom Deadbolt

8200, R8200 & 7800



- Key and thumbturn both retract & project the deadbolt
- Key will also retract latchbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Same as 50 function with a std. cylinder

Note: Indicator shows deadbolt position only

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim



If shaded, knob or lever rigid at all times



Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

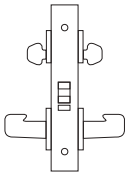
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Double Cylinder without Deadbolt

*‡16 Apartment, Exit or Public Restroom

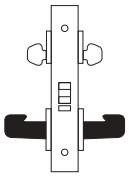
8200, R8200 & 7800



- Key outside retracts latchbolt
- Key inside is required to lock and unlock trim outside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Special -105 cam, required for inside cylinder (supplied)
- **ANSI F09**

◊‡17 Asylum or Institutional

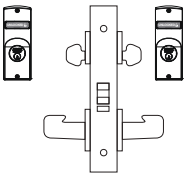
8200, R8200 & 7800



- Key from either side retracts latchbolt
- Trim on both sides are locked at all times
- Auxiliary deadlatch
- **ANSI F30**

*38 Classroom Security Intruder Latchbolt

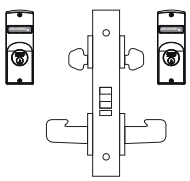
8200, R8200 & 7800



- Key from either side locks & unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F32**

*42 Classroom Security Intruder Latchbolt

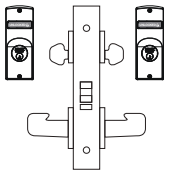
8200



- **Handed function; handing must be specified. This function is NOT field reversible for handing.**
- Key inside only locks outside trim (does not unlock)
- Key outside locks and unlocks outside trim
- Key outside retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

◊59 Double Locking

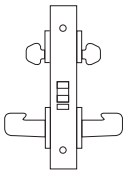
8200 & R8200



- Key from either side locks & unlocks both the inside & outside trims
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking trims
- Auxiliary deadlatch

90 Classroom Security Holdback

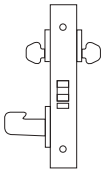
8200



- Key from either side retracts latchbolt, also locks & unlocks outside trim
- Latchbolt can be locked in the retracted position by key from either side
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

92 All Purpose Holdback

8200 & 7800



- Key outside retracts latchbolt
- Key inside can lock latchbolt in retracted position when the lever is rotated
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- 7892 "T " turn is used in place of knob
- Special -105 cam required for inside cylinder (Supplied Standard)
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim


If shaded, knob or lever rigid at all times


Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

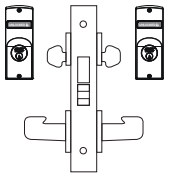
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Double Cylinder with Deadbolt

◊*‡26 Store Door

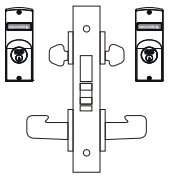
8200, R8200 & 7800



- Key from either side retracts & projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

*40 Classroom Security Intruder Deadbolt

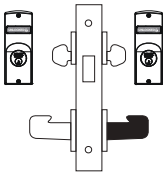
8200, R8200 & 7800



- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch
- **ANSI F34**

29 Dummy Trim Deadlock

8200, R8200 & 7800

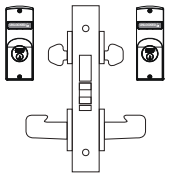


- Deadbolt operation only
- Key on either side retracts & projects deadbolt
- Trim inside retracts deadbolt
- Trim outside is always locked

Note: Indicator shows deadbolt position only

41 Classroom Security Intruder Deadbolt

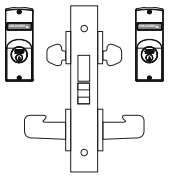
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

*39 Classroom Security Intruder Deadbolt

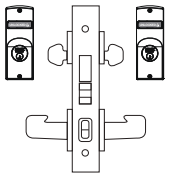
8200, R8200 & 7800



- Key either from side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

46 Dormitory or Exit

8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts both latchbolt and deadbolt, trim outside remains locked
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked

Note: Indicator shows deadbolt position only

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim


If shaded, knob or lever rigid at all times


Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

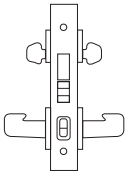
8200/R8200/7800 Series Mortise Locks

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Double Cylinder with Deadbolt

◊48 Store Door

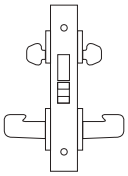
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim outside is locked by toggle or projecting deadbolt and unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts latchbolt only, and outside trim remains locked
- **ANSI F25**

◊49 Security Deadbolt

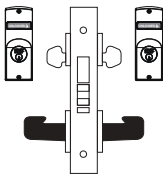
8200 & R8200



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected

◊52 Institutional Deadbolt

8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside and out are always locked
- Auxiliary deadlatch

Note: Indicator shows deadbolt position only



If shaded, knob or lever rigid at all times



Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

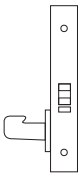
8200/R8200/7800 Series Mortise Locks

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Non-Keyed

13 Exit Latch

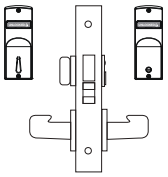
8200, R8200 & 7800



- No outside trim or cylinder
- Trim inside retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F31**

*66 Privacy Bath/Bedroom

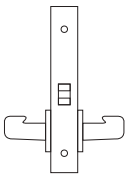
8200, R8200 & 7800



- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency Release retracts and projects deadbolt — by coin, screw driver or Emergency key (14-0057) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**

‡15 Passage or Closet

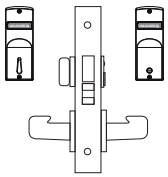
8200, R8200 & 7800



- Trim from either side retracts latchbolt at all times
- **ANSI F01**

◊68 Privacy Bath/Bedroom

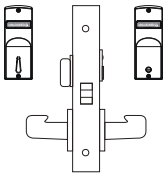
8200, R8200 & 7800



- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt — by coin, screwdriver or Emergency key (14-0057) ordered separately
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

*‡ 65 Privacy Bath/Bedroom

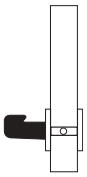
8200, R8200 & 7800



- Trim outside retracts latchbolt except when locked by thumbturn
- Trim inside retracts latchbolt and unlocks outside trim
- Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately
- Thumbturn locks and unlocks trim outside
- Closing the door will unlock outside trim
- **ANSI F22**

93 Trim Dummy

8200, R8200 & 7800



- Trim on inside of door is always rigid
- Trim only used as door pull
- For double door applications, installed on the inactive door, use template #4298 to accept latchbolt from active door

Note: Lever is through-bolted

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*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim



If shaded, knob or lever rigid at all times



Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

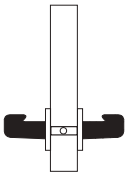
8200/R8200/7800 Series Mortise Locks

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Non-Keyed

94 Trim Dummy

8200, R8200 & 7800

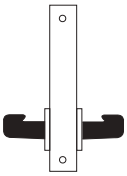


- Trim on both sides are always rigid
- Trim only used as door pull
- Recommended for double door applications on the inactive door, use template #4298, to accept latchbolt from active door

Note: Lever not surface mounted

96 Double Trim Dummy

8200, R8200 & 7800



- Trim on both sides of the door
- Both trims are always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

95 Single Trim Dummy

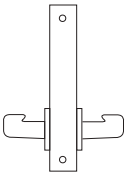
8200, R8200 & 7800



- Trim inside only
- Trim is always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

97 Active Trim Dummy

8200, R8200 & 7800



- Trim on both sides are active
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

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If shaded, knob or lever rigid at all times

Functions & Descriptions

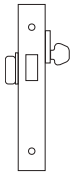
8200/R8200/7800 Series Mortise Locks

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Deadbolt Only

◊03 Classroom Deadlock

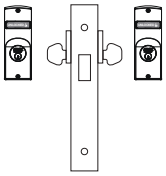
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt only, will not project it
- **ANSI F29**

◊22 Deadlock

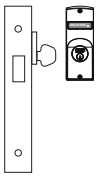
8200



- Deadbolt operation only
- Key outside or inside retracts and projects deadbolt
- **ANSI F16**

◊20 Deadlock

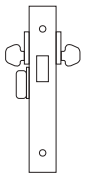
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- No inside operation
- **ANSI F18**

◊23 Classroom Deadlock

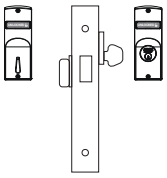
8200



- Deadbolt only operation
- Key outside or inside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt, does not project deadbolt
- Same as 03 function with cylinder inside
- Not Available with Behavioral Health Trim

◊21 Deadlock

8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts and projects deadbolt
- **ANSI F17**

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Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

Electrical Functions & Monitoring Options

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring EcoFlex® Technology*

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

**Patent pending*

Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

Warning:

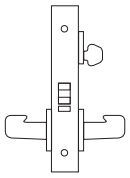
- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

Electromechanical Functions

70 Electrical (Fail Safe)
71 Electrical (Fail Secure)

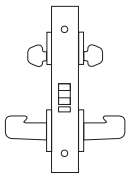
8200 & R8200



- 70 function — Power ON, locks outside lever
- 71 function — Power ON, unlocks outside lever
- Specify voltage: 12VDC or 24VDC (operates from 12-24VDC)
- Key outside retracts latchbolt
- Lever outside retracts latchbolt, except when locked
- Lever outside can only be locked electronically
- Lever inside always retracts latchbolt
- Auxiliary deadlatch

72 Electrical (Fail Safe)
◊73 Electrical (Fail Secure)

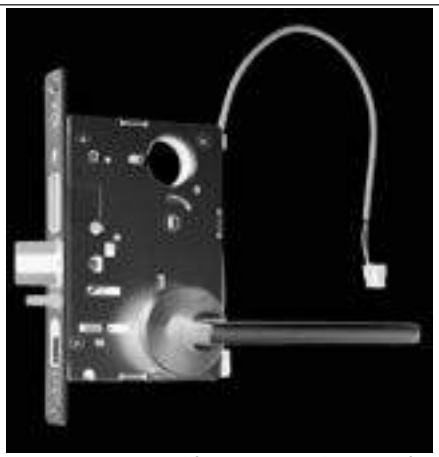
8200 & R8200



- 72 function — Power ON, locks both levers
- 73 function — Power ON, unlocks both levers
- Specify voltage: 12VDC or 24VDC (operates from 12-24VDC)
- Key on either side retracts latchbolt
- Lever from either side retracts latchbolt, except when levers are locked
- Both Levers can only be locked & unlocked electronically
- Levers can not be locked separately, only together
- Auxiliary deadlatch

Electrified Mortise Locks with Standard Monitoring Options

- Single Pole Double Throw (SPDT) type C switches
- **RX- option — Request-to-Exit or Enter Signaling Switch**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions with non rigid levers
  - Not available for the following options: 1-, 3-, 74-
  - Not available for the following trims: LS or FE
- **LX- option — Latchbolt Monitor**
  - Single switch mounted within lockbody signaling latchbolt position
  - Available for all non deadbolt functions
  - Not available with DX or 74-
- **DX- option — Deadbolt Monitor**
  - Switch mounted internally in lockbody that indicates deadbolt position
  - Not available for the following options: 3-, 74- or LX-
  - Available in all deadbolt functions



◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Electrical Functions & High Security Monitoring Options

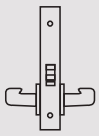
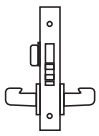
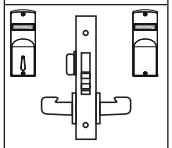
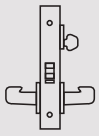
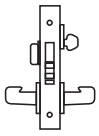
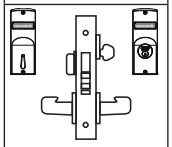
8200/R8200/7800 Series Mortise Locks

SARGENT ASSA ABLOY

Electrified Mortise Locks with High Security Monitoring:

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

Function	Description		Illustration
NAC-82274	Fail Safe	No key override, no deadbolt	
NAC-82275	Fail Secure		
NAC-82284	Fail Safe	No key override with deadbolt	
NAC-82285*	Fail Secure		
NAC-82270	Fail Safe	Key override, no deadbolt	
NAC-82271	Fail Secure		
NAC-82280	Fail Safe	Key override with deadbolt	
NAC-82281*	Fail Secure		

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

Indicator available for NAC-82281 and NAC-82285, Fail Secure, only when used with PHR option

 Indicator options available for both sectional and escutcheon trim.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string

  Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

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Electrical Requirements & Accessories

8200/R8200/7800 Series Mortise Locks

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

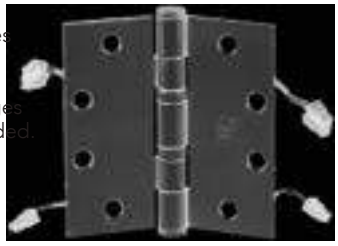
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect an 8200 & R8200 Electrified Mortise Lock to the electronic access control system, the following items are required:

- 8200 & R8200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® Hinges for 8270-8274 functions and the RX- Option is recommended.
McKINNEY QC12 ElectroLynx® Hinges for LX- or DX- Option is recommended.



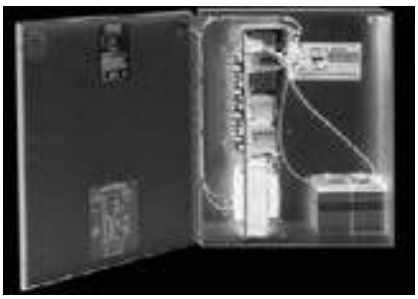
Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear…and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.

Additional information regarding this product can be found at www.securitron.com



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide
  switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Indicators

7800/8200 Series Mortise Locks

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Applications

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors



Features

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 34 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patented curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions

- Indicators are available with the following 7800 and 8200 Series functions. See pages 19-28 for details.

05	37	51
20	38	52
21	39	56
22	40	57
24	41	58
25	42	59
26	43	65
28	45	66
29	46	67
30	47	68
36	50	NAC-PHR-82281
		NAC-PHR-82285

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Indicators

7800/8200 Series Mortise Locks

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Sectional Trim

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.

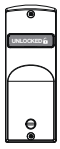
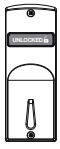
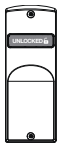


Retrofit/Upgrade Kits

Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits, specify by model number. Door thickness, handing and indicator option code must also be specified with kit. Retrofit/upgrade kits with directional engraving must include lock handing.

See page 36 for how to order examples. **Note: Indicators for both sides of door require two kits.**

	Model #	Used with Functions	Available Option Codes	Indicator Location
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside*
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	56, 57, 58, 65, 67		
	SA198	05		
	SA197	30, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside, Outside

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

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Indicators

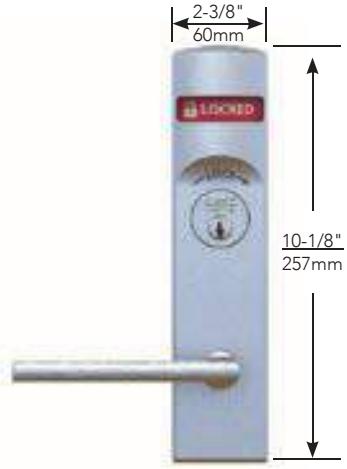
7800/8200 Series Mortise Locks

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Escutcheon Trim

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select lever designs: MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



Trim Kits

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see pg. 35 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

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Indicators

7800/8200 Series Mortise Locks

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Indicator Option Codes

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.



Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red
Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red
Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

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Indicators

7800/8200 Series Mortise Locks

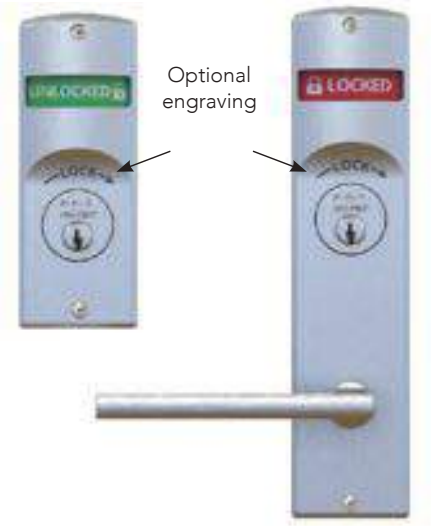
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Engraving Options

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door

Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim.



How to Order Examples

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Classroom Security Intruder Latchbolt function x sectional trim x single indicator inside – Unlocked/Locked – Red/White

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Hand	Finish
V04	SA190	1-3/4"	RH	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.
** The function of the existing lock is required so the proper escutcheons can be provided.

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Indicators

7800/8200 Series Mortise Locks

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Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

Inside Only

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  – 30, 36 & 37 Functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  – 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish



185C

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  – 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish



185P

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending design
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:



Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

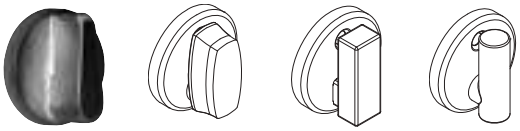
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Thumbturn Designs

8200/R8200/7800 Series Mortise Locks

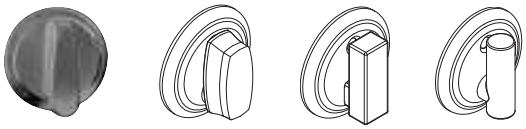
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130KB Round Backplate
(Shown with Standard Turn)



- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate
(Shown with Standard Turn)



- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate
(Shown with Large ADA Turn)



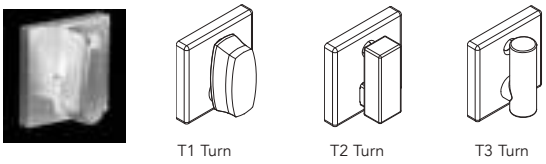
- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

126 T-Turn
(7892 function only)



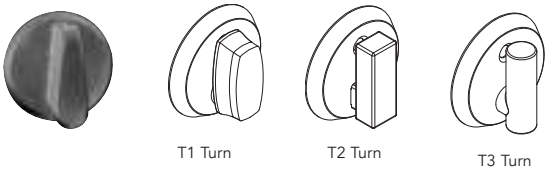
- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate
(Shown with Standard Turn)



- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate
(Shown with Standard Turn)



- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim



- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate
(Shown with Standard Turn)



- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

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Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

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Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)



- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Studio Collection Emergency

- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184W Emergency Release (used with 7800 with sectional trim)



- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)



- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)



- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

Accessories

130KBCVR Cap



- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap



- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit

Refer to page 51 for a complete list of kits

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Cylinders

8200/R8200/7800 Series Mortise Locks

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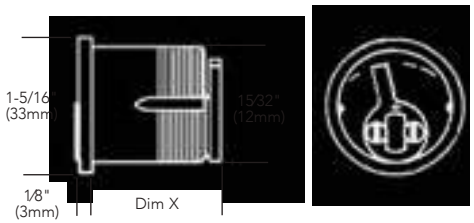
Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder



- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder



- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMX x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

10- Option Signature Series



- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

F1-82- and 82- Option KESO



- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

78- Option Exposed Barrel



- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

11- Option XC Key System



- Patented system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

124 Series Mortise Cylinder Turn Lever



- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

DG1, DG2, DG3 - Degree Series



- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

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Cylinders & Rosettes

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

51- Option Old Style Removable Core



- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core



- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core



- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core



- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing
  11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar



- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:
  1SB-1 5/16" (8mm)
  1SB-2 7/16" (11mm)
  1SB-3 9/16" (14mm)
  1SB-4 11/16" (16mm)
- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim



- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:
  1KB-1 5/16" (8mm) — Standard
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)
  1KB-4 11/16" (16mm)

IKA Rosette with 8200 sectional trim



- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:
  1KA-1 5/16" (8mm) — Standard
  1KA-2 7/16" (11mm)
  1KA-3 9/16" (14mm)
  1KA-4 11/16" (16mm)
  1KB-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette



- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring



- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap



- Required for double cylinder functions on KS and LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

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Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

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Single Cylinder

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Sectional and Escutcheon Trim with V Series Indicators

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

Double Cylinder

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43		1KA-4	1KA-3	1KA-2

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Sectional and Escutcheon Trim with V Series Indicators

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

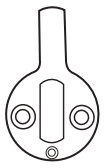
- Standard



Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam



-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

See Cylinder catalogs for additional information

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required



Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks



-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder



-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

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Strikes & Fronts

8200/R8200/7800 Series Mortise Locks

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- Curved lip strikes: Brass, bronze or stainless steel
- 877 Open back strike: Brass plated
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws

Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8" – 1-1/2" (35mm - 38mm)	82-0109	1-1/8" (29mm)
1-5/8" – 1-3/4" (41mm – 44mm)	**82-0110 Standard**	**1-1/4" (32mm)**
1-7/8" – 2" (48mm – 51mm)	82-0111	1-3/8" (35mm)
2-1/8" – 2-1/2" (54mm – 64mm)	82-0112	1-5/8" (41mm)
2-5/8" – 3" (67mm – 76mm)	82-0113	1-7/8" (48mm)
3-1/8" – 3-1/2" (79mm – 89mm)	82-0114	2-1/8" (54mm)
3-3/8" – 4" (86mm – 101mm)	82-0115	2-3/8" (61mm)
4-1/8" – 4-1/2" (105mm – 114mm)	82-0116	2-5/8" (67mm)
4-5/8" – 5" (117mm – 127mm)	82-0117	2-7/8" (73mm)

Strike screw: 01-1019 x finish

- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- Specify part number when ordering with complete lock

877 Open Back Strike

- **Strike handed by active leaf**

Door Thickness	Part No. RHRB	Part No. LHRB
1-3/4" (44mm)	82-0332	82-0333
2" (51mm)	82-0334	82-0335
2-1/4" (57mm)	82-0336	82-0337
2-1/2" (64mm)	82-0338	82-0339
2-3/4" (70mm)	82-0340	82-0341
3" (76mm)	82-0342	82-0343

- Open back strike not available for deadbolt functions

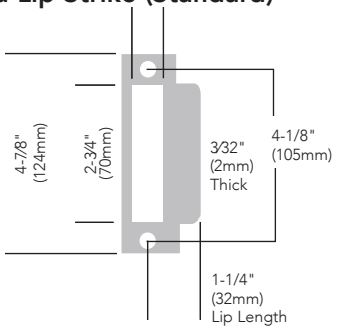
Outside Front Plate

(for 1- options fronts, consult factory)

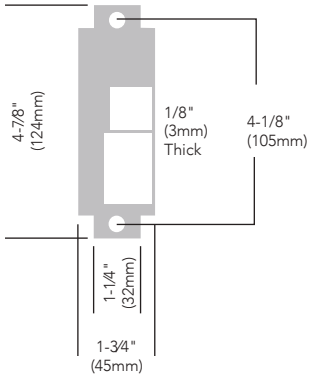
Standard 1-1/4" (32mm)	Functions
82-0080	15, 65
82-0081	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 56, 57, 58, 59, 67
82-0082	03, 20, 21, 22, 23, 28, 29, 30
82-0083	24, 25, 26, 27, 35, 39, 49 66, 68
82-0084	40, 41, 50, 51, 52
82-0086	45, 46, 47, 48
82-0087	43
82-0088	89, 90, 91, 92
82-0578	70, 71, 72, 73, 78, 79
82-0549	76, 77
82-0627	95, 96, 97
82-0085	55

Outside front screws: 01-1028 x finish

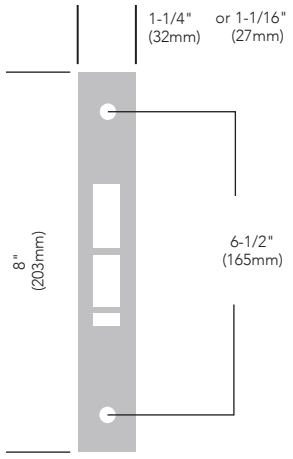
Curved Lip Strike (Standard)



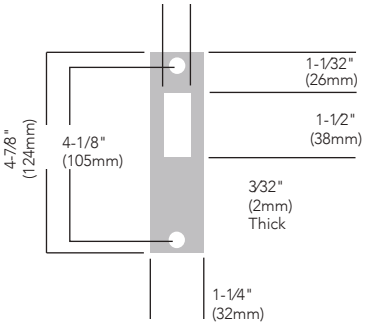
877 Open Back Strike



Outside Front Plate



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23, 28, 29, 30

77-1141 Wrought Box Strike



- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike. standard for 1-3/4" to 2" doors.

Specify 2-677 for 2-1/4" thick doors. Hardware finished.

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ADA and Handicap Warning

8200/R8200/7800 Series Mortise Locks

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ADA and Handicap Warning

Lever Return to Door



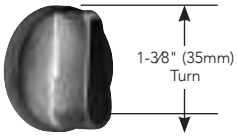
- Lever designs J, L and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

Tactile Handicapped Warning



- Abrasive Coating: Options 85-, 86- & 87-
  - – Complete lever abrasive coated
- Milled 1/16" Grooves: Options 75-, 76- & 77-
  - – B, E, J, L, P and W Levers — Grooves on backside surface of lever
  - – F Lever — Grooves on top and bottom surface of lever

Standard Thumbturn



- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

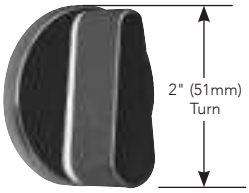
See page 38 for design

Tactile Handicapped Warning



- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

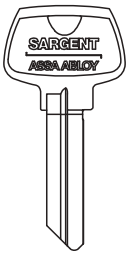
LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 38 for design

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Mechanical Options

8200/R8200/7800 Series Mortise Locks

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Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	—	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	—	X
	37-	Spanner head security screw (not available with Studio levers)	X	—	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X	X
	50-	Secured indicator rose (available with rose trim only)	X	—	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	—	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	—	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	—	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	—	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	—	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	—	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	—	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	—	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	—	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	—	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	—	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	—	X
	EMA	Outside Engraving with "Lock" and Directional Arrow	X	—	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	—	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	—	X
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	—	—

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

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Mechanical Options

8200/R8200/7800 Series Mortise Locks

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Categories	How to Specify	Detailed Description	8200	R8200	7800
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—	—
Lead Lining	74-[2]	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	X	—	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	85-[3]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-[3]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-[3]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	—	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-[1]	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only
2 Not available in combination
3 Entire lever surface provided with abrasive coating

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*+	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*+	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder — (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core — (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
	22-*	SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder

\+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	**LC-**	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only
Note: For V-10 Cylinders and information contact ASSA			

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

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How To Order, Finishes, Packaging & Security Screw Chart

8200 Series Mortise Locks

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How to Order 8200, R8200 & 7800 Series Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR RH LHR LH
			Must be specified for Functions 70, 71, 72 & 73				

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/ BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

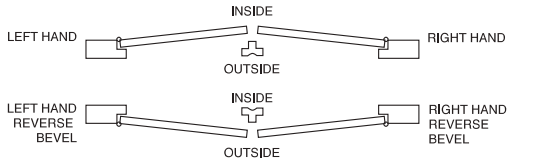
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

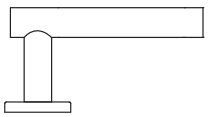
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How to Order Gramercy Series Levers

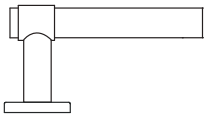
8200/R8200/7800 Series Mortise Locks

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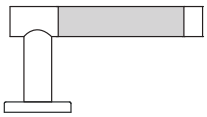
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629

How to Order 8200 Series Mortise Locks with Gramercy Levers

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from pages 45-48	82	Select from pages 19-28	Specified for electrical functions	Select from pages 10-13	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	82	71	12VDC	LN	RAL	29BN29	RH

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons

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Multi-Functional Lockbody

8200/R8200/7800 Series Mortise Locks

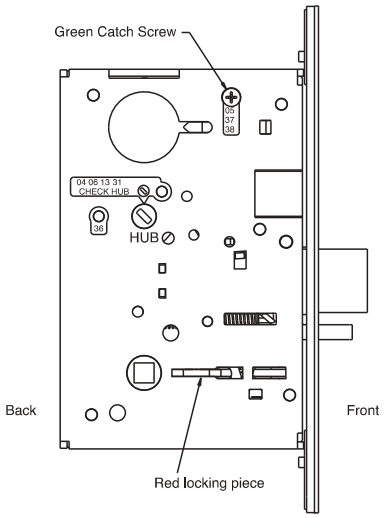
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How to Change Lock Function:

The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function.

There are three locations: one location for 05, 37 & 38 functions; one location for 04, 06, 13, & 31 functions; and one location for 36 function.

Note: To change to functions 04, 06, 13, & 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.



Function & Part Listing for the Multifunction Lockbody

Function	#41 Cylinder	Cyl. Collars	Lever/Knob Requirements	Thumb turn
04 Store Room / Closet (F07)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
05 Office / Entry (F04)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	++ 1
06 Store Room / Service	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
13 Communicating / Exit	Not used	Not used	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
31 Utility	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
36 Closet	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
37 Classroom (F05)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
38 Classroom Security (F32)	2	* 2 - 1KB-2	** Inside Trim Set & *** Outside Trim Set	Not used

***Cylinder Collars:** Noted are based on 1-3/4" Thick Doors with standard #41 size cylinders. Other sized doors and cylinders will required different collar sizes and possibly blocking rings - see chart on page 41 of this catalog for details
****Inside trim sets include:** Inside lever/knob, inside rose or escutcheon, trim pack (spindles, through-bolt screws, set screw, inside adapter plate assembly), trim finish screws (for escutcheons)
*****Outside trim sets include:** Outside lever/knob, outside rose or escutcheon, outside mounting plate, two through-bolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only)
+ Trim One-Side Kit includes: adapter assembly, spindle, through-bolt screws and plate adapter assembly. An inside lever is always used with this kit and is used on either side of the door as required
++ Thumb turn: Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs.
Escutcheon trims require escutcheon to be ordered according to function/design, to receive thumb turn affixed to it

Type of Rose/Escutcheon		Kit Part Number
Trim One Side Kit	**E, O, KW, LN & LW1** (Standard trim only — not for use with Studio levers)	**82-3208**
Trim One Side Kit	**KE & LE (1 & 3)** (Standard trim only — not for use with Studio levers)	**82-3209**
Trim One Side Kit	**L Rose & WT**	**82-3210**
Trim One Side Kit	**Blank Rose (1-3/4" door)**	**82-4023**

Note: 8200/R8200/7800 Series Mortise Locks are certified for all functions including electrical functions and trims without exceptions.

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Architectural Specifications

8200/R8200/7800 Series Mortise Locks

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2.1 Heavy Duty Mortise Locks

A. Heavy duty mortise locks shall be 8200/R8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lockbody.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m).
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" inch (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
   6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H. Strikes shall be non-handed with a curved lip.
I. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Provide status indicators with highly reflective color and wording for "locked/unlocked" or "vacant/occupied" with customer wording options if required. Indicator to be located above the cylinder with the inside thumbturn not blocking the visibility of the indicator status. Indicator window size to be a minimum of 2.1" x 0.6" with a curved design allowing a 180 degree viewing angle with protective covering to prevent tampering.
L. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim or integrated trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

2.2 EcoFlex® Electrified Mortise Locks

A. SARGENT 8200/R8200 Electrified Mortise Locks
   1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one-piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL listed and labeled for use on up to 3 hour fire rated openings.
      a. Backsets: 2-3/4".
      b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
      c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
   2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
      a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
      b. Inside lever retracts latch and deadbolt simultaneously for free egress.
      c. Refer to "KEYING" specification section for keying system requirements.
      d. Lever and finish to match corresponding mechanical locking hardware.
   3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
      a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
      b. Operationally voltage-insensitive 12 to 24 VDC.
      c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
      d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
   4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
   5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
      a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
      b. Source power electrical hard wiring and connections by others.
   6. Specified Manufacturer: Sargent Manufacturing (SA) — 8200/R8200 Series.

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Notes

8200/R8200/7800 Series Mortise Locks

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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9200 Series

High Security Mortise Lock and M-9200 Series MOGUL Institutional Mortise Lock

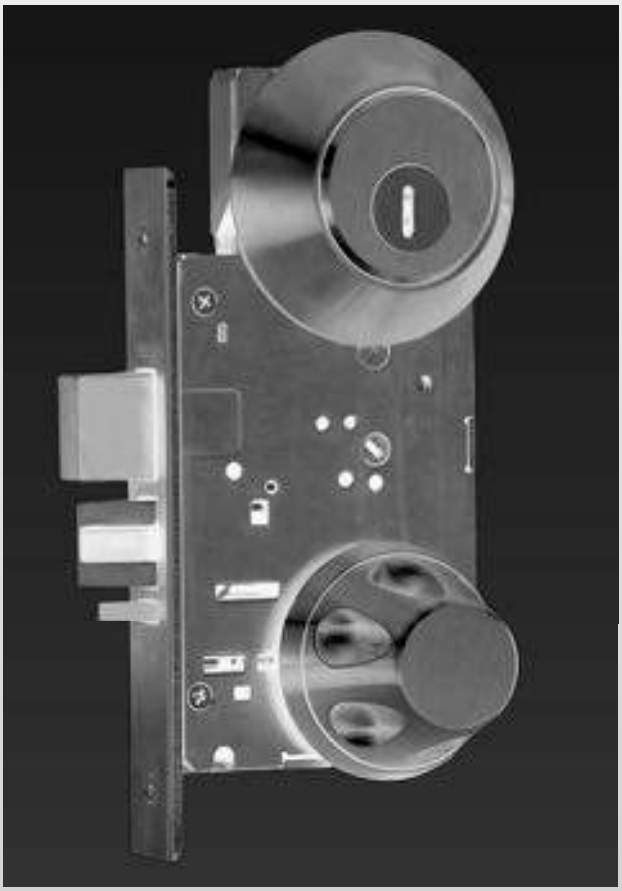


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9200 Mortise Locks

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MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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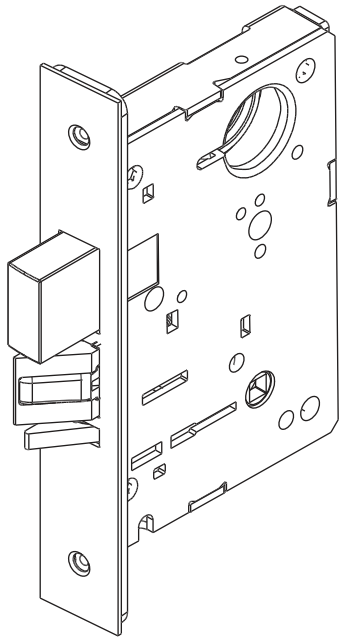
On the Cover

M-9225 BHD (Detention Knob)

SARGENT®
ASSA ABLOY

Features

9200 Series Mortise Locks



9200 High Security Mortise Lock with Builders Hardware Cylinder

The 9200 High Security Mortise Lock is designed for use on openings that withstand extreme abuse, vandalism and malicious impact. It is well-suited for exposed perimeter doors in commercial facilities, such as warehouses, factories and malls. Psychiatric and minimum security detention facilities are also well-served with SARGENT 9200.

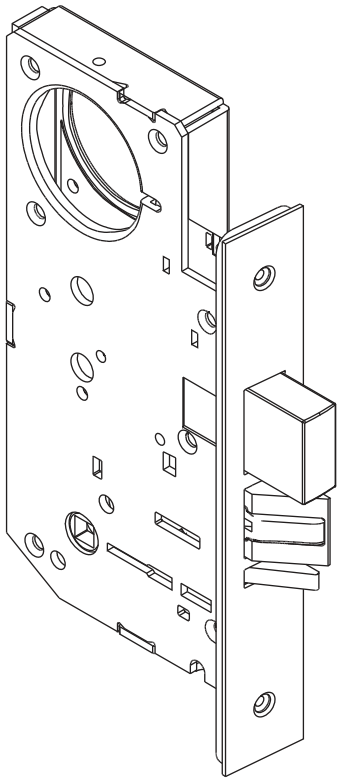
- Furnished standard for 1-3/4" thick doors. Available for doors up to 3" thick (For other sizes, consult factory)
- Furnished with standard SARGENT cylinders (Available with High Security Keso F1 or Signature Security Cylinders or interchangeable core cylinders)
- Masterkey, Grand Masterkey and Construction Masterkeying available
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security roses & escutcheons available

M-9200 Institutional Mortise Lock with Mogul Cylinder

The M-9200 Institutional Mortise Lock is designed for use in detention facilities, holding areas and psychiatric facilities.

- Lock face and strike fit the standard ANSI door edge and frame preparation
- Furnished standard for 1-3/4" thick doors
- Mogul Cylinders purchased separately through ASSA
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security rose trim standard
- 4 lever designs available (B,J, L & P)
- K (standard) knob & D (detention) Knob with security rose are available (specify 67-, 68- or 69-)

Note: M9200 to be used on metal doors only



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Features

9200 Mortise Locks

Physical Security

High Security Mortise Locks and Institutional SARGENT® Mortise Locks are designed specifically for the commercial and institutional marketplace. High quality components provide high security, optimum performance and exceptional durability.

The 9200 Locks are also available as electromechanical locks in fail safe or fail secure versions. These solenoid operated locks are available with a 12 or 24 volt solenoid and are designed for intermittent and/or continuous duty. Full wave bridge rectification is factory installed, enabling the use of AC or DC power.

Features of the 9200/M-9200 High Security Mortise Locks:

- Stainless Steel 3/4" one-piece anti-friction latchbolt with hardened alloy steel latchbolt rod
- Reversible non-handed lock
- Stainless Steel non-handed deadlatch
- Hardened Stainless Steel 1" throw investment cast deadbolt
- 12 gauge heavy duty wrought steel case and cap with ZCR plating
- Cold forged hardened alloy steel hubs standard
- Inside front full 1/8" hardened high carbon steel
- All exposed screws are Torx® Security type for SN, SL and LS trims. (Torx® available for other trims, specify 36-option)
- Meets ANSI/BHMA A156.13 Series 1000 Operational Grade 1
- Meets ANSI/BHMA A156.13 Series 1000 Security Grade 1 with all standard trims
  Note: LFIC (Removable) and SFIC Cylinders do not meet Security Grade 1 requirements
- Complies with **ASTM F1577-95b Detention Locks** for Swinging Doors
  Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only
  Paragraph 6.2 Level 3 Impact for latchbolt only
  Paragraph 6.4 for Cylinder Cycle (ASSA V-10 and ASSA Mogul V-10)
  Paragraph 6.6 for Mechanical Release Force (ASSA V-10 and ASSA Mogul V-10)
  Paragraph 6.8 Mechanical Release Operation Cycle (ASSA V-10 and ASSA Mogul V-10)
- **Complies with ANSI/ASTM F476-84 Grade 40** with concealed mortise cylinder
- Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies; 3 hour for single doors up to 4'0" x 10'0" and ASTM F1577-95b Paragraph 6.3
- Levers meet A117.1 Accessibility Code -ADA
- Easy operation; 30° of rotation to retract latchbolt
- Meets UL 437 for high security cylinders with ASSA V-10 and ASSA V-10 Mogul cylinders only
- Ten year limited warranty

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

How to Order 9200 Series Mortise Locks

M-	92	05	-	SN	L	32D	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see page 13-15	92 Mortise Lock	Pages 7-11 for Details	12VDC 24VDC	Pages 5 & 6	Levers & Knobs Pages 5 & 6	Page 16	RHR
							RH
			Must be specified for Functions 70, 71, 72 & 73				LHR
							LH

* Multiple options can be selected
Note: For M9200 Mogul Cylinder Mortise Locks specify the M- option for Mogul

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Lever, Knob & Rose Designs

9200 Mortise Locks

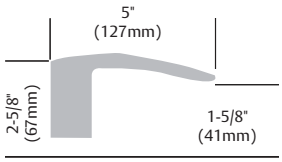
SARGENT® ASSA ABLOY

- Designs J, L and P return within 1/2" (13mm) or less off door face and meet ADA Compliance for national codes
- All lever designs can be used with all standard rose and escutcheon designs

B Lever Design

- Lever: B-Solid forged or cast

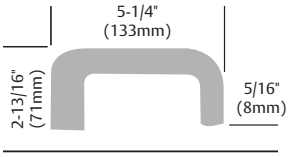




J Lever Design

- Lever: J-Solid bar stock

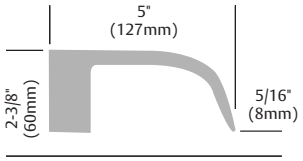




L Lever Design

- Lever: L-Solid forged or cast

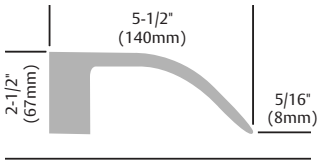




P Lever Design

- Lever: P-Solid forged or cast





BHW Trim

- Available in 26 functions - see Specialty Hardware Catalog for list
- Tapered surfaces on all components
- Handed
- ADA Compliant
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits
  694-1 Trim only, non-keyed functions
  694-2 Trim only, single cylinder functions
  694-3 Trim only, double cylinder functions
- Patent pending and/or patent www.assaabloydss.com/patents



D Knob

- Available with BH or SL Roses only
- Designed for detention and psychiatric facilities
- Does not meet ADA requirements
- **Must Specify 67-, 68-, & 69- Option when ordering**
- **Only available in 32D**

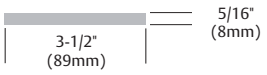
Note: Rotates only in one direction (toward hinge)



L Rose Design

- Rose: L-Heavy wrought

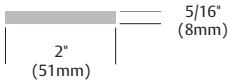




LN Rose Design

- Rose: LN-Heavy wrought

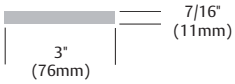




BH Rose Design

- Rose: BH-Heavy wrought
- Used with Detention Knob only

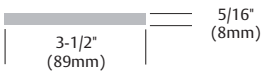




SL Rose Designs

- Security L Rose (SL) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function

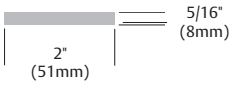




SN Rose Design

- Security LN Rose (SN) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function



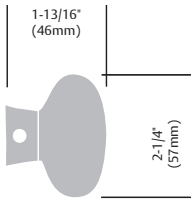


"K" Knob Design

- Knob: Cast
- Available with SN & SL Roses and LS Escutcheon
- **Must Specify 67-, 68-, & 69- Option when ordering**

Note: Rotates only in one direction (toward hinge)





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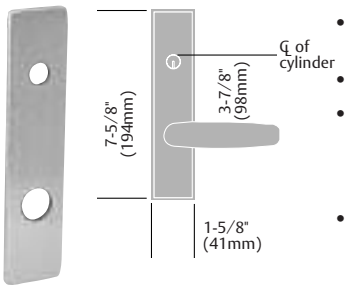
Escutcheons, Anti-Vandal Trim, Collars & Thumb Turns

9200 Mortise Locks

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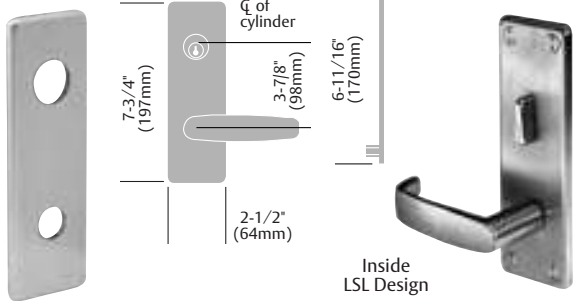
LE3/LE4 Escutcheon (shown with B Lever)

- Escutcheon with concealed cylinder, Exposed Barrel Only
- Escutcheon: LE-Forged
- LE3- (2) Exposed thru-bolt screws inside
- LE4- (2) Concealed through-bolt screws
- Not available with Mogul Cylinder (M-Option)
- **Not available with double cylinder functions and 06, 35 & 50 function locks**



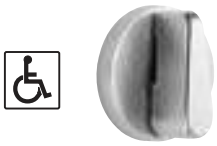
LS Escutcheon (shown with L Lever)

- Escutcheon: LS-Forged
- Security Trim
- (4) Spanner security through-bolt screws are exposed on inside escutcheon
- Double cylinder functions, cylinders protrude from escutcheon face
- Not available with Mogul Cylinder (M-Option)
- **Not available with electrical functions and 06 & 35 function locks**



Note: Only available with Cylinder Options: 10-, 11-, 21-, 22- & BR-

130SKB Thumb Turn for 9200



130SB Thumb Turn for M-9200



130KBHA Thumb Turn for 9200



1SB Cylinder Collar for 9200

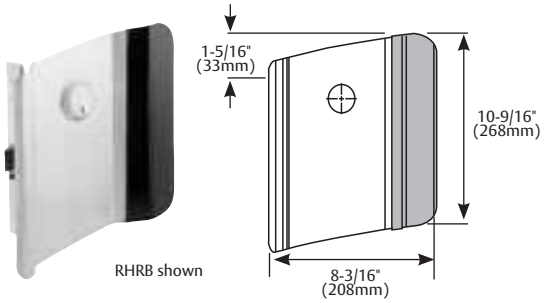


1MB Cylinder Collar for M-9200 Mogul Cylinders



9200 Anti-Vandal Option (AV-)

Designed for exterior doors that require extra security or resistance to vandalism. Anti-vandal trim (AV) plates have an extended lip on the active side of the door providing extra protection for the latch, deadbolt and guardbolt. A matte plastic coated grip edge provides a comfortable pull appropriate over a wide temperature range. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.



Features

- Heavy duty 12 gauge stainless steel in 32D finish
- Through-bolted through mortise lock body and door for added strength
- Handed – Specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Not available with escutcheon trim
- Functions available: See chart to the right
- Available without protective lip for inactive doors
- To order the Anti Vandal Trim with the lock specify: AV- Option
  Example AV-8204 x LNJ x RH x 32D
- Only available in 32D finish
- To order the Anti Vandal Trim as a Kit, specify kit number 667 with suffix as required based on function and hand of the lock as seen in the chart to the right

Note: The AV trim is not available for the M-9200's

667 AV Kit

Retrofit kits for 7800, 8200 & 9200 mortise locks

667 Kit includes:

- AV Pull (Handed)
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17 and 50 -1 & -2 Trim has an extended lip, cylinder hole and through bolt post for mounting Inside trim
667-3 82-4036	667-4 82-4037	03, 20, 21, 22, & 23 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5 82-4044	667-6 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

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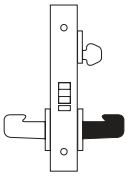
Functions

9200 Mortise Locks

Available Functions for 9200 and M-9200
Single Cylinder without Deadbolt

04 Storeroom or Closet

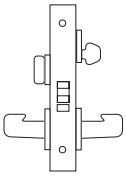
9204, M-9204



- Key outside or lever/knob inside retracts latchbolt
- Lever/knob outside rigid at all times
- Lever/knob inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F07**

05 Office or Entry

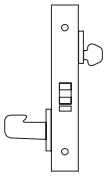
9205, M-9205*



- Key outside retracts latchbolt when outside Lever/knob is locked
- Lever/knob inside retracts latchbolt only, outside Lever/knob remains locked
- Lever/knob outside is locked/unlocked by thumb turn inside or by key outside
- Auxiliary deadlatch
- **ANSI F04**

06 Storeroom or Service

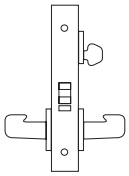
9206, M-9206



- No outside lever/knob, cylinder only
- Lever/knob inside or key outside retracts latchbolt
- Auxiliary deadlatch
- Same as 04 Function without lever/knob outside

37 Classroom

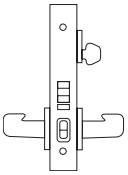
9237, M-9237



- Key outside locks and unlocks lever/knob outside
- Key outside retracts latchbolt
- Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/knob inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F05**

55 Office or Entry

9255, M-9255

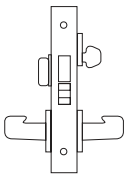


- Key outside retracts latchbolt when outside Lever/knob is locked
- Lever/knob inside retracts latchbolt only, outside lever/knob remains locked
- Lever/knob outside is locked by toggle only
- Auxiliary deadlatch

Single Cylinder with Deadbolt

✦24 Storeroom Door

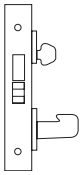
9224, M-9224*



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/knob either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F21**

✦35 Storeroom

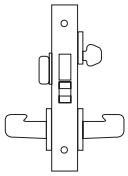
9235, M-9235



- Key outside retracts and projects deadbolt
- Lever/Knob outside retracts latchbolt, except when deadbolt is projected
- Inside: no lever/knob or cylinder

25 Dormitory or Exit

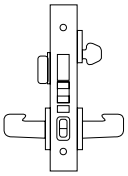
9225, M-9225*



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/knob from either side retracts latchbolt, when the deadbolt is in the retracted position
- Lever/knob outside is locked, when the deadbolt is projected
- When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
- **ANSI F13**

43 Apartment Corridor Door

9243, M-9243*



- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked
- Lever/knob outside is locked by toggle or projecting deadbolt
- Lever/knob outside is unlocked by toggle only
- Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- Auxiliary deadlatch
- **ANSI F20**

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

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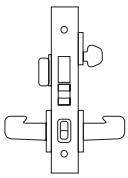
Functions

9200 Mortise Locks

Single Cylinder with Deadbolt

45 Dormitory or Exit

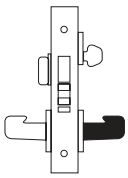
9245, M-9245*



- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked
- Lever/knob outside is locked by toggle or projecting deadbolt
- Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- Same as 43 function without auxiliary deadlatch
- **ANSI F12**

50 Hotel Guest

9250

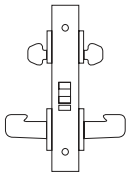


- Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency)
- Standard Key outside retracts latchbolt only, will not retract or project deadbolt
- Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt
- Thumb turn inside retracts and projects deadbolt
- When the deadbolt is projected, it shuts out all keys except the emergency key
- Lever/knob inside retracts both latchbolt and deadbolt simultaneously
- Lever/knob outside is always rigid
- Auxiliary deadlatch
- Not available with Mogul (M-) Option
- Not available with certain key systems (See Option Chart)
- **ANSI F15**

Double Cylinder without Deadbolt

16 Apartment, Exit or Public Restroom

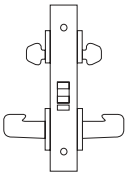
9216



- Key outside retracts latchbolt, when outside lever/knob is locked
- Key inside is required to lock and unlock lever/knob outside
- Lever/knob either side retracts latchbolt, unless outside lever/knob is locked by key inside
- Lever/knob inside always operable
- Auxiliary deadlatch
- Special cam required for inside cylinder
- **ANSI F09**

38 Classroom Security Intruder Latchbolt

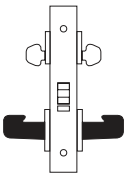
9238, M-9238



- Key from either side locks and unlocks lever/knob outside
- Key from either side retracts latchbolt
- Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/knob inside always retracts latchbolt
- Auxiliary deadlatch
- Same as 37 function with two cylinders
- **ANSI F32**

✦17 Asylum or Institutional

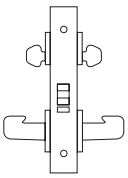
9217, M-9217



- Key from either side retracts latchbolt
- Lever/knob on both sides rigid at all times
- Auxiliary deadlatch
- **ANSI F30**

✦59 School Security

9259



- Key from either side locks and unlocks inside & outside levers/knobs
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking levers/knobs
- Auxiliary deadlatch

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

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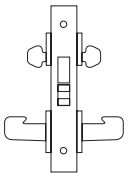
Functions

9200 Mortise Locks

Double Cylinder with Deadbolt

✦26 Store Door

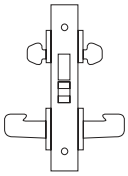
9226, M-9226



- Key from either side retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- Same as 24 Function with two cylinder and no thumb turn
- **ANSI F14**

*39 Classroom Security Intruder Deadbolt

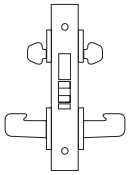
9239, M-9239



- Key either side retracts or projects deadbolt to unlock or lock lever/knob outside
- Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside
- Same as 25 function with a cylinder inside in place of thumb turn
- **ANSI F33**

40 Classroom Security Intruder Deadbolt

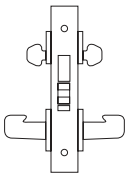
9240, M-9240



- Key either side retracts or projects deadbolt to unlock or lock lever/knob outside
- Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside
- Auxiliary deadlatch
- Same as 39 function with Auxiliary deadlatch
- **ANSI F34**

41 Classroom Security

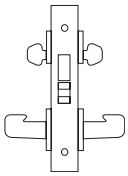
9241



- Key from either side retracts and projects deadbolt
- Key retraction of deadbolt, lever/knob outside remains locked
- Key retraction of latchbolt from either side unlocks lever/knob outside
- Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key
- Lever/knob outside is locked when the deadbolt is projected
- Lever/knob inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- Auxiliary deadlatch

✦49 Security Deadbolt

9249

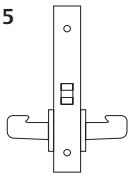


- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Levers/knobs inside & outside are locked only when deadbolt is projected

Non Keyed Functions are available for 9200 Series only

15 Passage or Closet

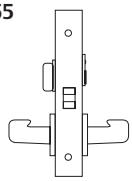
9215



- Lever/knob from either side retracts latchbolt at all times
- **ANSI F01**

65 Privacy Bedroom or Bath

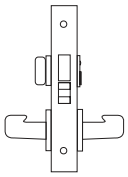
9265



- Lever/knob outside retracts latchbolt except when locked by thumb turn inside
- Lever/knob inside retracts latchbolt and unlocks outside lever/knob
- Emergency Release unlocks lever/knob outside
- Thumb turn locks and unlocks lever/knob outside
- Closing the door will unlock lever/knob outside
- **ANSI F22**

66 Privacy Bedroom or Bath

9266



- Lever/knob outside retracts latchbolt except when deadbolt is projected
- Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob
- Emergency Release retracts and projects deadbolt
- Thumb turn retracts and projects deadbolt
- **ANSI F19**

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress



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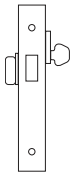
Functions

9200 Mortise Locks

Deadbolt Only

✦03 Classroom Deadlock

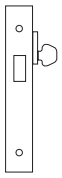
9203, M-9203



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumb turn inside retracts deadbolt only, will not project it
- **ANSI F29**

✦20 Deadlock

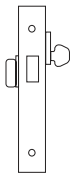
9220, M-9220



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- No inside operation
- **ANSI F18**

✦21 Deadlock

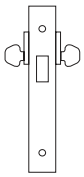
9221, M-9221



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumb turn inside retracts and projects deadbolt
- **ANSI F17**

✦22 Deadlock

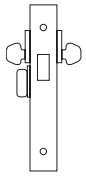
9222, M-9222



- Deadbolt operation only
- Key outside or inside retracts and projects deadbolt
- **ANSI F16**

✦23 Classroom Deadlock

9223, M-9223

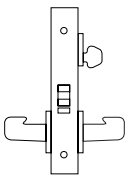


- Deadbolt only operation
- Key outside or inside retracts and projects deadbolt
- Thumb turn inside retracts deadbolt, does not project deadbolt
- Same as 03 function with an extra cylinder inside

Electromechanical Functions (Not available with M-9200 locks)

70 Electrical Fail Safe
71 Electrical Fail Secure

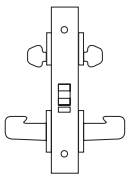
9270, 9271



- Solenoid activated mortise lock
- 70 function - Power ON, locks outside lever (by solenoid)
- 71 function- Power OFF, locks outside lever (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key outside retracts latchbolt, when the lever outside is locked
- Lever outside retracts latchbolt except when lever outside is lock
- Lever outside can only be locked with the solenoid
- Lever inside always retracts latchbolt
- Supplied with ElectroLynx® connectors
- Auxiliary deadlatch

72 Electrical Fail Safe
✦73 Electrical Fail Secure

9272, 9273



- Solenoid activated mortise lock
- 72 function - Power ON, locks both levers (by solenoid)
- 73 function- Power OFF, locks both levers (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key on either side retracts latchbolt, when the lever are locked
- Lever from either side retracts latchbolt, except when lever are locked
- Lever on both sides can only be locked with the solenoid
- Lever can not be locked separately, only together
- Supplied with ElectroLynx connectors
- Auxiliary deadlatch

✦ **CAUTION**: Not recommended for use on any door used for Life-safety egress

NOTE: The following functions are NOT Available as M9200 Mogul Locks:
15, 41, 49, 50, 59, 65, 66, 70, 71, 72 & 73 function locks

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Electromechanical Information & Power Supplies

9200 Mortise Locks

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Electrical Functions

SARGENT 9200 Electromechanical Mortise locks are designed to handle single openings, stand alone applications or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A 156.13 Grade 1 requirements, are UL listed for fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

- See Page 10 for full function descriptions of lock operation

Applications: Security and restricted access areas in computer rooms, offices, equipment rooms, laboratories and hospitals. Can also be used with fire and alarm controls in buildings and stair tower doors.

Electrical Requirements:

Voltage: 12VDC or 24VDC Regulated. Full wave rectification installed inside the lockbody.

Current: .25A at 24VDC or .5A at 12VDC
Operating Temp.: Max. 151°F (66°C),
Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended.

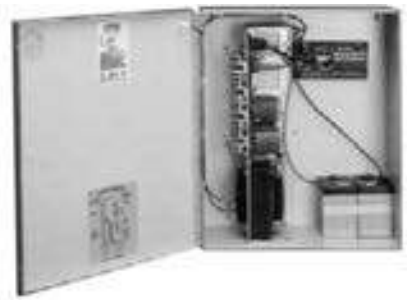
Warning:

- **Do not** connect locks with a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the solenoid replacement in the field by non-authorized personnel voids UL label and lock warranty.

Note: Electrical functions are not available with the mogul option (M-9200)

12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Strikes

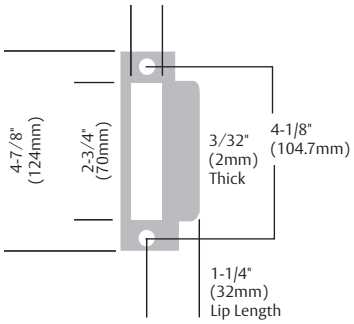
9200 Series Mortise Locks

- Curved lip strikes: Brass or stainless steel
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike

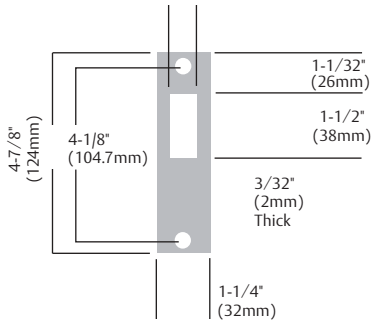
Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8 " (35mm)– 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm)– 1-3/4" (44mm)	82-0110 Standard	1-1/4" (32mm)
1-7/8" (48mm) – 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) – 2-1/2" (64mm)	82-0112	1-5/8" (41mm)
2-5/8" (67mm) – 3" (76mm)	82-0113	1-7/8" (48mm)
3-1/8" (79mm) – 3-1/2" (89mm)	82-0114	2-1/8" (54mm)
3-3/8" (86mm) – 4" (101mm)	82-0115	2-3/8" (61mm)
4-1/8" (105mm) – 4-1/2" (114mm)	82-0116	2-5/8" (67mm)
4-5/8" (117mm) – 5" (127mm)	82-0117	2-7/8" (73mm)

Curved Lip Strike (Standard)



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23

77-1141 Wrought Box Strike



- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

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Mechanical Options

9200 Series Mortise Locks

Mechanical Options:

Add Strength	**3-**	Stainless steel hubs with in the mortise lock
Strike Option	**23-**	4-7/8" (124mm) ANSI flat lip strike
	OBS-	Open Back Strike
Thick Doors	**31-**	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness - IF PANELED - must specify panel thickness and panel location (inside or outside of the door) For doors thicker than 2-1/4" - consult factory.
Security Fasteners	**36-**	6 Lobe head security screws (Torx® type)
	37-	Spanner head security screw
Lever/Knob Combination	**67-**	Lock furnished w/knob both sides (Not available with AV- Option)
	68-	Lock furnished w/lever handle outside x knob inside (Not available with AV- Option)
	69-	Lock furnished w/lever handle inside x knob outside (Not available with AV- Option)
Tactile Warnings	**75-**	Tactile Warning - Milled levers or knurled knobs. Inside trim only (Not available with D Knobs)
	76-	Tactile Warning - Milled levers or knurled knobs. Outside trim only (Not available with D Knobs)
	77-	Tactile Warning - Milled levers or knurled knobs. Inside & outside trim (Not available with D Knobs)
	85-	Tactile Warning - Abrasive coating inside trim only
	86-	Tactile Warning - Abrasive coating outside trim only
	87-	Tactile Warning - Abrasive coating inside & outside trim
Anti-Vandal Trim	**AV**	Anti-Vandal Pull Trim (Not available with LS, LE3 or LE4 trim and Options M-, 31-, 68-, 69-, 76-, 77-, 86-, 87- or SG-)
Mogul Cylinder	**M-****	Mortise Lock to accept mogul cylinder, mogul cylinder to be ordered separate from ASSA
Finish Protection	**CPC-**	Clear Powder Coat (Available over 26D & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 26D and 32D finishes; not available with AV- Option)
Box Strike	**WBS-**	Wrought Box Strike

Note: Cylinder Options on the following pages
** Mortise Locks to accept mogul cylinders are available with these functions: 04, 05, 06, 16, 17, 24, 25, 26, 35, 37, 38, 39, 40, 43, 45 & 55 and these Deadbolt functions: 03, 20, 21, 22 & 23
** Authorized options for Mortise Locks to accept mogul cylinders are 3-, 23-, 67, 68-, 69-, 75-, 76- & 77-

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Cylinder Options

9200 Mortise Locks

Cylinder Options:

Categories	How to Specify	Detailed Description
Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard
Degree Key System	**DG1-***	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-*	Degree Level 1 Construction Master Keying
	DG1-60-*	Degree Level 1 Removable Disposable Construction Core
	DG1-63-*	Degree Level 1 Removable Core
	DG1-64-*	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-*	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-*	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree Level 2 Construction Master Keying
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core
	DG2-63-*	Degree Level 2 Removable Core
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-*	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-*	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-*	Degree Level 3 Construction Master Keying
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core
	DG3-63-*	Degree Level 3 Removable Core
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-*	Degree Level 3 Exposed Plug (F or use with LE3/LE4 escutcheons only)
Signature Key System	**10-***	SARGENT Signature Key System (Not available with other key systems)
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Key System	**11-***	XC Key System (Not available with other key systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-*	Hardware provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- Permanent cores, disposable plastic core provided
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin Keyed construction core provided) cylinder Permanent core ordered separately
	11-73-7P-*	Hardware provided with XC- Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose)
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for Conventional, XC and Signature series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional cylinders (Existing systems only) (N/A with 10-, 11-, 63- or 73-)

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

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Cylinder Options

9200 Mortise Locks

Cylinder Options:

Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-	Hardware provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, disposable plastic core provided
	72-*	Hardware to accept 6- or 7-Pin SFIC (Keyed construction core provided) cylinder (Permanent core ordered separately)
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-*	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) core - (Packed loose for field keying)
	65-73-7P-*	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (Packed loose for field keying)
	73-7P-*	Hardware provided with Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Permanent cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-*	Hardware provided with SARGENT Keso Security Removable Core cylinder
	F1-83-*	Hardware provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-*	Hardware provided with SARGENT Keso Construction Cores (Permanent cores ordered separately)
Additional Security	**BR-**	Bump Resistant Cylinder (Available with conventional & conventional XC cylinders only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-***	Schlage C keyway cylinder, 0 bitted
	SE-*	Schlage E keyway cylinder, 0 bitted

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

Note: For V-10 Cylinders and information, contact ASSA

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How To Order, Finishes & Architectural Specifications

9200 Mortise Locks

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How to Order 9200 Series Mortise Locks

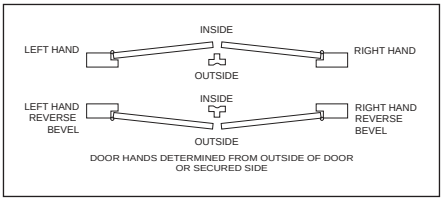
10-	92	71	12VDC	SN	L	32D	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see page 13-15	92 Mortise Lock	Pages 7-10 for Details	12VDC 24VDC	Pages 5 & 6	Levers & Knobs Pages 5 & 6	Below	RHR
							RH
			Must be specified for Functions 70, 71, 72 & 73				LHR
							LH

* Multiple options can be selected
Note: For M9200 Mogul Cylinder Mortise Locks specify the M- option for Mogul

Finish Description ANSI/BHMA

4	Satin Brass	606
26D	Satin Chrome	625
32D	Satin Stainless Steel	630

Door Handing



2.01 High Security Mortise Locksets

A. High security mortise locks shall be 9200/M-9200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.

C. Meets or exceeds impact requirements of ASTM F1577-95b Detention Locks for Swinging Doors.
1. Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only.
2. Paragraph 6.2 Level 3 Impact for latchbolt only.
3. Paragraph 6.4 for Cylinder Cycle.
4. Paragraph 6.6 for Mechanical Release Force.
5. Paragraph 6.8 Mechanical Release Operation Cycle for Detention Swinging Doors.

D. Locks shall comply with UL 10C positive pressure requirements.

E. Locks required for fire doors shall meet UL and CUL Standard 10B, Fire Test of Door Assemblies Class A, 3 hour for single doors up to 4'0" (1.2m) x 10'0".

F. Construction:
1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge heavy duty wrought steel.
2. Lock cases shall be closed on all sides and back.
3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
4. Locks shall have a one piece, stainless steel 3/4" (19mm) throw anti-friction stainless steel latchbolt.
5. Deadbolts, where specified, shall be full one inch (25mm) throw made of hardened stainless steel.
6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.

G. Locks shall have a 2-3/4" (70mm) backset, standard.

H. Strikes shall be non-handed with a curved lip.

I. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.

J. Locks shall have brass 6-pin cylinder, standard.

K. Locks shall have a ten year limited warranty.

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9200 Mortise Locks

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9200 Series Mortise Locks

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SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

7900 Series
Mortise Lock



Experience a safer
and more open world

Specifications

7900 Mortise Lock

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 BHMA CERTIFIED
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with Americans with Disabilities Act; Consult local authorities
UL	UL and cUL Listed to US and Canadian safety standards for A label (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California Lever Code	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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On The Cover

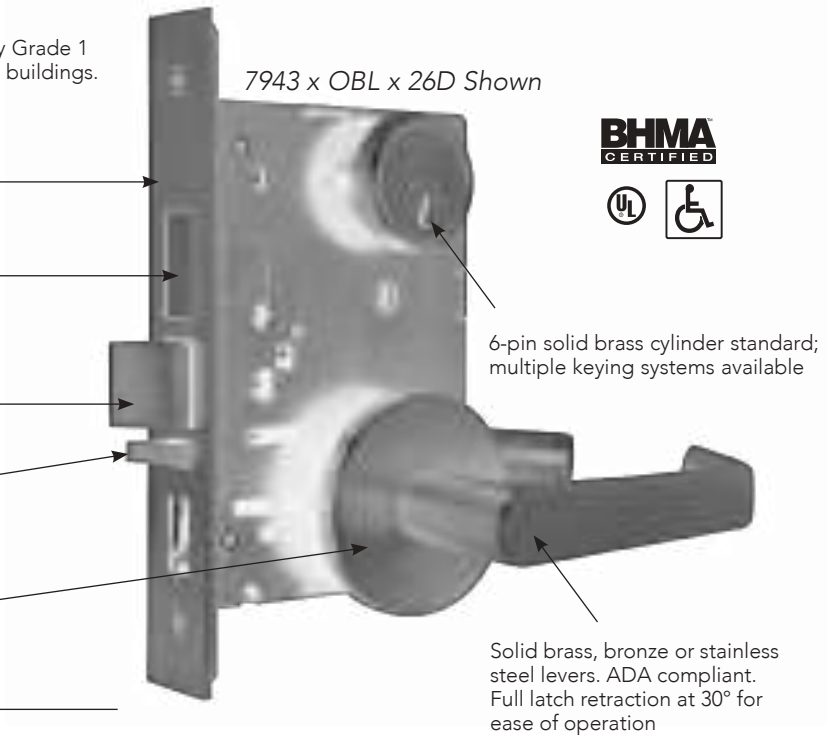
- 7943 x OBL x 26D

Features

7900 Mortise Lock

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The SARGENT 7900 Series Mortise Locks provide a quality Grade 1 lock ideal for schools, apartment housing and commercial buildings.



Features

Durability
- Certified to ANSI/BHMA A156.13, Series 1000, Operational Grade 1 with all trim designs
- Heavy duty spring provides long life and reduces lever sag
- 3/4" Projection stainless steel latchbolt. One piece construction
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- 5 year limited warranty, 2 year limited warranty on electrified locks. Limited to replacement of lock components

Flexibility
- Lock is easily re-handed by rotating the locking piece. Latchbolt is changed by removing the outside front and rotating the latchbolt 180°
- 16 Standard architectural grade finishes, including US14 Polished Nickel & US15 Satin Nickel
- 21 functions, including 4 electrical functions
- Available for door thicknesses 1-3/8" (35mm), 1-3/4" (44mm), 2" (50mm) and 2-1/4" (57mm)
- UL Listed 10C for use on single fire doors up to 4' x 10' and double doors up to 8' x 8'

Innovations
- Latchbolt retracts with only 30° of lever rotation
- Internal lever spring offers a sleek appearance, simplifies installation and reduces external components
- Solenoid controlled locking mechanisms for remote convenience to lock and unlock the 7900 Series Mortise lock featuring ElectroLynx® quick connectors

Security
- Torx® and spanner screws available as an option
- Can be master keyed or grand masterkeyed. Construction key available

Specifications

Backset	2-3/4" (70mm) only
Case	Wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
Outside Front Plate	Wrought 8" (203mm) x 1-1/4" (31mm), self adjusting beveled
Auxiliary Deadlatch	Stainless steel, non-handed
Strike	Wrought; ANSI/BHMA Standard A156.115; curved lip, non-handed (strike box optional)
Keys	Two, nickel silver keys, LA is the standard keyway. (control key or emergency key must be ordered when required)
Cylinder	Brass, size #41 (1-1/8" standard)
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available
Door Prep	ANSI/BHMA A156.115 modified (see template 4589 for 7900 lockbody & trim template varies by design)

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Note: Key systems are compatible with a majority of other SARGENT products

Standard Lever, Knob, Rose and Escutcheon Designs

7900 Mortise Lock

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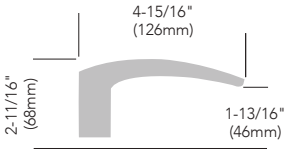
The 7900 lever, knob, rose and escutcheon designs are available in all 16 architectural hardware finishes.

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face
- Levers BB, BL, BJ & BP are only available with the O rose and the LW1 & the WT escutcheons.
- B knob is only available with the O rose and the KW1 & the WT escutcheons.

BB Lever Design

- BB Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought

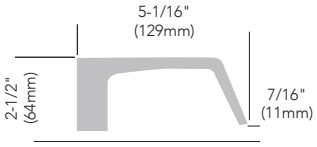




BL Lever Design

- BL Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought

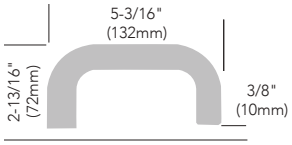




BJ Lever Design

- BJ Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought

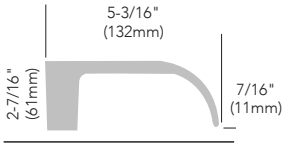




BP Lever Design

- BP Lever with O Rose
- Lever: Solid forged or cast
- Rose: Heavy wrought

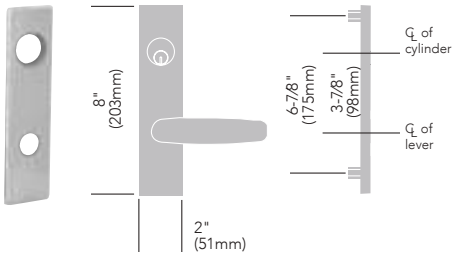




Note: All lever height (+/- 1/16") measurements represent total distance from door face.

LW1/KW1 Escutcheon Design

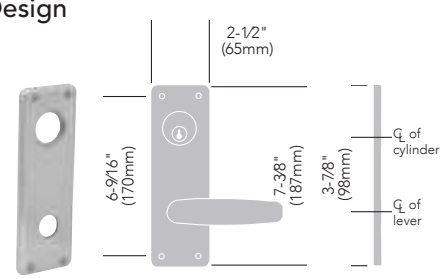
- Escutcheon: LW1/KW1-Wrought
- (2) Exposed screws inside
- KW1 is used with the B Knob
- LW1 is used with lever designs



(Shown with L Lever)

WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside

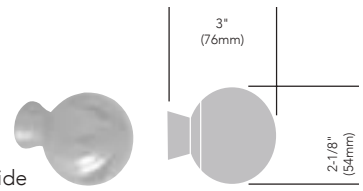


(Shown with L Lever)

B Knob Design

- Knob: B heavy wrought
- 67- Option Knob both inside & outside
- 68- Option Lever outside/knob inside
- 69- Option Knob outside/lever inside

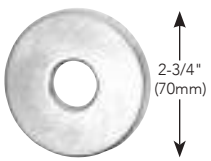
Note: Knob rotates in only one direction - toward hinge



Standard Rose

Note: The TO, CO, TR, CR, LN, E2, E3 and E4 roses are only available with the Studio Levers, the O rose is available for both standard and Studio

O Rose



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Standard Lever, Knob, Rose and Escutcheon Designs

7900 Mortise Lock

SARGENT ASSA ABLOY

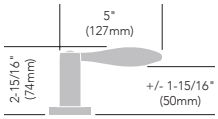
Coastal Series

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

G - Gulfport™*

- Handed

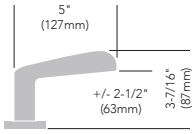




S - Sanibel™*

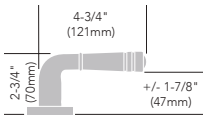
- Handed





R - Rockport™*

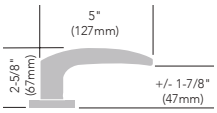




Y - Yarmouth™*

- Handed



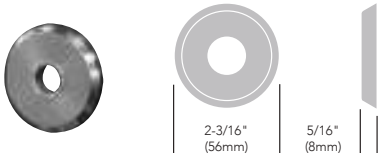


*Only available with CE, CR, TE, & TR roses

Coastal Series Roses & Escutcheons

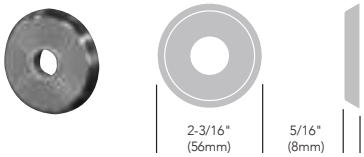
TR Traditional Rose

- Dual radii edge



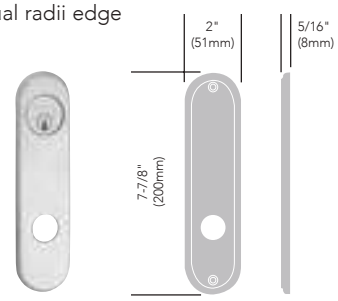
CR Contemporary Rose

- Beveled edge



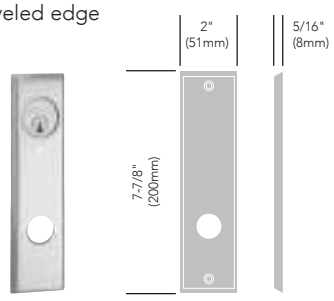
TE Traditional Escutcheon

- Dual radii edge



CE Contemporary Escutcheon

- Beveled edge



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Studio Collection Levers

7900 Series Mortise Locks

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ASSA ABLOY

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series


MD


MJ


MP[2]


ND[1]


NJ[1]

Notting Hill Series


MA[2]


MO[2]


MQ[2]
(Handed)


MT[2]
(Handed)


MY[1,2]
(Handed)


MZ[1,2]
(Handed)

Aventura Series


MB


ME


MF


NF


MG


MI


MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available in 32D or 32 finish

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Overview, Features and Electrical Specifications

7900 Series Mortise Lock

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Odéon Series
(Handed Levers)


MN[4]


MH[4]


MS[4]


MU[4]


MV[4]


MX[1,4]


NS[1,4]


NU[1,4]

Gramercy Series[2]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin Series


H015


H016[1]


H017


H018

Wooster Square[3]


H001


H002[1]


H003


H004


H005[1]


H006[1]

Grant Park
(H008 is handed)


H007


H008


H009


H010


H011

[1] Lever returns within 1/2" (13mm) of door face
[2] Gramercy levers are customized. See page 10 for ordering information
[3] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[4] Not available in 32D or 32 finish

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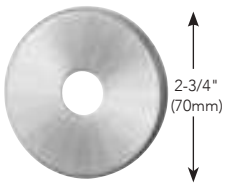
Studio Collection Trim

7900 Series Mortise Lock

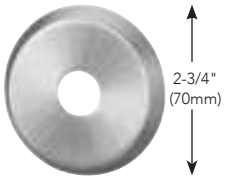
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Roses

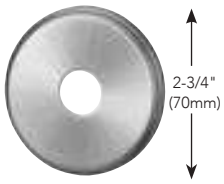
O Rose



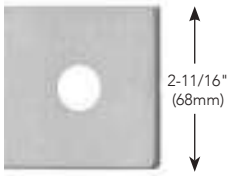
CO Rose



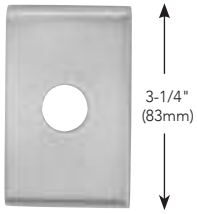
TO Rose



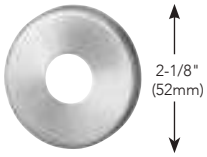
E2 Rose[1]



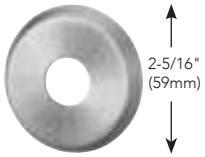
E4 Rose[1]



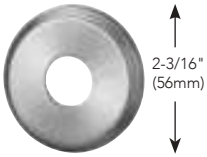
LN Rose



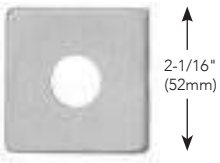
CR Rose



TR Rose



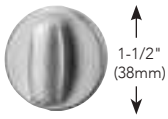
E3 Rose[1]



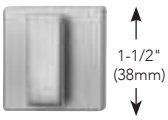
Thumbturns

Thumbturn backplate will match rose design chosen. See page 9 for more information.

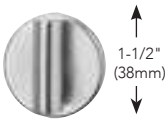
T1 Turn



T2 Turn

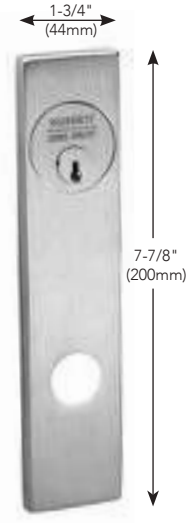


T3 Turn

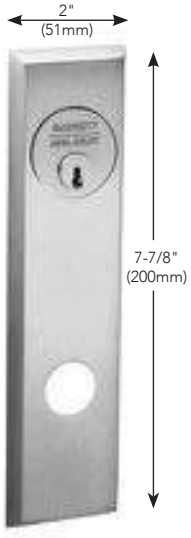


Escutcheons

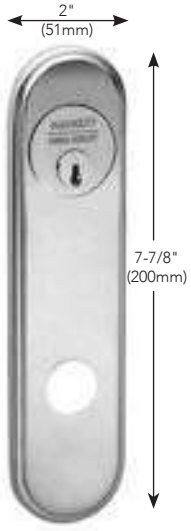
LE1 Escutcheon



CE Escutcheon



TE Escutcheon



[1] KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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Thumbturn Designs

7900 Series Mortise Lock

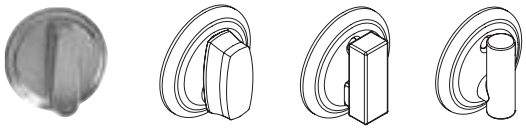
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130W Round Backplate
(Shown with Standard Turn)



- Round backplate supplied standard with O and LN roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

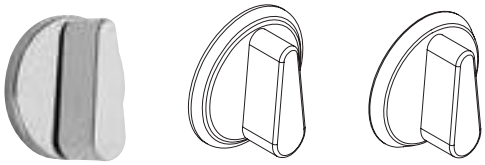
130KT Traditional Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

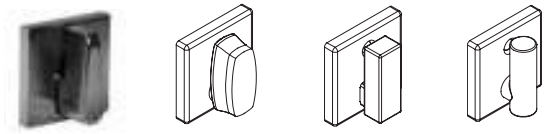
130LB Large Round Backplate
(Shown with Large ADA Turn)



130LT *130LC*

- Available with 7900 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, bronze, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC - Contemporary backplate
- Meets ADA Requirements

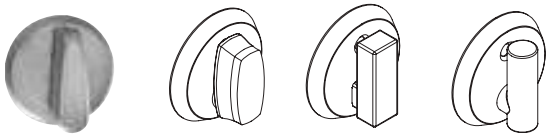
130KA Square Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Square backplate supplied standard with E2, E3 and E4 roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate
(Shown with Standard Turn)



T1 Turn *T2 Turn* *T3 Turn*

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for 7900 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

184W Emergency Release



- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Unlocks 65 & 66 functions by emergency key (14-0057), coin or flat blade screw driver

- Studio Collection Emergency Release

- 184KC Emergency Release Contemporary
- 184KT Emergency Release - Traditional

Emergency Key 14-0057



- Carbon steel
- For bathroom/privacy function only
- Must be ordered separately

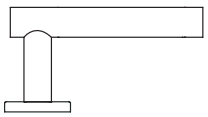
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How to Order Gramercy Series Levers

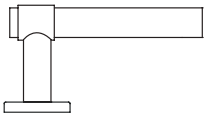
7900 Mortise Lock

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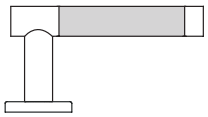
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Notes for two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Escutcheon and lock finish will be 14.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Escutcheon and lock finish will be 15.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629.

How to Order 7900 Mortise Locks with Gramercy Series Levers

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from Pages 19-21	79	Select from Pages 11-13	Specified for Electrical Functions	Select from Page 8	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	79	71	12VDC	LN	RAL	29BN29	RH

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Function Designations and Descriptions

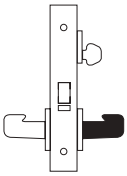
7900 Mortise Lock

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Single Cylinder without Deadbolt

04 Storeroom or Closet

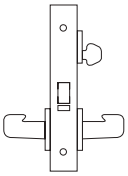
7904



- Key outside retracts latchbolt
- Lever/Knob outside rigid at all times
- Lever/Knob inside retracts latchbolt
- Auxiliary deadlatch
- ANSI/BHMA F07

37 Classroom

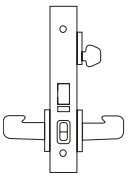
7937



- Key outside locks & unlocks lever/knob outside
- Key outside retracts latchbolt
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- ANSI F05

55 Office or Entry

7955

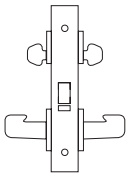


- Key outside retracts latchbolt
- Lever/Knob inside retracts latchbolt
- Lever/Knob outside is locked & unlocked with toggle only
- Auxiliary deadlatch

Double Cylinder without Deadbolt

16 Apartment, Exit or Public Restroom

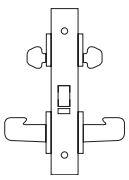
7916



- Key outside retracts latchbolt
- Key inside locks & unlocks lever/knob outside
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- Special cam Suffix -105 required for inside cylinder (Supplied Standard)
- ANSI/BHMA F09

38 Classroom Security Intruder Latchbolt

7938



- Key from either side locks & unlocks lever/knob outside
- Key from either side retracts latchbolt
- Lever/Knob inside always retracts latchbolt
- Auxiliary deadlatch
- ANSI/BHMA F32

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 If shaded, knob or lever rigid at all times

Function Designations and Descriptions

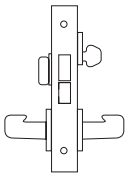
7900 Mortise Lock

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ASSA ABLOY

Single Cylinder with Deadbolt

24 Storeroom Door

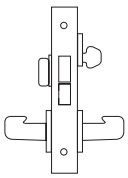
7924



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/Knob either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- ANSI/BHMA F21

25 Dormitory or Exit

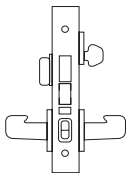
7925



- Key outside or thumb turn inside retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt, when the deadbolt is in the retracted position
- Lever/Knob outside is locked, when the deadbolt is projected
- When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
- ANSI/BHMA F13

43 Apartment Corridor Door

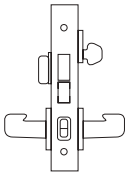
7943



- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob outside is unlocked by toggle only
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- Auxiliary deadlatch
- ANSI/BHMA F20

45 Dormitory or Exit

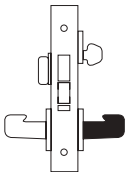
7945



- Key outside or thumb turn inside retracts and projects deadbolt
- Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked
- Lever/Knob outside is locked by toggle or projecting deadbolt
- Lever/Knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked
- ANSI/BHMA F12

50 Hotel Guest

7950

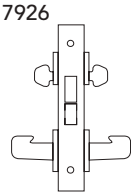


- Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency)
- Standard Key outside retracts latchbolt only, will not retract or project deadbolt
- Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt
- Thumb turn inside retracts and projects deadbolt
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously
- Lever/Knob outside is always rigid
- Auxiliary deadlatch
- Not available with certain key systems (see Option chart in this catalog for restrictions)
- ANSI/BHMA F15

Double Cylinder with Deadbolt

✦26 Store Door

7926



- Key from either side retracts and projects deadbolt
- Lever/Knob from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- ANSI/BHMA F14

✦ **CAUTION:** Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

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Function Designations and Descriptions

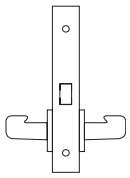
7900 Mortise Lock

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Non-Keyed

15 Passage or Closet

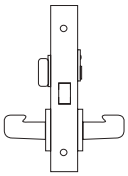
7915



- Lever/Knob from either side retracts latchbolt at all times
- ANSI/BHMA F01

65 Privacy Bedroom or Bath

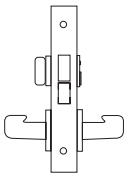
7965



- Lever/Knob outside retracts latchbolt except when locked by thumb turn inside
- Lever/Knob inside retracts latchbolt and unlocks outside lever/knob
- Emergency Release unlocks outside lever/knob with coin or flat
- Thumb turn inside, locks and unlocks outside lever
- Closing the door will unlock lever/knob outside
- ANSI/BHMA F22

66 Privacy Bedroom or Bath

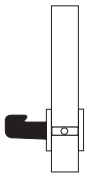
7966



- Lever/Knob outside retracts latchbolt except when deadbolt is projected
- Lever/Knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob
- Emergency Release retracts and projects deadbolt by coin or flat blade screw driver
- Thumb turn retracts and projects deadbolt
- ANSI/BHMA F19

93 Single Trim Dummy

7993

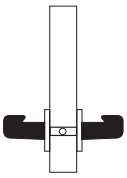


- Lever/Knob on inside of door is always rigid
- Lever/Knob only inside used as door pull
- Through bolted

NOTE: Different door prep required, see template 4298

94 Double Trim Dummy

7994

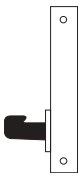


- Lever/Knob on both sides are always rigid
- Lever/Knob only used as door pull
- Through bolted

Note: Different door prep required, see template 4298

95 Single Trim Dummy

7995



- Lever/Knob on one side only is always rigid
- Includes lock case and armor front
- Lever mounted on inside of the door.

✦CAUTION: Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

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Electro-Mechanical Specifications
Strikes and Front
7900 Mortise Lock

SARGENT
ASSA ABLOY

SARGENT 7900 Electro-mechanical Mortise locks can be used for single openings, stand alone applications or can be readily integrated into sophisticated access control systems.

Applications: Security and restricted access areas in schools, computer rooms, offices, banks, equipment rooms, laboratories and hospitals. Also used with fire and alarm controls in buildings and stair tower doors.

Featuring EcoFlex® Technology*

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

**Patent pending*

Electrical Requirements:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current: .25A at 24VDC or .5A at 12VDC
Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended.

Note: Opening lockbody by non-authorized personnel voids UL label and lock warranty.

Warning:

- **Do not** connect locks with a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

RX- Monitoring Mortise Locks

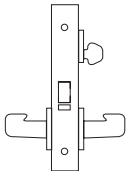
7900 Mortise Locks are available with internal switches for independently monitoring inside/outside lever rotation (RX- option).

- SPDT type C switches, rated 2A at 24VDC
- **RX- Request to Exit or Enter**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions w/non rigid levers
  - Not available with 1- option

Electromechanical Functions

70 Electrical Fail Safe
71 Electrical Fail Secure

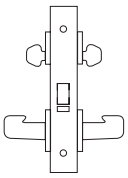
7970
7971



- 70 function - Fail Safe Power off – Unlocks outside lever
- 71 function - Fail Secure Power off – Locks outside lever
- Specify 12VDC or 24VDC
- Key outside retracts latchbolt
- Lever outside can only be locked with the solenoid
- Lever inside always retracts latchbolt
- Only available with lever trim
- Auxiliary deadlatch

✦72 Electrical Fail Safe
✦73 Electrical Fail Secure

7972
7973



- 72 function - Fail Safe Power off – Unlocks both levers
- 73 function - Fail Secure Power off – Locks both levers
- Specify 12VDC or 24VDC
- Key either side retracts latchbolt
- Levers can only be locked with the solenoid
- Levers can not be locked independently
- Only available with lever trim
- Auxiliary deadlatch

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Strikes

7900 Mortise Lock

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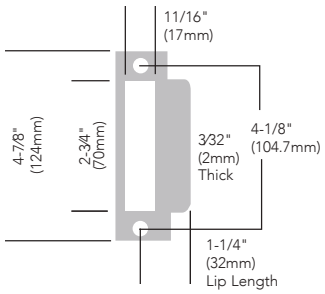
Curved Lip Strikes

- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- All strikes: Brass, bronze or stainless steel
- To order strikes separately, specify strike part number and finish. Strikes ordered separately are furnished with machine screws
- Strike Box is available separately as 77-1141 or WBS-
- For Strikes other than standard, specify part number when ordering with complete lock
- See chart for part number and lip lengths

Curved Lip Strike

Door Thickness	Part No.	Lip Length
Double Door	82-0229	7/8" (23mm)
1-3/8" (35mm) - 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm) - 1-3/4" (44mm)	82-0110 (Std)	1-1/4" (32mm)
1-7/8" (48mm) - 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) - 2-1/2" (64mm)	82-0112	1-5/8" (41mm)

Curved Lip Strike (Standard)



77-1141 Wrought Box Strike (WBS)

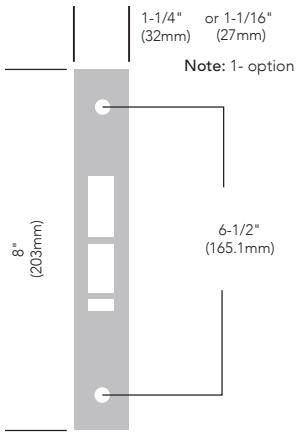
- Specify WBS- when ordering lock to receive Box Strike with lock
- If ordering separately, use part# 77-1141



Outside Front Plate

Standard Width 1-1/4" (32mm)	Functions
79-0009	15, 65
79-0010	04, 16, 37, 38
79-0011	24, 25, 26, 66
79-0012	50
79-0014	45
79-0015	43
79-0010	70, 71, 72, 73
79-0008	95
79-0013	55

Outside Front Plate



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Cylinders

7900 Mortise Lock

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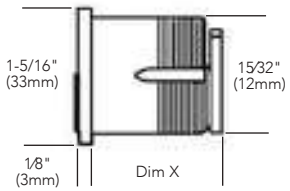
Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder



- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions use a standard cam, Except 50 function and the Inside Cylinder for 16 function locks.
(see page 11-12 for more details)





DG1, DG2, DG3 - Degree Series



- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

11- Option XC Key System



- Patented system works with existing SARGENT keyway adding increased security
- 11- Option: XC- Standard Cylinder
- 11-63- Option: Large Format Interchangeable Core XC- cylinder
- 11-73- Option: Small Format Interchangeable Core with XC- feature

10- Option Signature Series



- The system offers the building owner full control over duplication of keys. Highly pick resistant cylinders
- 10-63- Option: Large Format Interchangeable Core Signature cylinder

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

Note: For complete cylinder information, see the appropriate Cylinder Catalog

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Cylinders

7900 Mortise Lock

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60- or 70- Option Plastic Construction Core



- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core



- Allows immediate removal of the core. Virtually unlimited key changes
- For disposable core, see 60- option
- 10-63- Option: Large Format Interchangeable Core Signature cylinder
- 11-63- Option: Large Format Interchangeable Core XC- cylinder
- 64- Option: Large Format Interchangeable Core construction core
- Control key used to remove core; Must request control key separately

73- Small Format Interchangeable Core



- Small Format Interchangeable Core
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick keying change. It is not necessary to remove a cylinder
- SARGENT 7300B Interchangeable Restricted Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- option
- 65-73- Option: 6-Pin Small Format Interchangeable Cores uncombinated
- 65-73-7P- Option: 7-Pin Small Format Interchangeable Cores uncombinated
- 70- Option: Small Format Interchangeable disposable core
- 72- Option: Small Format Interchangeable construction core
- 73- Option: 6-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- 73-7P- Option: 7-Pin Small Format Interchangeable core, SARGENT 4A, 4B keyways
- Control key used to remove core; Must request control key separately

124 Series Mortise Cylinder Turn Lever



- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately
- Used on doors where keyed cylinder is not needed

F1-82- and 82- Option KESO



- The system offers the building owner full control over duplication of keys
- Highly pick resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83: Option- Keso removable core
- 84- Option: Keso construction core cylinder

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Note: For complete cylinder information, see the appropriate Cylinder Catalog

Cylinder Rosettes and Cams

7900 Mortise Lock

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97 Rosette Cylinder Collar



- Standard for
- 1KB Cylinder collar is used for longer cylinders and various door conditions
- Brass, bronze or stainless steel
- Standard for cylinders ordered separately from hardware
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 32, 32D, BSP, WSP

1 KB Rosette Cylinder Collar



- The KB series of cylinder rosettes will be used as required for various door conditions and cylinders (ex. 60- & 70-)
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Projection from door:
  1KB-1 : 5/16" (8mm) - Standard
  1KB-2 : 7/16" (11mm)
  1KB-3 : 9/16" (14mm)

No. 90 Blocking Ring



- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- 1-3/8" (35mm) diameter; 1/16" (1.6mm) to 3/8" (9mm) projection in 1/16" (1.6mm) increments. Specify size when ordering.
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KA Rosette Cylinder Collar



- Used with mortise cylinders
- Furnished standard with the E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:
  1KA-1 5/16" (8mm) - Standard
  1KA-2 7/16" (11mm)
  1KA-3 9/16" (14mm)
  1KA-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

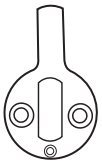
- Standard



Std Cam
(13-0664) for all functions except for 50 and the Inside cam for 16 function locks



-105 Cam
(13-0665) for 16 Function Inside Cylinder



-115 Cam
(13-2045) 50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Removable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: No Suffix is required



Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 function locks



-105 Cam
for 6300 Series 16 Function Inside Cylinder



-115 Cam
for 6300 Series 50 Function Hotel Cam, supplied with 50 function cylinders

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Note: For cylinders other than conventional and LFIC (removable core), see Cylinder catalogs for additional information

Mechanical, ADA and Handicap Warning Options

7900 Series Mortise Lock

SARGENT ASSA ABLOY

Mechanical Options

Categories	How to Specify	Detailed Description
1-3/8" Doors	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (Not available with RX- Option) (1- for 93 + 94 function is a special)
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness - IF PANELED - must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" - consult factory
Security Fasteners	36-	6 Lobe head security screws (Torx® type). Screw chart on pg 18 (Not available with Studio Levers)
	37-	Spanner head security screw. Screw chart on pg 18 (Not available with Studio Levers)
Electrical Option	RX-	Request to exit. Monitors the activation of the inside and outside lever independently (not available with 1- or LB-)
Knob & Lever Combinations	67-	Knob outside x knob inside (Not available with 70, 71, 72, 73 or 95 functions, RX- Option or Studio Levers)
	68-	Lever outside x knob inside (Not available with RX- Option, 95 function or Studio Levers)
	69-	Lever inside x knob outside (Not available with RX- Option, 95 function or Studio Levers)
Tactile Warning Options	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (Not available with Studio Levers)
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (Not available with Studio Levers)
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (Not available with Studio Levers)
	85-	Tactile Warning — Abrasive coating finish inside trim only
	86-	Tactile Warning — Abrasive coating finish outside trim only
	87-	Tactile Warning — Abrasive coating finish inside & outside trim
Thumbturns (See page 9)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen
	T1	Decorative thumbturn; backplate matches rose design chosen
	T2	Decorative square thumbturn; backplate matches rose design chosen
	T3	Decorative cylinder thumbturn; backplate matches rose design chosen
Finish Protection	CPC-	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat
Box Strike	WBS-	Wrought Box Strike

ADA and Handicap Warning

Lever Return to Door

- Available with BL, BJ & BP levers
- Lever returns within 1/2" (13mm) of door face or less
- Meets the strictest ADA code compliances.

NOTE: All lever height (+/- 1/16") measurements represent total distance from door face.



Tactile Handicapped Warning

- Abrasive Coating: Options 85-, 86- & 87-
- Milled 1/16" Grooves: Options 75-, 76- & 77-

BB, BJ, BL and BP Levers – grooved on backside surface of lever



Tactile Handicapped Warning

- Knurled B knob available
- Knobs are NOT ADA compliant



Keys

- Large key bows available with SARGENT "C" keyways only
- Keys NOT ADA compliant

Shown: Large Bow Key on left



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Cylinder Options

7900 Mortise Lock

SARGENT
ASSA ABLOY

Cylinder Options

Categories	How to Specify	Detailed Description
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-*	Degree Level 1 Construction Master Keying
	DG1-60-*	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-*	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-*	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree Level 2 Construction Master Keying
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core
	DG2-63-*	Degree Level 2 Removable Core
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-*	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-*	SARGENT Degree Key System Level 3 (Geographically exclusive;UL437 certified;bump and pick resistant)
	DG3-21-*	Degree Level 3 Construction Master Keying
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core
	DG3-63-*	Degree Level 3 Removable Core
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-*	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	10-*	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	11-*	XC Key System (Not Available with other Key Systems, unless specified)
Signature Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Large Format Interchangeable Core (Removable Core)	11-60-*	Lock to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-*	Lock provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-*	Lock provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
XC- Small Format Interchangeable Cores	11-70-7P-*	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-*	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-*	Lock provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-*	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	21-*	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) 2" (51mm) door thickness max. - centered (N/A with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	60-	Lock to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-	Lock provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Lock provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	70-*	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-*	Lock to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately)
	73-*	Small Format 6-Pin Interchangeable Core SARGENT 4A, 4B keyway only (Request control key separately) (Includes masterkeying, grand masterkeying)
	65-73-*	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-*	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-*	Small Format 7-Pin Interchangeable Core SARGENT 4A, 4B keyway only (Not available with Studio Levers) (Includes masterkeying, grand masterkeying)

* Options not available with 50 function locks

Note: For V-10 Cylinders and information, contact ASSA

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Cylinder Options, How to Order, Finishes and Packaging

7900 Mortise Lock

SARGENT ASSA ABLOY

Cylinder Options

Categories	How to Specify	Detailed Description
Keso & Keso F1	81-*	Lock provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Lock provided with SARGENT Keso Security Cylinder
	F1-82-	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-*	Lock provided with SARGENT Keso Security Removable Core cylinder
	F1-83-*	Lock provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-*	Lock provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars / rings separately)
Schlage Keyways	SC-*	Schlage "C" Keyway Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max. — centered)
	SE-*	Schlage "E" Keyway, Number 41 cylinder only, 0 bitted (2" (51mm) door thickness max. — centered)

* Options not available with 50 function locks

How to Order 7900 Series Mortise Locks

10-	79	71	12VDC	LN	MJ	15	RHR
Options*	Series	Function	Voltage	Roses/Escutcheons	Levers/Knobs	Finish	Hand
For all available options see Page 19-21	79 Mortise Lock	Pages 11-13 for Details	12VDC 24VDC	Standard Offering Page 4	Standards Levers & Knob Page 4 & 5,	Page 21	RHR
							RH
			Voltage must be specified for 70, 71, 72 & 73 Functions	Studio Offering Page 8	Studio Levers Page 6 & 7		LHR
							LH

* Multiple options available

Hardware Finishes Available

7900 Standard Trim	Studio Collection	ANSI/BHMA	Description
03	03	605	Polished brass, clear coated
04	04	606	Satin brass, clear coated
09	09	611	Polished bronze, clear coat
10	10	612	Satin bronze, clear coated
10B	10B	613	Oxidized bronze, oil rubbed
10BE	10BE	613E	Dark oxidized satin bronze — equivalent
10BL	10BL	613L	Oxidized satin bronze, clear coat
14	14	618	Polished nickel, clear coat
15	15	619	Satin nickel, clear coat
20D	20D	624	Statuary dark bronze, clear coat
26	26	625	Polished chrome
26D	26D	626	Satin chrome
32	32	629	Polished stainless steel
32D	32D	630	Satin stainless steel
BSP	BSP	BSP	Black suede powder coat
WSP	WSP	WSP	White suede powder coat

Note: Split finishes available (Order: outside finish/inside finish)
If inside and outside trim designs differ, please specify (Order: outside/inside trim)

Packaging

7955 x OBB	approx. 5.8 lbs. (2.6kg)/box	6 boxes/case
7955 x LW1BB	approx. 6.5 lbs. (2.9kg)/box	6 boxes/case

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Handing Information and Security Screws

7900 Mortise Lock

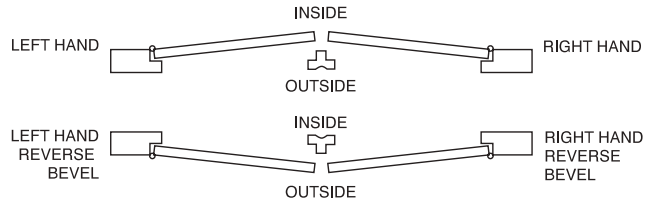
SARGENT
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Changing Lock Hand

Note: Handing of the lockbody:

1) The RED surface of the locking slide always faces the side of the door which will be locked. If it is not, change hand of locking slide (Step A)
2) The bevel (Angled surface on the latchbolt) must always face the strike. If it does not, change hand of latchbolt (Step B)

Door Handing

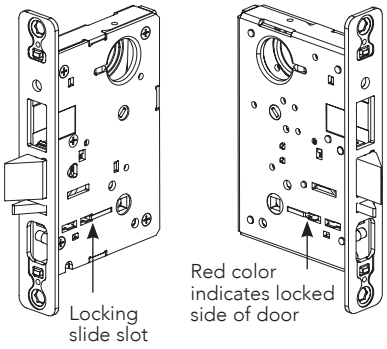


Door hand is determined by door swing when viewed from outside/secured (keyed) of door

Step A

To change hand of locking slide

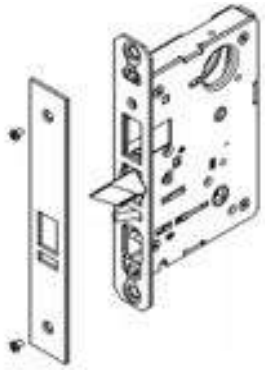
1. Turn lockbody to side NOT marked with RED locking piece.
2. Insert blade type screwdriver into locking piece slot.
3. Push locking piece toward front of lockbody and rotate until RED shows.
4. RED indicates locked side (outside).



Step B

To change hand of latchbolt:

1. Remove the outside front by removing the two screws (as shown).
2. Depress inside front of lockbody on both sides of latchbolt.
3. Rotate the latchbolt by hand 180 degrees, so that the bevel of the latchbolt faces the strike.
4. Reattach the outside front with two screws.
5. The deadlatch is self adjusting.



6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits (sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver
82-3856	Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

36- or 37- Option Security Screw Chart

	Functions																				
Trim Designs	04	15	16	24	25	26	37	38	43	45	50	55	65	66	70	71	72	73	93	94	95
O Roses	5	5	5	6	6	5	5	5	6	6	6	5	7	7	5	5	5	5	4	4	5
LW1/KW1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	7
WT	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12

Note: 93 & 94 Function locks are not available with a security type screw on the door edge

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Architectural Specifications

7900 Series Mortise Lock

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2.01 MORTISE LOCKSETS

A. Mortise locks shall be 7900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lock body.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.0m) and pairs of doors 8'0" (2.4m) x 8'0" (2.4m).
F. Construction:
    1. Lock functions shall be manufactured in a single-sized case.
    2. Lock cases shall be closed on all sides and back.
    3. Locks shall have field adjustable, beveled, armored front.
    4. Locks shall have a 3/4" (19mm) throw one-piece stainless steel latchbolt.
    5. Deadbolts, where specified, shall be full one inch (25mm) throw made of steel and have a hardened insert.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H. Strikes shall be non-handed with a curved lip.
I. To ensure proper alignment, trim, knobs or levers, shall be thru-bolted and fully interchangeable between rose and escutcheon.
J. Locks shall have brass 6-pin cylinder, standard.
K. Locks shall have a 5 year limited mechanical warranty, 2 year on electrical products.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90143 01/21



STUDIO collection

Leading THE Way BY Design

SARGENT®

ASSA ABLOY

Experience a safer and more open world

Leading THE Way

IN STYLE

The Studio Collection from SARGENT features superbly styled door trim available in a broad array of designs and finishes. This collection enables inspired design professionals to incorporate their aesthetic vision into any opening, allowing a consistent appearance regardless of the door's function.









Distinct, Stylish, Superb

HARDWARE OPTIONS

Studio Collection trim is compatible with SARGENT commercial grade mortise and tubular locks, exit devices, electromechanical and access control locks in a variety of applications.











Form + Function

Good design won't stop at the door. With SARGENT Studio Collection levers, architects and interior designers can create a harmonious balance of beautiful design and function. This design continuum allows one lever style to be carried across all product lines to any door opening in a building.

Unlock the possibilities.



Tubular Lock

For interior doors in hotel guest rooms, high-end apartments, condominiums and office buildings, the DL Series tubular lock is the answer. With its solid feel and smooth performance, the DL Series will exceed expectations.



Mortise Lock

Looking for a high-use, secure lock without compromising on design? Then SARGENT 8200 mortise locks are the answer. Whether it's for healthcare buildings, school and university applications or government facilities, this lock gives you the security, strength and aesthetics that you require.





Exit Device

Simplicity, strength and durability are a few things SARGENT 80 Series exit devices bring to the door. Push bar on one side, beautiful lever on the other, these exit devices are the ideal choice for egress doors in applications such as theaters and conference rooms.



Access Control

High security has never looked this good. Available on mortise locks or exit devices, the SARGENT line of access control products are easily integrated into most access control systems and are the aesthetic choice for corporate institutions, healthcare facilities or any door that requires electronic security control.



Simplí™ Unique

This roseless trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection decorative levers, Simplí creates a flawless aesthetic vision on any door opening.



Understated, Elegant, Distinct

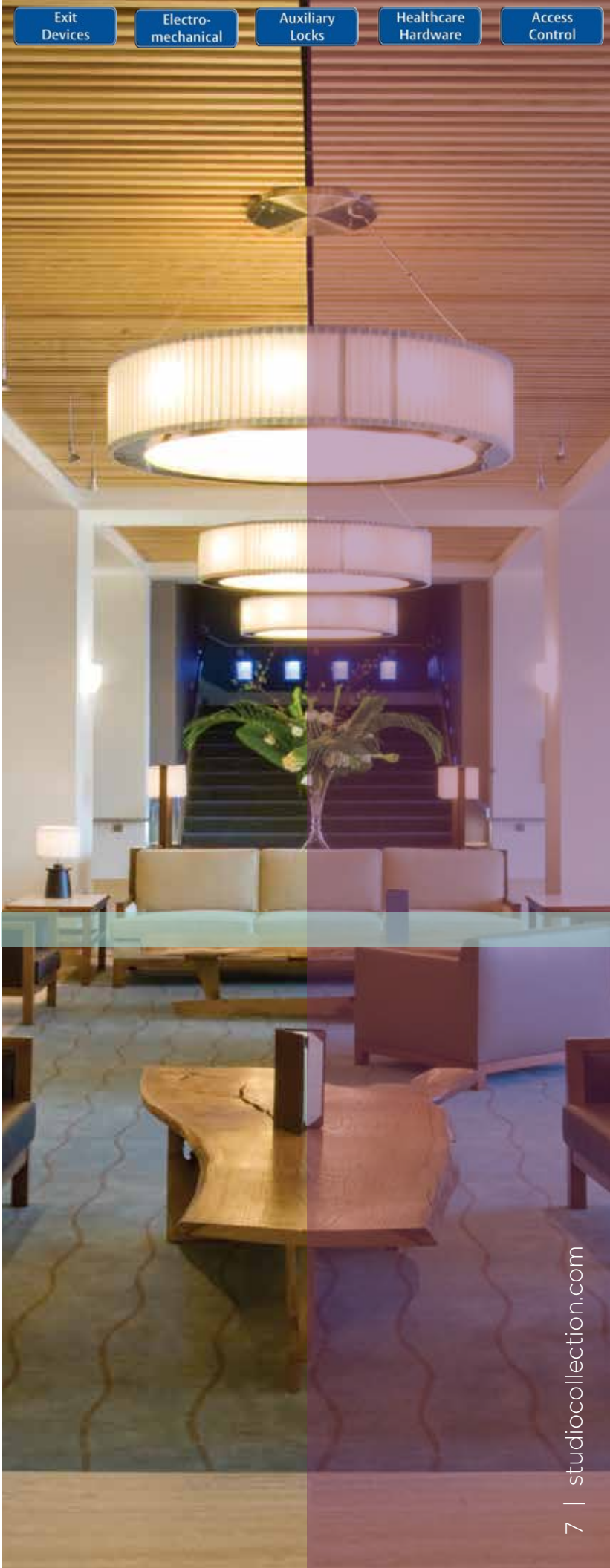
Door hardware is necessary, but doesn't need to impose. Select a distinctive decorative lever and a beautiful finish to form a stunning continuum of design with Simplí.

- One lever on all openings creates a consistent theme throughout your building
- Variety of decorative levers to complement your design
- Maiman and Graham wood doors, Ceco Door and Curries metal doors can be expertly prepared for Simplí trim
- 16 architectural finishes available including MicroShield® antimicrobial coating

Specifications

Simplí roseless trim can be specified with most Studio Collection levers for the following locks:

- DL tubular lock
- 8200 mortise lock
- Harmony Series mortise access control lock



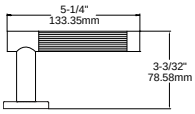


Gramercy

Inspired by the architectural innovation of the New York City neighborhood of Gramercy, this collection of levers from SARGENT brings fashionable style and streamlined design to every opening.

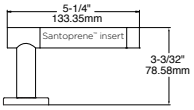


RAG*



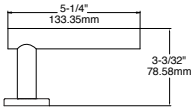


RAS*





REM*



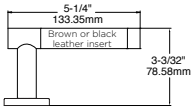
*Not available with roseless trim and only offered in 32D, 32, 10BE, BSP and WSP finishes



Suggested Thumbturn Pairing T1 Turn

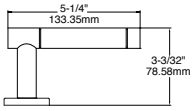


RAL*



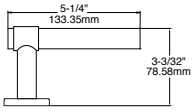


RAM*



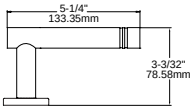


RCM*

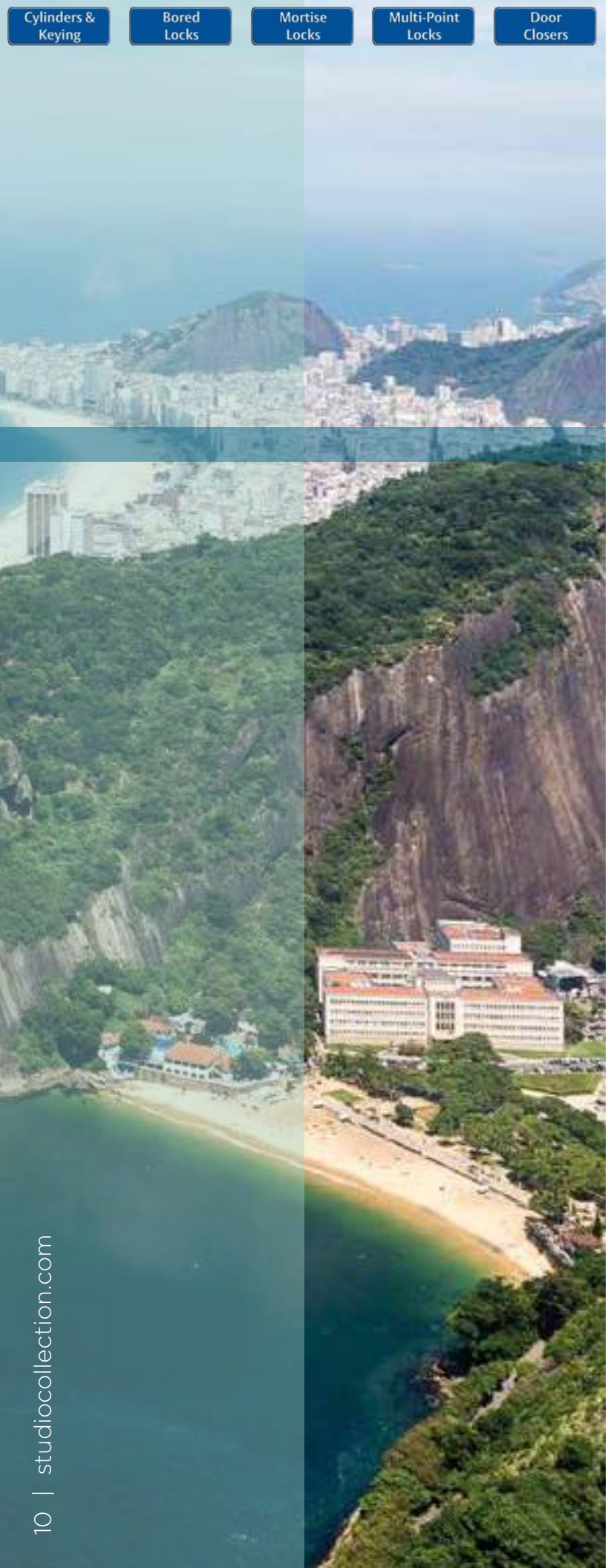




RGM*



*Not available with roseless trim and only offered in 32D, 32, 10BE, BSP and WSP finishes

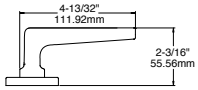


Centro

The heart of Rio de Janeiro, the Centro district is home to a colorful mix of historic churches and museums, and modern, high-rise office towers. The Centro Series reflects this contrast of classic and modern design, beauty and functionality.



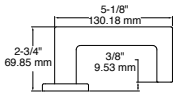
MP*





ND

Lever returns within 1/2" (13mm) of door face



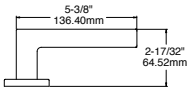
*MP is not available with roseless trim and not offered in 32 or 32D finishes.



Suggested Thumbturn Pairing T2 Turn

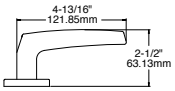


MD





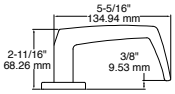
MJ





NJ

Lever returns within 1/2" (13mm) of door face



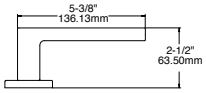


Aventura

Aventura, Florida is a tropical enclave of palm trees, sleek high-rises and luxurious villas. With timeless styling, the Aventura Series levers offer understated lines and a touch of elegance.

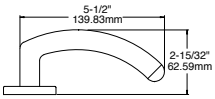


MB





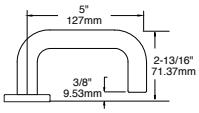
MG





NF

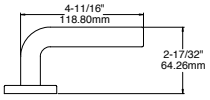
Lever returns within 1/2" (13mm) of door face





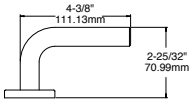


ME



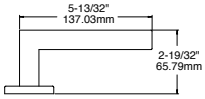


MF





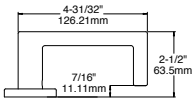
MI





MW

Lever returns within 1/2" (13mm) of door face



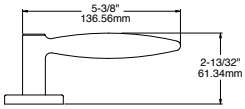


Notting Hill

London's most hip and fashionable neighborhood, Notting Hill is rich in diversity. With its variety of imaginative forms, the Notting Hill Series offers profiles that add interest and visual flavor.

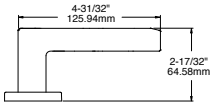


MA





MT*

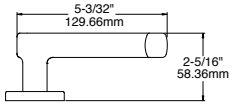


*MT is not available with roseless trim and the Notting Hill Series is not offered in 32 or 32D finishes.



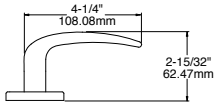


MQ





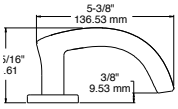
MO





MY

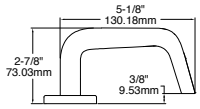
Lever returns within 1/2" (13mm) of door face





MZ

Lever returns within 1/2" (13mm) of door face



*The Notting Hill Series is not offered in 32 or 32D finishes.

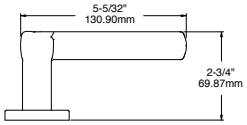


Odéon

Dramatic in design, the Odéon Series — named for the famous Parisian theatre — incorporates old world opulence with today's streamlined aesthetics.

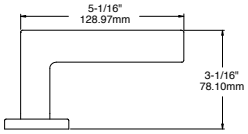


MH





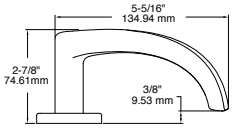
MU





NS

Lever returns within 1/2" (13mm) of door face

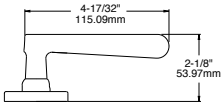


The Odeon Series is not offered in 32 or 32D finishes.



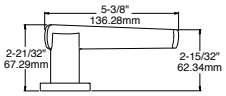


MN*



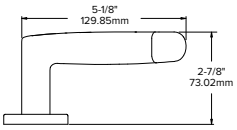


MS





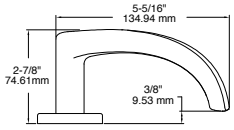
MV





MX

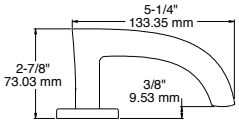
Lever returns
within 1/2" (13mm)
of door face





NU

Lever returns
within 1/2" (13mm)
of door face



*MN is not available with roseless trim and the Odeon Series is not offered in 32 or 32D finishes.

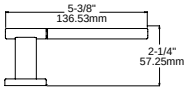


Wooster Square

One of New Haven's most prominent neighborhoods, Wooster Square, was the home to many SARGENT employees in the late 1800's. Reflective of the 19th century craftsmanship that these people brought to the area, the Wooster Square Series blends modern-day materials with tasteful, clean lines.

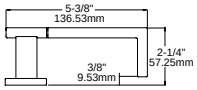


H001*





H002*



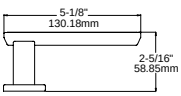
Lever returns within 1/2" (13mm) of door face

*Not available with roseless trim



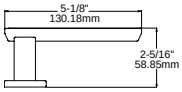


H003*



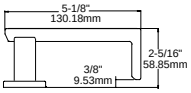


H004*





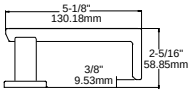
H005*



Lever returns within 1/2" (13mm) of door face



H006*



Lever returns within 1/2" (13mm) of door face

Note: H003 - H006 contains white or black polycarbonate insert and are not available with MicroShield® antimicrobial coating

*Not available with roseless trim

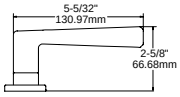


Grant Park

Known as Chicago's "front yard," Grant Park is located in the central business district. Influenced by Chicago's architectural innovation such as the Smurfit-Stone Building, the Grant Park Series levers are timeless, contemporary pieces with reserved ornamentation.

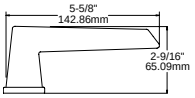


H007*





H008*

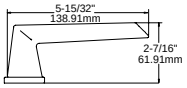


*Not available with roseless trim and H008 is not offered with a privacy function on Tubular Locks (DLU65).



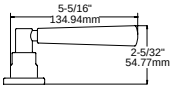


H009*



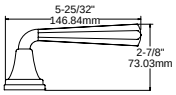


H010*





H011*



*Not available with roseless trim and H009 and H011 not offered with a privacy function on Tubular Locks (DLU65).

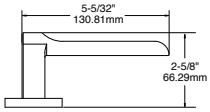


Berlin

Imagined in Berlin, Germany, Bauhaus design melds fine art and craftsmanship. Blending straight lines with flowing curves, The Berlin Series levers express luxury and sophistication.

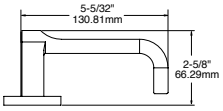


H015*





H016*



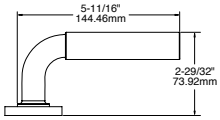
Lever returns within 1/2" (13mm) of door face

*Not available with roseless trim



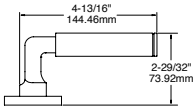


H017*





H018*



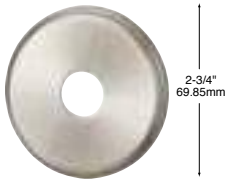
*Not available with roseless trim



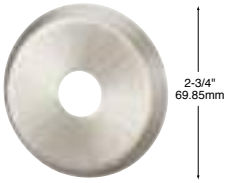
Roses

DL Tubular Lock Roses

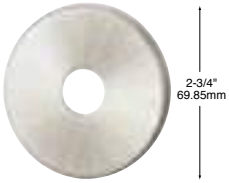
TO Rose



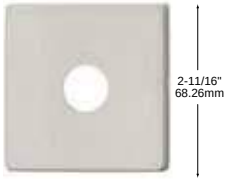
CO Rose



O Rose



E2 Rose[1]

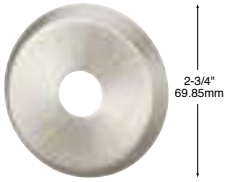


8200 & 7900 Mortise Lock Roses

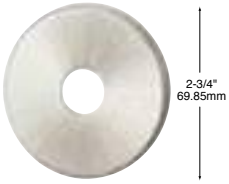
TO Rose



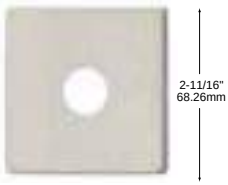
CO Rose



O Rose



E2 Rose[1]



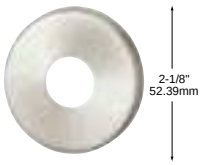
TR Rose



CR Rose



LN Rose



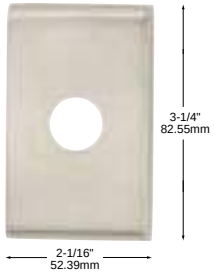
E3 Rose[1]



Simplí™ Roseless Collar[2]



E4 Rose[1]



[1]Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses
[2]Available on DL Tubular Locks, 8200 Mortise Locks, Harmony Access Control Mortise Locks.

Thumbturns + Escutcheons

8200 & 7900 Mortise Lock Thumbturns

Note: Thumbturn back plate will match rose design chosen

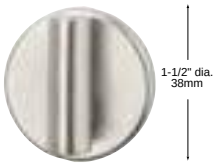
T1 Turn



T2 Turn



T3 Turn



Escutcheons

TE Escutcheon



CE Escutcheon



LE1 Escutcheon





Finishes

Picking a finish is like putting the icing on a cake. Choose one of Studio Collection's delicious 16 architectural finishes including brass, bronze, stainless steel and MicroShield® antimicrobial coating.



03 Bright Brass, Clear Coated



04 Satin Brass, Clear Coated



09 Bright Bronze, Clear Coated



10 Satin Bronze, Clear Coated

Note: Select lever styles not offered in stainless steel finishes (32/32D). Contact factory for availability.



10B Dark Oxidized Satin Bronze, Oil Rubbed



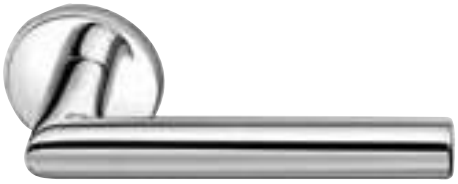
10BE Dark Oxidized Satin Bronze, Equivalent



10BL Dark Oxidized Satin Bronze, Clear Coated



20D Statuary Dark Bronze, Clear Coated



26 Bright Chrome Plated



26D Satin Chrome Plated



14 Bright Nickel Plated, Clear Coated



15 Satin Nickel Plated, Clear Coated



32 Bright Stainless Steel



32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



Sophisticated Elegance

Black Suede (BSP) is a permanent matte finish that conveys sophisticated elegance. Tested to ANSI/BHMA A156.18 standards, BSP delivers a “suede-like” feel.

Durable and cost effective, this finish is available through several ASSA ABLOY Group brands.





To mix and match style and finishes, visit selector.sargentlock.com

Gramercy*

RAG



RAL



RAM



RAS



RCM



REM



RGM



Centro

MD



MJ



MP*



ND



NJ



Aventura

MB



ME



MF



MG



MI



MW



NF



Berlin*

H015



H016



H017



H018



All levers meet ADA guidelines

*Not available with roseless trim

Notting Hill

MA



MO



MQ



MT*



MY



MZ



Odéon

MH



MN*



MS



MU



MV



MX



NU



NS



Wooster Square*

H001



H002



H003



H004



H005



H006



Grant Park*

H007



H008



H009



H010



H011





the good design studio

With ASSA ABLOY, it's not just about good looking door hardware...it's about the entire opening. Beautiful doors and frames, pulls, hinges, coat hooks, door stops and of course...locks, access control and exit devices with superbly stylized levers. ASSA ABLOY Group companies offer suited door openings in the epic pursuit of Good Design and the Total Aesthetic Opening.



1. CECO DOOR and CURRIES Flush Steel Door
2. CECO DOOR and CURRIES 1-Inch, Narrow Profile Steel Frame
3. McKinney Concealed Hinges (ASSA ABLOY)
4. Mortise lock with Simplí™ roseless trim and decorative lever (SARGENT)



the good design studio

One of many collections offered through ASSA ABLOY Group brands and showcased at The Good Design Studio. Visit www.thegooddesignstudio.com to learn more.

Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

SARGENT
ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

STUDIO
collection

Leading THE Way

FOR YOU

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www.studiocollection.com

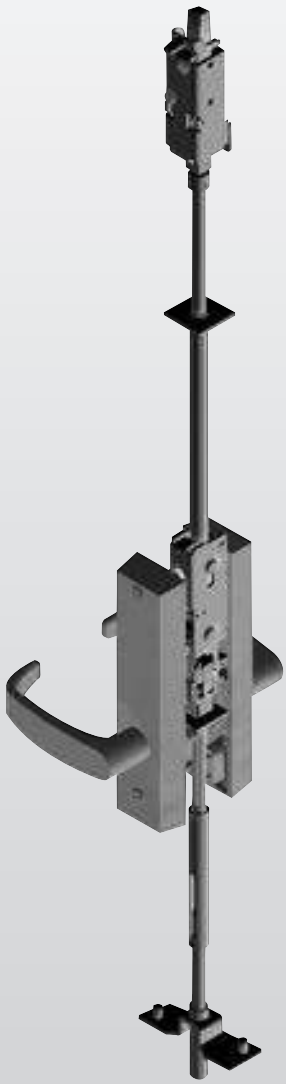
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160 Four Valley Drive • Vaughan, ON L4K 4T9
800.461.3007 • www.assaabloy.ca

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90101 5016 01/21

Product Catalog

SARGENT
ASSA ABLOY

7000 Series
Multi-Point Lock



Experience a safer
and more open world

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7000 Series Vertical Rod Locks

SARGENT
ASSA ABLOY

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Architectural Specifications 19

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

EcoFlex™ inside
GreenCircle CERTIFIED

EcoFlex® Technology

- Reduces energy consumption up to 95% for Exit Trim, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

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On The Cover

- 701515ETL

Introduction and UL Chart

7000 Series Vertical Rod Locks

SARGENT
ASSA ABLOY

The 7000 Series Multi-Point Lock is ideal for security applications and joins the SARGENT line of multi-point door security devices including:

- The FM7100 Multi-Point auto deadlocking system
- Exit Devices with the choice of concealed or surface mounted vertical rods

Eliminating the need for automatic flushbolts and coordinators, the 7000 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation and is perfect for a wide variety of applications where exit devices are not required.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option.

Rods are retracted by dual mounted controls with a variety of functions available.

The 7000 Series is available for fire rated openings as a 12- for wood or metal doors.

Thermal pin requirements for fire rated doors:

- Double doors with two point latching on each do not require thermal pins
- Double doors with single point latching (NB-) on each require a total of 2 thermal pins, one thermal pin (supplied) for each device
- Single door applications: contact factory

Simplicity

- Easy installation!
- Maintenance free design
- Few moving parts – less wear
- Modular construction

Aesthetics

- Clean, simple, aesthetically pleasing design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- *Coastal Series* and *Studio Collection decorative* levers available

Security

- Torx® and spanner screws available
- Master keying available with SARGENT security key systems: Degree, Signature, XC, Keso and Keso F1

Innovation

- The 7000 Series is available with a variety of electro-mechanical solutions, including bolt monitoring, solenoid activated trim and inside and outside lever monitoring
- Also available with Integrated Wiegand access control solutions, Harmony® and SE LP10®. Sold through ASSA ABLOY Authorized Channel Partners. Please refer to the Harmony catalog and the SE LP10 catalog for more details on each access control device.

Strength & Durability

- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

Application	Device	Maximum Door Opening	UL Fire Door Hardware Rating				
			3 Hours (A)	1-1/2 Hour (B)	3/4 Hour (C)	20 min.	Notes
Pair of Doors Swinging in Same Direction	12-7000 x 12-7000	8' x 10' Hollow Metal	X	X	X	X	1A, 1B
	12-NB-7000 x 12-NB-7000	8' x 10' Hollow Metal	X	X	X	X	1A, 1B, 2A
	12-WD7000 x 12-WD7000	8' x 8' Wood		X	X	X	1A, 1B
	12-NB-WD7000 x 12-NB-WD7000	8' x 8' Wood		X	X	X	1A, 1B, 2B
Pair of Doors Swinging in Opposite Directions	12-7000 x 12-7000	8' x 10' Hollow Metal	X	X	X	X	1B
	12-NB-7000 x 12-NB-7000	8' x 10' Hollow Metal	X	X	X	X	1B, 2A
	12-WD7000 x 12-WD7000	8' x 8' Wood		X	X	X	1B
	12-NB-WD7000 x 12-NB-WD7000	8' x 8' Wood		X	X	X	1B, 2B

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Note 1A: An astragal cannot be used when both doors are active
Note 1B: Door construction limitations or building code may require the use of an astragal to match the maximum hardware listing
Note 2A: Hardware listing requires 2 thermal pins, door-to-door orientation
Note 2B: Hardware listing requires 2 thermal pins, door-to-floor orientation

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Windstorm Certifications

7000 Series Vertical Rod Locks

SARGENT
ASSA ABLOY

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

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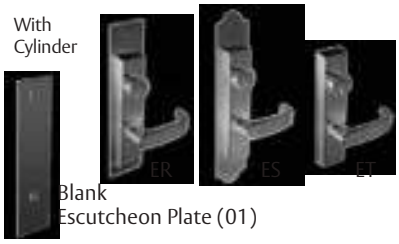
ET, ER & ES Trims

7000 Series Vertical Rod Locks

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Trim Options

With Cylinder



Blank Escutcheon Plate (01)

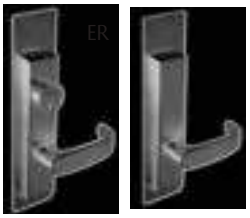
Without Cylinder

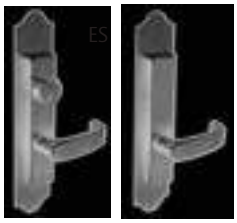


ER & ES Controls are ET Controls with back plates.

The back plates are:
- Mounted between the trim and the door
- Required for wood doors (WD-)
- Optional on metal doors

Note: May be used to cover existing door preps





ER, ES & ET Lever Controls

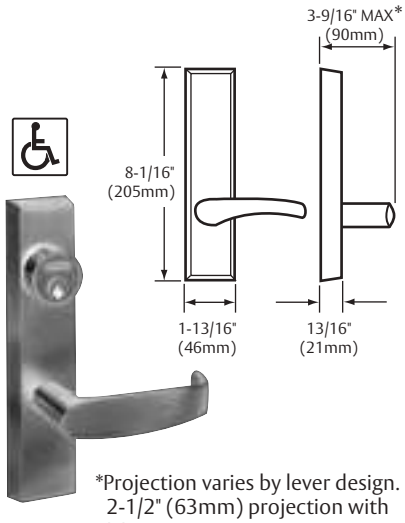
Easy operating lever handle allows convenient one hand operation. Coastal, Studio & standard levers are either brass or bronze. Stainless steel levers are available in standard designs only. The control is brass, plated as required.

Features EcoFlex® Technology.

The outside trim is specified as a -2 control with function specified (e.g., 713-2 ET, 713-2 ER & 713-2 ES x lever design, hand & finish).

The inside control is a MP and -2 control with function specified (e.g., MP715-2 ET, MP715-2 ER or MP715-2 ES x lever design, hand & finish).

Note: 73 & 74 functions require the voltage to be specified, 12V or 24V.



*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

100 Series Aux Control

- 100 Series Control offers key override for 01, 10, 40, 73 & 74 function devices
- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder



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Standard & Coastal Lever Designs

7000 Series Vertical Rod Locks

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Standard Levers

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering



B Lever Design

- Lever: B-Solid forged or cast



E Lever Design

- Lever: E-Solid forged or cast



F Lever Design

- Lever: F-Solid forged or cast



J Lever Design

- Lever: J-Solid bar stock



L Lever Design

- Lever: L-Solid forged or cast



P Lever Design

- Lever: P-Solid forged or cast



W Lever Design

- Lever: W-Solid bar stock



Coastal Series™ Levers

- Solid Cast Brass

G - Gulfport™

- Must specify hand when ordering



R - Rockport™

- Must specify hand when ordering



S - Sanibel™

- Must specify hand when ordering



Y - Yarmouth™

- Must specify hand when ordering



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Studio Collection Levers

7000 Series Vertical Rod Locks

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series


MC[2]


MD


MJ


MP[2]


ND[1]


NJ[1]

Notting Hill Series[2]

(MA & MO are Non-Handed Levers)


MA


MQ


MT


MM


MY[1]


MO


MZ[1]

Aventura Series


MB


ME


MF


NF[1]


MG


MI


MW[1]

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1. Lever returns within 1/2" (13mm) of door face
2. Not available in 32D or 32 finish

Studio Collection Levers

7000 Series Vertical Rod Locks

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Odéon Series[4]

(Handed Levers)


MN


MH


MK


MS


MU


MV


MX[1]


NS[1]


NU[1]

Gramercy Series[2]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin


H015


H016[1]


H017


H018

Wooster Square[3]


H001


H002[1]


H003


H004


H005[1]


H006[1]

Grant Park

(H008 is handed)


H007


H008


H009


H010


H011

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. See page 9 for ordering information
3. H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
4. Not available in 32D or 32 finish

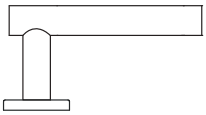
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How to Order Gramercy Series Levers

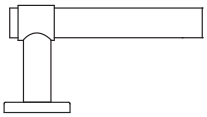
7000 Series Vertical Rod Locks

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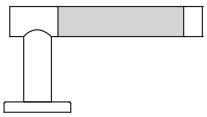
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

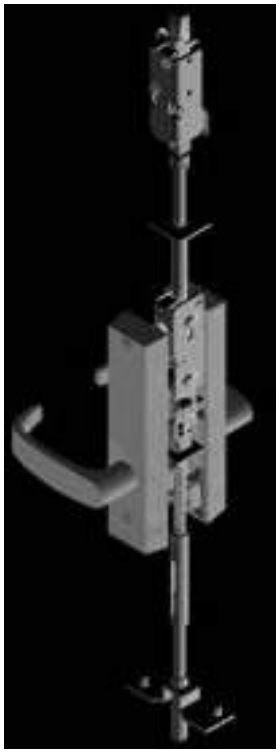
To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629

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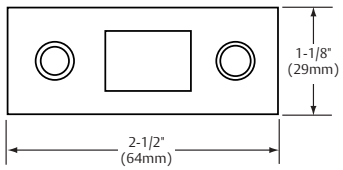
Features and Specifications

7000 Series **Vertical Rod Locks** for Metal Doors

SARGENT
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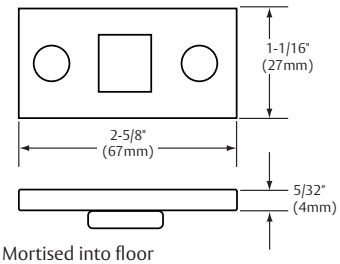


650 Top Strike



- Stainless steel
- Top strike for 7000, 12-7000, NB-7000, 12-NB-7000

606 Bottom Strike



- Mortised into floor
- Stainless steel
- Bottom strike for 7000, 12-7000

Features

- Designed for metal door applications with 2-1/4" Backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-7000 and 12-NB-7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Single or double door applications
- UL Fire Listed: 12-7000 / 12-NB-7000 (12-NB- is for double door applications only)
- UL Certified to ZHEM.R21744 (HC and WS option)

Specifications

For Doors	Metal doors, 1-3/4" (44mm) door thickness standard, 3-7/8" minimum stile, 2-1/4" backset standard
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 1" (25mm)
Latching	Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)
Fire Exit Hardware	See Chart page 1
Trim	ET, ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 10, 40, 73 & 74 function devices
Functions	01, 06, 10, 13, 15 , 16, 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	650 Top Strike, 606 Bottom Strike, standard
Cylinder	#41 Mortise Cylinder

+ See page 10 for details When ordering always specify:

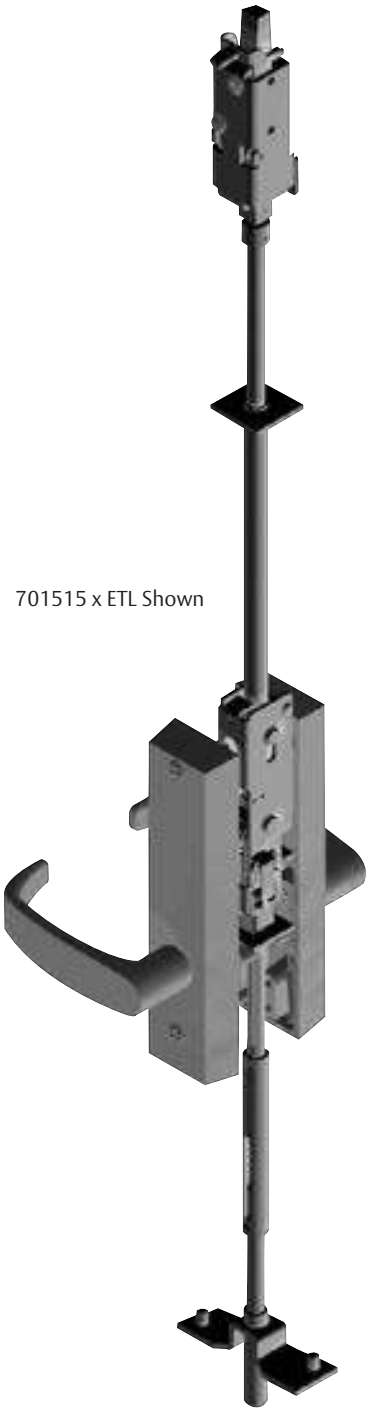
- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

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Features and Specifications

7000 Series **Vertical Rod Locks** for Aluminum Doors (AD70)

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ASSA ABLOY



701515 x ETL Shown

Features

- Designed for aluminum door applications
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-AD 7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Single or double door applications

Specifications

For Doors*	Aluminum doors, 1-3/4" (44mm) door thickness standard, 2-3/4" minimum stile for single doors, 2-1/2" minimum stile for double doors, 7/8" backset standard for double doors, 1-1/8" backset for single doors
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 1" (25mm)
Latching	Top and bottom (AD 7000) or Top only (NB-AD 7000)
Fire Exit Hardware	See Chart page 1
Trim	ET, ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 10, 40, 73 & 74 function devices
Functions	01, 06, 10, 13, 15, 16 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	640 Top and Bottom Strike, 639 Top Strike only, standard
Cylinder	#41 Mortise Cylinder

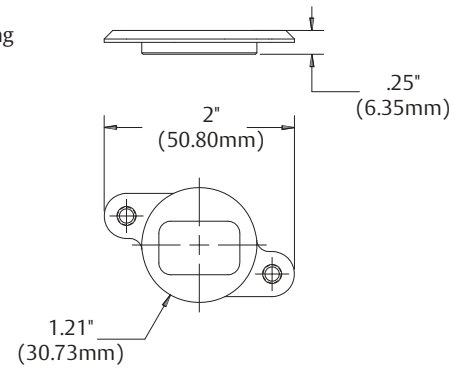
* Consult door manufacturer
+ See page 10 for details

When ordering always specify:

- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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Features and Specifications

7000 Series Vertical Rod Locks for Wood Doors (WD70)

SARGENT
ASSA ABLOY



701515 x ETL Shown
(WD7000 requires
an ER & ES Control)

Features

- Designed for wood door applications with 2-1/4" Backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Single or double door applications
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)

Specifications

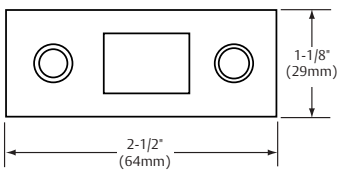
For Doors	Wood doors, 1-3/4" (44mm) door thickness standard, 3-7/8" minimum stile, 2-1/4" backset standard
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Field reversible; specify RHR, LHR, RH or LH
Top and Bottom Bolts	Stainless steel. Top and bottom bolt travels 7/16" (11mm) Projection adjustable up to 1" (25mm)
Latching	Top and bottom (WD7000, 12-WD7000) or Top only (NB-WD7000, 12-NB-WD7000)
Fire Exit Hardware	See Chart page 1
Trim	ER & ES Controls are available with all lever designs. 100 Series Auxiliary Control offer cylinder override for 01, 40, 10, 73 & 74 function devices
Functions	01, 06, 10, 13, 15 , 16 40, 43, 46 Freewheeling 73, 74, Electrical+
Strikes	650 Top Strike, 606 Bottom Strike, standard
Cylinder	#41 Mortise Cylinder

+ See page 10 for details

When ordering always specify:

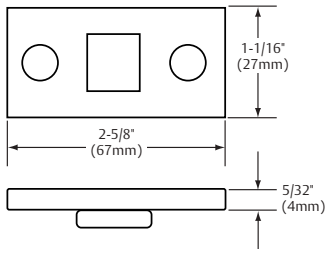
- Opening height (Standard opening height 96")
- AFF - Above Finished Floor - Centerline of lever to finished floor or threshold (Standard 35-7/8" AFF)

650 Top Strike



- Stainless steel
- Top strike, WD7000, 12-WD7000, NB-WD7000, 12-NB-WD7000

606 Bottom Strike



- Mortised into floor
- Stainless steel
- Bottom strike for WD7000, 12-WD7000

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Electric Latch Retraction Option (ELR)

7000 Series Vertical Rod Locks

SARGENT
ASSA ABLOY

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



Electric Latch Retraction Features

- 5 year warranty
- Patented
- Field serviceable - modular design
- Supports electrified dogging
- Motor-driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24 or 12VDC regulated/filtered power supply (3500 Series)
- Current draw:
  - 24VDC: 700mA during retraction & 150mA maintained in dogged position
  - 12VDC: 850mA during retraction & 250mA maintained in dogged position
- Available for 7000 series only
- See page 13 for compatible functions
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a ELR- option (e.g., ELR-701315 x ETMF x LH x 26D x 96)

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 4341 Push Button Switch (momentary)

EcoFlex® Technology

- Reduces energy consumption up to 95% for Exit Trim, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

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Function Combinations & Electrical Options

7000 Series Vertical Rod Locks, AD7000 & WD7000 Series Vertical Rod Locks

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Available Function Combinations:			Inside Function								
			6[1]	13[1]	15	16	40	43[1]	46[1]	73[1,4]	74[1,4]
Blank Escutcheon Plate	Outside Function	1	X	X	X			X	X	X	X
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		6	X	X	X					X	X
No outside Operation (No Cylinder); Pull Only		10[3]	X	X	X					X	X
Class Room Key Outside Unlocks/locks Trim; #41 Cylinder Supplied		13	X	X	X						
Passage only (No Cylinder)		15	X	X	X			X	X		
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		16				X					
Freewheeling Trim; No Outside Operation		40						X	X		
Freewheeling Trim; Key Outside Unlocks/locks Trim		43			X		X	X	X		
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		46			X		X	X	X		
Electrified Trim - Fail Safe		73[4]	X	X	X					X	X
Electrified Trim - Fail Secure		74[4]	X	X	X					X	X

Available Function Combinations When Used With an ELR Prefix			Inside Function					
			6[1]	13[1]	15	16	43[1]	46[1]
Blank Escutcheon Plate	Outside Function	1	ELR	ELR	ELR		ELR	ELR
Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed		6	ELR	ELR	ELR		ELR	ELR
No outside Operation (No Cylinder); Pull Only		10[3]	ELR	ELR	ELR		ELR	ELR
Class Room Key Outside Unlocks/locks Trim; #41 Cylinder Supplied		13	ELR	ELR	ELR		ELR	ELR
Passage only (No Cylinder)		15[2]	ELR	ELR	ELR	ELR	ELR	ELR
Key outside unlocks/locks O/S trim; Key inside unlocks/locks O/S trim		16				ELR		
Freewheeling Trim; No Outside Operation		40	ELR	ELR	ELR		ELR	ELR
Freewheeling Trim; Key Outside Unlocks/locks Trim		43	ELR	ELR	ELR		ELR	ELR
Freewheeling Trim; Key unlocks Trim; Trim retracts latch/Trim relocks when key is removed		46	ELR	ELR	ELR		ELR	ELR

1. Not recommended for use on any door used for Life Safety egress
2. Passage function, non-locking device
3. Rigid lever
4. 73 & 74 functions require the voltage to be specified, 12V or 24V.

Electrical Options

One Hinge

	NONE	53	54	55	53-54	53-55
NONE	—	QC4	QC8*	QC8*	QC12	QC12
Fail safe	QC8*	QC12	QC8*	QC8*	QC12	QC12
Fail Secure	QC8*	QC12	QC8*	QC8*	QC12	QC12
ELR	QC8*	QC12	—	—	—	—

Two Hinges**

	NONE	53	54	55	53-54	53-55
NONE	—	—	—	—	—	—
Fail safe	—	—	—	—	—	—
Fail Secure	—	—	—	—	—	—
Fail Safe, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Secure	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
Fail Secure, Fail Safe	QC8, QC8	QC8, QC12	QC8, QC8	QC8, QC8	QC8, QC12	QC8, QC12
ELR	—	—	QC8, QC8*	QC8, QC8*	QC8, QC12	QC8, QC12

* Available on WD
**Consult power transfer manufacturer and door manufacturer for load bearing hinge requirements.

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How to Order; Finishes; Handing

7000 Series Vertical Rod Locks

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How to Order:

Options*	Series	Outside Function	Inside Function	Trim	Lever	Voltage for Electrified Trim**	Hand	Aux Control	Finish	Opening Height
11-NB-	70, AD70, or WD70	(select from chart on page 13)	(select from chart on page 13)	ER, ES, or ET	(refer to pages 3-5)	12VDC	RHR , LHR, RH, or LH	106 or 113	(select from chart below)	84"

* Multiple options may be selected
** Specify voltage desired for 73 & 74 function (12VDC/24VDC)
Note: Mounting height is 35-7/8" AFF standard

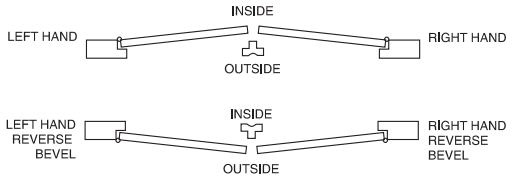
Finishes

Product	Description	BHMA
03	Polished brass, clear coat	605
04	Satin brass, clear coat	606
09	Polished bronze	611
10	Satin bronze, clear powder coat	612
10B	Oxidized bronze, oiled rubbed	613
10BE	Dark Oxidized Satin Bronze - Equivalent	(613E)
10BL	Oxidized Satin bronze, clear coat	614
14	Polished Nickel, clear coated	618
15*	Satin Nickel, clear coated	619
20D	Statuary bronze, dark	624
26	Polished chrome	625
26D*	Satin chrome	626
BSP	Black Suede Powder Coat	—

* Available with MicroShield®. Specify option as SG-

Handing

Door hands determined from outside of door or secured side.



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Cylinder Options

7000 Series Vertical Rod Locks

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Cylinder Options:

Large Format Interchangeable Core (Removable Core)	**60-**	Trim to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Trim provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Trim provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Small Format Interchangeable Core	**70-**	Trim to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Trim to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Trim provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Trim provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Trim provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Trim provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Trim provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Trim provided with SARGENT Keso Security Cylinder
	F1-82-	Trim provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Trim provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Trim provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Trim provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC- Cylinders Only)
Less Cylinder*	**LC***	Less Cylinder - SARGENT supplies standard blocking rings for 1-3/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder

* Not available for 16 function

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Mechanical Options

7000 Series Vertical Rod Locks

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Cylinder Options (continued):

XC- Key System	**11-**	XC- Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Trim to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Trim provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Trim provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Trim to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Trim to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Trim provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Trim provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC- and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)

Mechanical Options:

UL Listings	***12-**	UL Fire Label Exit hardware
	HC	Hurricane-Resistant (available on metal doors only; Maximum openings 8'0" x 8'0")
	WS	Windstorm Resistant (available on metal doors only; Maximum openings 8'0" x 8'0")
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels^ (Specify door thickness, panel thickness & location as required)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Electrical Options	**53-**	Latchbolt monitoring switch
	54-	Monitors outside lever with micro switch in the control
	55-	Monitors inside lever with micro switch in the control
	ELR	Electric Latch Retraction
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Studio & Coastal Levers and the A Lever)
	76-	76- Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	77- Tactile Warning - Milled Inside & Outside Levers (Not available with Studio & Coastal Levers and the A Lever)
	85-	85- Tactile Warning - Abrasive coating on Inside Lever
	86-	86- Tactile Warning - Abrasive coating on Outside Lever
	87-	87- Tactile Warning - Abrasive coating on Inside & Outside Levers
	88-	88- Lever Hold Back (Not available with 12-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	****** SG-**	MicroShield® antimicrobial clear powder coat
Top Rod Only	**NB-**	No bottom rod

* One thermal pin is supplied with each 12-NB-WD7000 device for double door application. Fire Rated 12-NB-WD7000 is not available on single door applications
** Available on 15 and 26D finishes only
^ ELR is not available on doors with panels

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Rod & Bolt Kits

7000 Series Vertical Rod Locks

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Mounting Heights

- 35-7/8" (911mm) from finished floor to centerline of lever for standard application

Thermal Pins

- 12-7000 or 12-WD7000 devices installed on pairs of fire-rated doors do NOT require thermal pins
- 12-NB7000 and 12-NB-WD7000: devices are supplied with ONE thermal pin per fire-rated device, for installation on pairs of fire-rated doors
- For single door applications, consult factory

Rod Replacement Kits

Product	Top Rod Kit	Bottom Rod Kit
7000, AD7000	MD663T*	663B**
WD7000	WD663T*	663B**
WD7000 x AUX	WDA663T*	663B**

Rod & Bolt Replacement Kits

Product	Top Rod & Bolt Kit	Bottom Rod & Bolt Kit
7000, AD7000	MD694T*	694B**
WD7000	WD694T*	694B**
WD7000 x AUX	WDA694T*	694B**

* Opening height required & mounting height is 35-7/8" standard

** Mounting height is 35-7/8" standard

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Architectural Specifications

7000 Series Vertical Rod Locks

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Architectural Specifications

A. Multi-Point Locking Solutions shall be 7000 Series devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Multi-Point Locking Solutions shall be certified to meet or exceed the requirements of ANSI/BHMA A156 3 Grade 1.

C. Multi-Point Locking Solutions shall be listed by Underwriters Laboratories and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Multi-Point Locking Solutions for fire labeled doors shall be UL listed as "Fire Exit Hardware".

D. Rods shall be retracted in one operation by dual mounted lever controls with a complete range of functions, including electro-mechanical, on the secure side of the door.

E. The device shall also be available as a single latching device with top latching only, eliminating the bottom strike.

F. Lever trim shall be available in finishes and designs to match that of the specified locksets.

G. There are no approved substitutes.

H. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.

SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90147 04/21

Product Catalog

SARGENT
ASSA ABLOY

7300 Series
Multi-Point Lock



Experience a safer
and more open world

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7300 Series Multi-Point Locks

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ASSA ABLOY

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

EcoFlex® inside — GreenCircle CERTIFIED

EcoFlex® Technology

- Reduces energy consumption up to 95% for Exit Trim, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

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Certifications

7300 Series Multi-Point Locks

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Certification Compliance[1,2]

ANSI/BHMA	Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL listed to US and Canadian safety standards as follows: - 7300: A label 4 x 10 single and 8 x 10 double (3-hour fire doors) and lesser class doors - FM7300 and BL7300: A label 4 x 8 single and 8 x 8 double (3-hour fire doors) and lesser class doors Armored front is stamped with letter F and UL symbol to indicate listing.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13 mm) of door face

Florida Building Code Listed
UL Certification Directory: ZHEM.R21744 – Latching Hardware[1,2]

ANSI/SDI A250.13 (2014)	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ASTM E330 (2002)	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"*
ASTM E1886 (2005)	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996 (2009)	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201 (1994)	"Impact Test Procedures"*
(TAS) 202 (1994)	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203 (1994)	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the 7th Edition (2020) "Florida Building Code" (FBC), State Product Approval Number FL2998

Windstorm Certifications: UL Listings (Available on BL7300 Series and FM7300 Series only)[1,2]

ASTM E300 (2002)	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E1886 (2005)	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
ASTM E1996 (2009)	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
NFPA80	"Standard for Fire Doors and Other Opening Protectives"

Windstorm Certifications: UL Listings (Available on FM7300 Series only)[1,2]

FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business," investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms" investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters," investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. Table 305.1.1 of ICC 500 correlates design wind speed to the minimum missile speeds.

Blast Testing Standards: (Available on the BL7300 only)[1,2]

UFC 4-010-01 (2020)	Meets UFC 4-010-01 Unified Facilities Criteria - DoD Minimum Anti-terrorism standards
ASTM 2927-12 (2012)	Meets ASTM 2927-12 Response Categories 1 (no damage) and 2 (damage, but operable)

1. Certifications and testing standards are done to meet assembly requirements, in conjunction with doors from ASSA ABLOY Group companies Ceco Door and Curries.
2. Any retrofit or other field modification to a fire and/or windstorm rated opening can potentially impact the fire rating of the opening, and SARGENT Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire and/or windstorm rated opening, or specifying and installing a new fire and/or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Introduction & Features

7300 Series Multi-Point Locks

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The SARGENT 7300 Series lock is a multi-point lock system, developed to serve a variety of markets and applications. Its sturdy, heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during an event or to provide increased security to openings where needed. This multi-point locking system comes as a complete assembly integrated with Ceco Door and Curries doors and frames and McKinney hinges.

This product line consists of our FM (FEMA), BL (Blast) and standard multi-point locks.

The FM7300 Series is UL-listed for FEMA P-361 (2015), FEMA P-320 (2014), ICC 500 (2014) and Florida Building Code (FBC) capable of withstanding severe wind speeds and flying debris. This lock consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latch bolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches. The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the holdback feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions.

The BL7300 Series is designed and equipped to handle a variety of blast and hurricane applications and environments. Perfect for both internal and perimeter settings, the lock helps to minimize the risk of intentional and unintentional accidents. This lock meets ASTM Response Categories 1 and 2, and meets UFC 4-010-01 DoD Minimum Anti-terrorism Standards for Buildings. This multi-point locking system comes as a complete assembly integrated with Ceco Door and Curries Multi-Solution Opening doors and frames and McKINNEY StormPro® hinges. It is an ideal solution for both the hardening of buildings and hazard prevention.

The standard 7300 Series offers more economical solution, while maintaining the security benefits of a (3) point latching system. A more versatile product offering, it opens up increased functionality from the SARGENT 8200 Series mortise lock to provide solutions for a variety of applications and expand the user interaction capabilities. See the functions and descriptions section for more detail.

Innovation

- Unique and robust multi-point deadlocking system engineered to help save lives
- Integrated with doors, frames and hinges to provide an opening that meets tornado and hurricane shelter guidelines, as well as blast resistance

Applications

7300 Series

- Used in cases with higher security needs
- Back of retail, dispensaries and residential facilities

FM7300 Series

- Perfect for community refuge areas where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, schools, healthcare facilities, and government facilities

BL7300 Series

- Petrochemical
- Government/Military
- Museums
- Hurricane environments
- Critical Infrastructure

Strength & Durability

- UL 3-hour fire rating
- Extra heavy-duty steel components secure the door to the frame:
  - Multiple locations: top, bottom, and center latch points
- Heavy-duty sectional trim standard
- Fortified with high-tensile alloy fasteners
- Thru-bolted to door for solid attachment

Features

- Utilizes a standard mortise lock, offering a full range of standard mortise lock mechanical functions and electrified options:
  - See function overview chart on page 13.
  - Three latch points project automatically; fourth latch point with a single motion
  - Dogging option allows the lock to operate as a standard mortise lock with a single latch point (Not available with BL7300 Series)
  - Concealed vertical rods for additional security
  - Available with access control options
  - Inswing and outswing applications
  - Concealed vertical assembly (rods, latches and cassette) will be pre-installed. See page 32 for details.
  - Seven-year warranty

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Specifications

7300 Series Multi-Point Locks

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7300 Series Specifications

Door	1-3/4" thick door only; 7300 Series requires utilizing Ceco Door Medallion and Curries 747 doors and frames and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 10'0" and double doors 5'4" x 6'8" up to 8'0" x 10'0" (Double doors require 2-988 surface bolts)
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For Certifications see page 3.

Attention: Doors and frames must be ordered through Ceco and Curries in order for certifications to be met. See Door Specifications above for specific product offerings needed to meet assembly requirements.

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Specifications

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FM7300 Series Specifications

Door	1-3/4" thick door only; FM7300 Series requires utilizing Ceco Door StormPro® 361 and Curries StormPro® 361 doors and frames. McKINNEY® StormPro® hinges are required when used as a certified tornado solution
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 8'0" and double doors 6'0" x 6'8" up to 8'0" x 8'0" (Double doors require 2-988 surface bolts)
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For UL & Windstorm Certifications see page 3.



Attention: Doors and frames must be ordered through Ceco and Curries in order for certifications to be met.
See Door Specifications above for specific product offerings needed to meet assembly requirements.

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Specifications

7300 Series Multi-Point Locks

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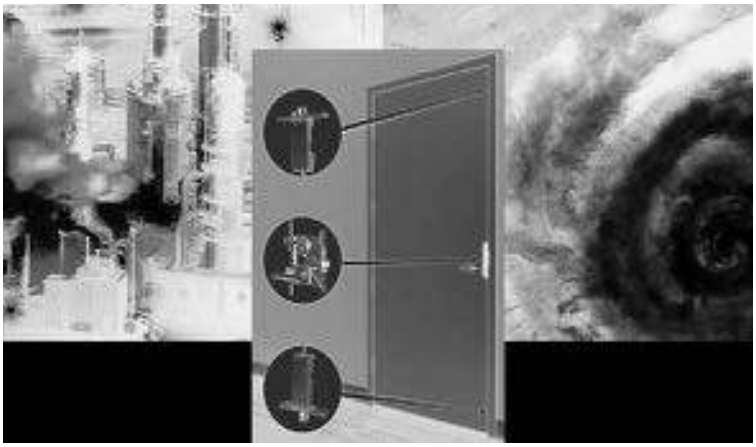


BHMA CERTIFIED

BL7300 Series Specifications

Door	1-3/4" thick door only; BL7300 Series requires utilizing Ceco Door and Curries Multi-Solution Opening doors and frames and McKINNEY® StormPro® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Lockbody	Utilizes standard 8200 Series mortise lock
Top Bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom Bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center Bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock Front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center Bolt Strike	1/4" thick stainless steel
Backset	Lever: 2-3/4" standard; Rods 5-1/4"
Door Thickness	1-3/4" standard
Maximum Opening	Single door 2'8" x 6'8" up to 4'0" x 8'0", Paired doors up to 6.0" x 7.0"
UL Fire Listed	UL 3-hour fire rating
Trim	Multiple sectional and escutcheon mortise trim with Standard or Studio Collection levers
Cylinder	Multiple mortise cylinders

Note: For Certifications see page 3.



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Attention: Doors and frames must be ordered through Ceco and Curries in order for certifications to be met.
See Door Specifications above for specific product offerings needed to meet assembly requirements.

Functions & Descriptions

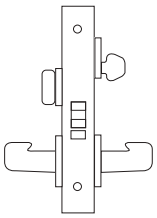
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Single Cylinder without Deadbolt

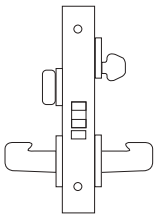
***05 Office or Entry**
7300

- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt, trim outside remains locked
- Thumbturn inside locks & unlocks outside trim
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F04**



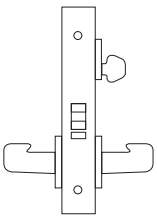
56 Office & Inner Entry Lock
7300

- Key outside retracts latchbolt
- Trim inside always retracts latchbolt and unlocks outside trim
- Trim outside is locked by thumbturn or key
- Auxiliary deadlatch



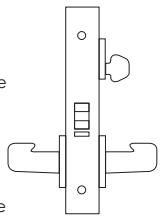
***‡37 Classroom**
7300

- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- ANSI F05



89 Holdback
7300

- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
- **ANSI F06**



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✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

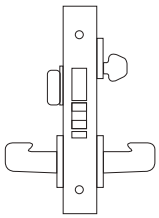
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Single Cylinder with Deadbolt

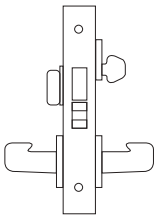
18 Classroom
7300, FM7300, BL7300

- Inside trim is always unlocked
- Inside thumbturn only retracts and projects deadbolt
- When deadbolt is projected, inside trim retracts latchbolt and deadbolt simultaneously
- Key outside locks and unlocks outside trim
- When outside trim is unlocked, outside trim retracts latchbolt and deadbolt simultaneously



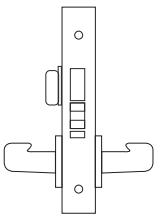
25 Exit/Dormitory
7300, FM7300, BL7300

- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**



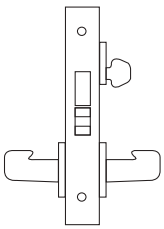
✦ 24 Storeroom
7300, FM7300, BL7300

- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
- **ANSI F21**



✦ 27 Closet or Storeroom
7300

- Key outside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Same as 24 function without thumbturn
- Latchbolt & deadbolt operate independently of each other



Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
  In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.

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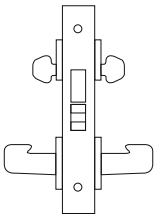
Functions & Descriptions

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

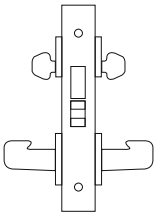
Double Cylinder with Deadbolt

✦ 26 Store Door
7300, FM7300, BL7300



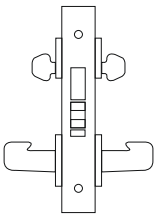
- Key from either side retracts & projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

39 Classroom Security Intruder Deadbolt
7300, FM7300, BL7300



- Key either from side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

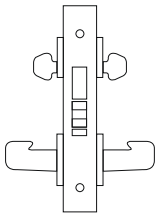
40 Classroom Security Intruder Auxiliary Deadbolt
7300, FM7300, BL7300



- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch

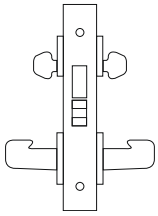
- **ANSI F34**

41 Classroom Security Intruder Deadlatch
7300, FM7300, BL7300



- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

✦ 49 Security Deadbolt
7300, FM7300, BL7300



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
  In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

✦ **CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.**

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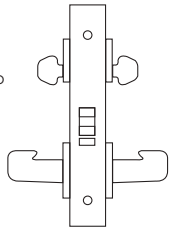
Functions & Descriptions

7300 Series Multi-Point Locks

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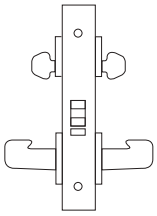
Double Cylinder without Deadbolt

***38 Classroom Security Intruder Latchbolt**
7300



- To verify Indicators in 8200 models and 7300 cassette. To make sure no overlaping components.
- Key from either side locks & unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F32**

90 Classroom Security Holdback
7300



- Key from either side retracts latchbolt, also locks & unlocks outside trim
- Latchbolt can be locked in the retracted position by key from either side
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

✦ **CAUTION**: Not recommended for use on any door used for Life Safety egress

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
  In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

✦ **CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.**

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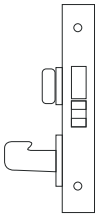
Functions & Descriptions

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

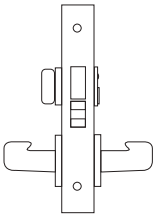
Non-Keyed

01 Inside Passage
7300, FM7300, BL7300



- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Blank outside escutcheon

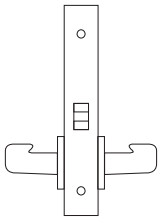
14 Passage
7300



- Thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Both inside and outside trim are always unlocked
- Emergency Release locks/unlocks trim outside- by coin, screwdriver or Emergency key (14-0057) ordered separately
- When deadbolt is projected trim inside or outside retracts latchbolt and deadbolt simultaneously

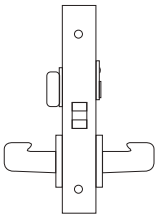
Note: This function allows free entry at all times, even when deadbolt is projected during possible severe weather conditions.

19 Passage or Closet
7300



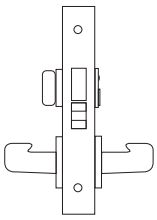
- Trim from either side retracts latchbolt at all times
- **ANSI F01**

***65 Privacy Bath/Bedroom**
7300



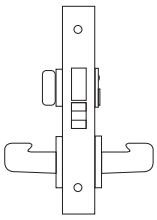
- Trim outside retracts latchbolt except when locked by thumbturn
- Trim inside retracts latchbolt and unlocks outside trim
- Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately
- Thumbturn locks and unlocks trim outside
- Closing the door will unlock outside trim
- **ANSI F22**

66 Privacy Bath
7300, FM7300, BL7300



- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (14-0057) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**

✦ 68 Privacy Bedroom
7300, FM7300, BL7300



- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt - by coin, screwdriver, or emergency key (14-0057) ordered separately
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock.
  In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

✦ CAUTION: These functions require two separate motions for egress. Not recommended for use on any door used for Life Safety egress.

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Functions Overview

7300 Series Multi-Point Locks

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	Available Functions	Description	7300	FM7300	BL7300
Single Cylinder without Deadbolt	05	Office/Entry	X		
	37	Classroom	X		
	56	Office & Inner Entry Lock	X		
	89	Holdback	X		
Single Cylinder with Deadbolt	18	Classroom	x	X	X
	24	Storeroom	x	X	X
	25	Exit/Dormitory	x	X	X
	27	Closet or Storeroom	X		
Non-Keyed	01	Inside Passage	X	X	X
	14	Passage	X		
	19	Passage or Closet	X		
	65	Privacy Bath/Bedroom	X		
	66	Privacy Bath	X	X	X
	68	Privacy Bedroom	X	X	X
Double Cylinder with Deadbolt	26	Store Door	X	X	X
	39	Classroom Security Intruder Deadbolt	X	X	X
	40	Classroom Security Intruder Auxilary Deadbolt	X	X	X
	41	Classroom Security Intruder Deadlatch	X	X	X
	49	Security Deadbolt	X	X	X
Double Cylinder without Deadbolt	38	Classroom Security Intruder Latchbolt	X		
	90	Classroom Security Holdback	X		
	72-12V	Electrical Fail Safe Lock, 12 Volt	X		
	72-24V	Electrical Fail Safe Lock, 24 Volt	X		
	73-12V	Electrical Fail Secure Lock, 12 Volt	X		
	73-24V	Electrical Fail Secure Lock, 24 Volt	X		
	270-12V	Electro-Mechanical Lock - Fail Safe (12v Solenoid) (Access Control)	X		
	270-24V	Electro-Mechanical Lock - Fail Safe (24v Solenoid) (Access Control)	X		
	271-12V	Electro-Mechanical Lock - Fail Secure (12v Solenoid) (Access Control)	X		
	271-24V	Electro-Mechanical Lock - Fail Secure (24v Solenoid) (Access Control)	X		
	276	Electro-Mechanical Lock - (Motorized With Key Override And With Deadbolt) (Access Control)	X	X	X
	277	Electro-Mechanical Lock - (Motorized With Deadbolt) (Access Control)	X	X	X
	278	Electro-Mechanical Lock - (Motorized) (Access Control)	X		
	279	Electro-Mechanical Lock - (Motorized) (Access Control)	X		
	280-12V	Electro-Mechanical Lock - (Fail Safe With Key Override) (Access Control)	X	X	X
	280-24V	Electro-Mechanical Lock - (Fail Safe With Key Override) (Access Control)	X	X	X
	281-12V	Electro-Mechanical Lock - (Fail Secure With Key Override) (Access Control)	X	X	X
	281-24V	Electro-Mechanical Lock - (Fail Secure With Key Override) (Access Control)	X	X	X
	284-12V	Electro-Mechanical Lock - Fail Safe (12v Solenoid With Deadbolt) (Access Control)	X	X	X
	284-24V	Electro-Mechanical Lock - Fail Safe (24v Solenoid With Deadbolt) (Access Control)	X	X	X
	285-12V	Electro-Mechanical Lock - Fail Secure (12v Solenoid With Deadbolt) (Access Control)	X	X	X
	285-24V	Electro-Mechanical Lock - Fail Safe (24v Solenoid With Deadbolt) (Access Control)	X	X	X

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Electrical Functions & Monitoring Options

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Electrified Mortise Locks with Standard Monitoring Options

SARGENT 7300 Series electromechanical mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring EcoFlex™ Technology*

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

**Patent pending*

Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

DX - option — Deadbolt Monitor

- Switch mounted internally in lockbody that indicates deadbolt position
- Available in all deadbolt functions

LX- option - Latchbolt Monitor

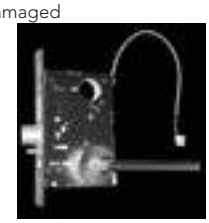
- Please contact factory

Description of Functions:

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, lock outside trim
- Deadbolt projected and retracted by thumbturn only (for non-key override)
- Two switches mounted internally, within lockbody, to monitor lever rotation

Warning:

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection



Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

Electromechanical Functions:

No key override with deadbolt			
Fail Safe	NAC-	FM73	284
Fail Secure	NAC-	FM73	284

Key override with deadbolt			
Fail Safe	NAC-	FM73	280
Fail Secure	NAC-	FM73	281

High Security Monitoring Options

Internal End-of-Line Monitoring

Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

Select a compatible resistor configuration and add the appropriate prefix to your order string:

- R01 - EOL Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
- R03 - EOL Software House compatible 1KΩ/2KΩ resistance supervision
- R04 - EOL AMAG compatible 4-state supervision

Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
- The lock must have a deadbolt for a tornado shelter rating.
- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
- A dogging indicator can be ordered separately under code 188. A dogging indicator dogs the top/bottom latches so the lock can function as a normal mortise lock. In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

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Access Control Platforms

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

SARGENT 7300, BL7300, and FM7300 Series multi-point locks can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.37 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock, and fire hazard.

Below is a list of compatible platforms:

- IN Series (IN120, IN220)
- Harmony Series (H1, H2)
- SE LP10 (M1)
- Passport 1000 (P1, P2, PG)

For complete information regarding the compatibility of all 7300 Series multi-point locks with electronic access control devices, reference the individual product catalogs, available in the Partner Area on www.intelligentopenings.com.

SARGENT Electronic Access Control Functions

		IN Series		Harmony		SE LP10	Passport 1000		
									
		IN120	IN220	H1	H2	M1	P1	P2	PG
No Key Override with deadbolt									
Fail Safe	73 FM73 BL73	277		284			277	277	277
Fail Secure				285					
Key Override with deadbolt									
Fail Safe	73 FM73 BL73	276		280			276	276	276
Fail Secure				281					

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Items of Note:

- All function descriptions are specific to latchbolt and deadbolt operation only.
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- Top and bottom rods automatically project when the door is closed and retract when inside or outside lever is turned.
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  In an emergency, un-dog the rods and the top/bottom latches will engage. Not available on BL version.

Studio Collection Levers

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Studio Collection levers are available in a broad array of designs and finishes allowing for uniformity throughout a facility.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Aventura Series


MB


ME


MF


NF[1]


MG


MI


MW[1]

Centro Series


MC[3]


MD


MJ


MP[3]


ND[1]


NJ[1]

Gramercy Series [2]


RCM


RAL


REM


RAM


RAS


RAG


RGM

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[1] Lever returns within 1/2" (13mm) of door face.

[2] Gramercy levers are customized. See "How To Order" on page 24 for ordering information.

[3] Not available in 32D or 32 finish

Studio Collection Levers (continued)

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Grant Park
(H008 Lever is Handed)


H007


H008


H009


H010


H011

Odéon Series
(Handed Levers)


MN[3]


MH[3]


MK[3]


MS[3]


MU[3]


MV[3]


MX[1,3]


NS[1,3]


NU[1,3]

Notting Hill Series
(Handed Levers)


MA[3]


MQ[3]


MT[3]


MM[3]


MY[1,3]


MO[3]


MZ[1,3]

Wooster Series [2]


H001


H002[1]


H003


H004


H005[1]


H006[1]

Berlin Series


H015


H016[1]


H017


H018

[1] Lever returns within 1/2" (13 mm) of door face.

[2] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.

[3] Not available in 32D or 32 finish

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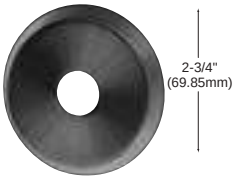
Studio Collection Trim

7300 Series Multi-Point Locks

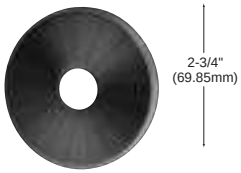
SARGENT
ASSA ABLOY

Roses

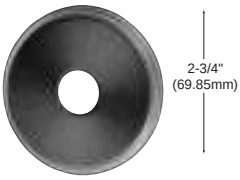
CO Rose



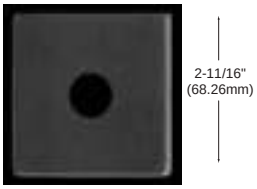
O Rose



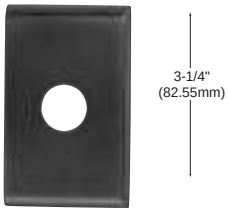
TO Rose



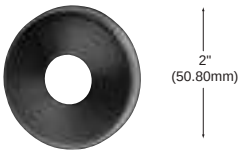
E2 Rose[1]



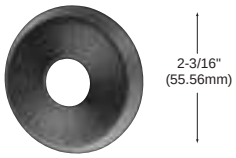
E4 Rose[1]



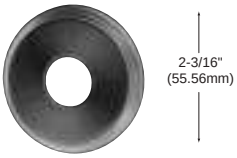
LN Rose



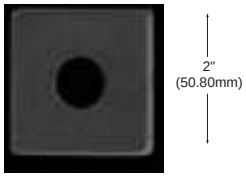
CR Rose



TR Rose



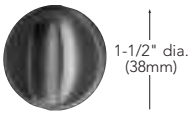
E3 Rose[1]



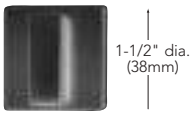
Thumbturns

Thumbturn backplate will match rose design chosen. See "Thumbturn Designs" on page 16 for more information.

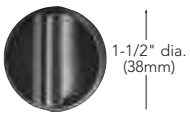
T1 Turn



T2 Turn



T3 Turn



Escutcheons

CE Escutcheon



LE1 Escutcheon



TE Escutcheon



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3, and E4 roses.

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Standard Levers

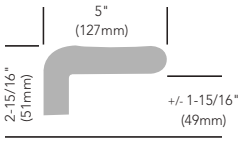
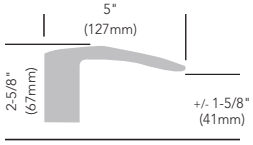
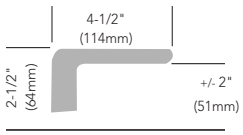
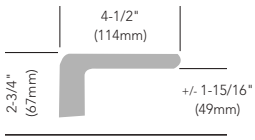
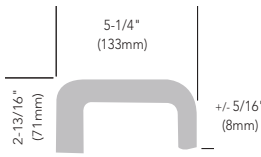
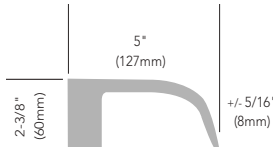
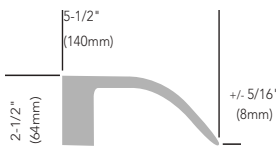
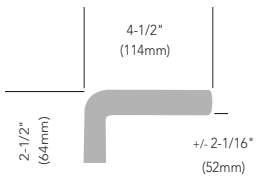
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Standard Levers

Features

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L, and P have lever returns within 1/2" (13 mm) or less of door face and meet California State Reference Fire Code
- All lever height (± 1/16") measurements represent total distance from door face

A (Handed)		
B		
E		
F		
J		
L		
P		
W		

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Standard Trim

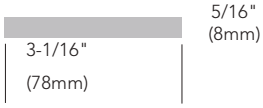
7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Standard Roses

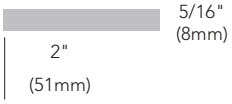
E Rose





LN Rose



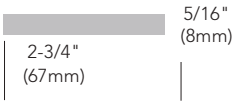


82-4023 Cap



O Rose





- 2" round
- Covers hole for levers and roses

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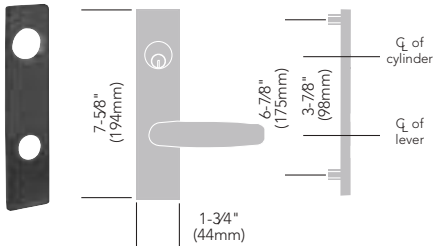
Escutcheon Designs

7300 Series Multi-Point Locks

SARGENT ASSA ABLOY

LE1/LE2 Escutcheon Design

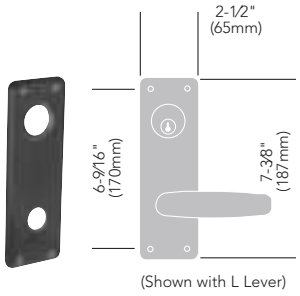
- Cast
- LE1- (2) exposed screws inside
- LE2- (2) concealed screws inside
- LE1 is available with standard & Studio levers
- LE2 is available with standard levers only



(Shown with L Lever)

WT Escutcheon Design

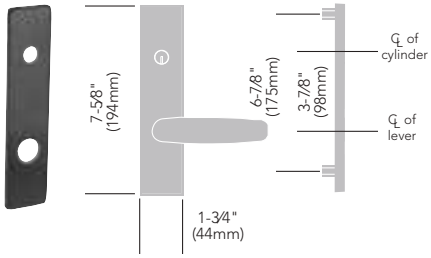
- Heavy wrought
- Surface mounted both inside and outside
- (4) exposed screws both inside and outside
- WT is available with standard levers only



(Shown with L Lever)

LE3/LE4 Escutcheon Design

- Concealed cylinder designed escutcheon, exposed barrel only
- Cast
- LE3- (2) exposed screws inside
- LE4- (2) concealed screws inside
- Only available with #41 size cylinders
  - limited keyway and key system offerings – see "Cylinders" on page 20
- If cylinder is ordered separately, specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders



(Shown with L Lever)

SARGuide™ (TL- Option)

SARGuide™, with integrated electroluminescent "EXIT" signage, addresses the increasing concern about safe public egress, particularly in low-visibility conditions. SARGuide™ can be wired for continuous operation or for operation only when an emergency alarm is activated.



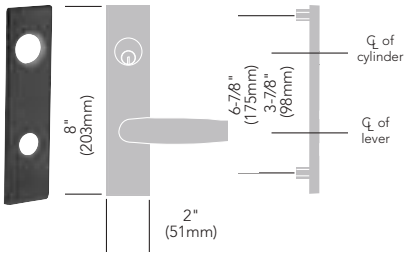
Features

- Heavy wrought
- Surface mounted both inside and outside
- (4) exposed screws both inside and outside
- SARGuide opening 2" x 3/4"
- TL-WT is available with standard levers only
- Dual voltage: 24VAC or VDC input with battery back-up
- SARGuide can be wired for continuous operation or activation by fire alarm system
- Illuminated utilizing the patented FLATLITE® electroluminescent lamp embedded within the mortise lock escutcheon
  - Green-blue electroluminescent light provides unsurpassed visibility in low light conditions
  - Intuitive operation. Integral "EXIT" signage guides users directly to the means of egress
  - Supplements building exit signs required by code
- Lamp replacement kit available
- Lamp can be used on internal trim (for external trim, consult factory)

Note: SARGuide is only available with TL- WT Escutcheon.

LW1 Escutcheon Design

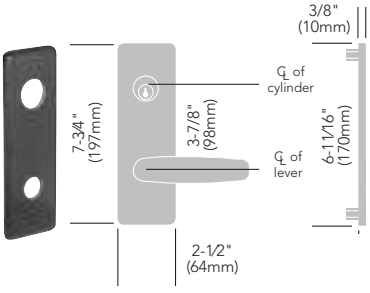
- Wrought
- (2) exposed screws inside
- LW1 is available with standard levers only



(Shown with L Lever)

LS Escutcheon Design

- Forged
- Security trim: cylinder is protected by the escutcheon
- (4) spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82- & F1-83-

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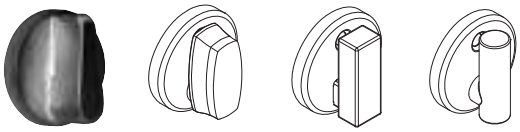
Thumbturn Designs

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

130KB Round Backplate

(Shown with Standard Turn)

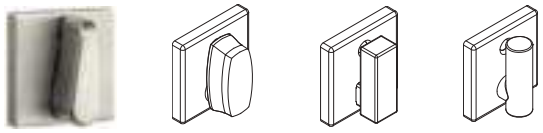


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Round backplate supplied standard with L, O, LN roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate

130KA Square Backplate

(Shown with Standard Turn)

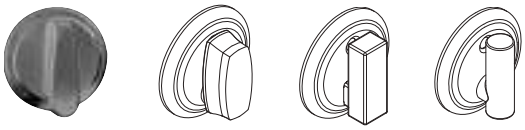


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Square backplate supplied standard with E, E2, E3, or E4 roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-1/2" (38mm) brass or stainless steel plate

130KT Traditional Backplate

(Shown with Standard Turn)

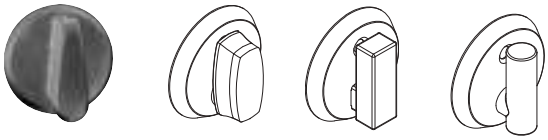


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate

130KC Contemporary Backplate

(Shown with Standard Turn)

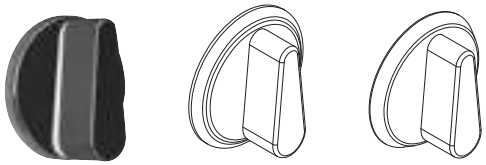


Standard *T1 Turn* *T2 Turn* *T3 Turn*

- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim
- Specify T1, T2, or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate

130LB Large Round Backplate

(Shown with Large ADA Turn)



Standard *130LT* *130LC*

- Available with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC - Contemporary backplate
- Meets ADA Requirements

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Emergency Releases, Indicators & ADA and Handicap Warnings

7300 Series Multi-Point Locks

SARGENT
ASSA ABLOY

Emergency Releases

184KB Emergency Release



- 1-1/2" (38mm) round brass, bronze, or stainless steel plate
- For 66 and 68 functions only

Studio Collection Emergency Release

- 184KC Emergency Release - Contemporary
- 184KT Emergency Release - Traditional

184KA Emergency Release (used with E rose)



- 1-1/2" (38mm) square brass, bronze, or stainless steel plate
- For 66 and 68 functions only

Emergency Key 14-0057



- Carbon steel
- For 66 and 68 functions only
- Must be ordered separately

Indicators

49- Option Occupancy Indicator with Emergency Release



185P

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/ White plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Emergency coin operated release standard
- Functions and Roses available:
  - 66, 68 functions with CR, E, L, LN, O & TR roses
- As retrofit, order 185P x finish

50- Option Secured Indicator Rose



- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard, field replaceable, red/white plate included
- Mounts on outside of door
- Not available with escutcheon trim
- Available for the following functions:
  - 24, 25 - with rose trim only
- Patent pending design
- For retrofit, order 185S x suffix x finish:
- Suffix Door Thickness
  -1 1-3/4" (44mm)

188 Dogging Indicator



- Dogs the top/bottom latches so the lock can function as a normal mortise lock.
- In an emergency, un-dog the rods and the top/ bottom latches will engage.
- Must be ordered with product, see pg 32 for how to order information.
- "Storm Shelter Mode" label is provided for FM7300 Series only
- Not available on BL7300 Series

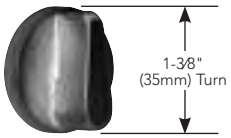
ADA and Handicap Warning

Lever Return to Door



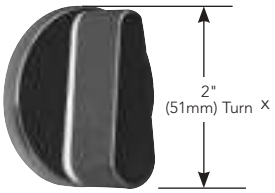
- Lever designs J, L, and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA compliance for national codes

Standard Thumbturn



- Meets ADA compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W, or 130KA x finish
- See "Thumbturn Designs" on page 16 for design

LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumbturn
- Order as: 130LB, 130LC, or 130LT finish
- See "Thumbturn Designs" on page 16 for design

Tactile Handicapped Warning



- Abrasive Coating: options 85-, 86- & 87-
- Milled 1/16" Grooves: options 75-, 76- & 77-
  - B, E, J, L, P, and W Levers - grooves on backside surface of lever
  - F Lever - grooves on top and bottom surface of lever

Keys

- Large key bows are available
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Finishes

7300 Series Multi-Point Locks

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Finishes

Standard Levers Finish	Description
03	Polished brass, clear coated
04	Satin brass, clear coated
09	Polished bronze, clear coated
10	Satin bronze, clear coated
10B	Oxidized bronze, oil rubbed
10BE	Medium bronze painted
10BL	Oxidized satin bronze, clear coated
14	Bright nickel plate
15 *	Satin nickel, clear coated
20D	Statuary dark bronze, clear coated
26	Polished chrome
26D *	Satin chrome
32	Polished stainless steel
32D *	Satin stainless steel

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: 26D (outside)/04 (inside)

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

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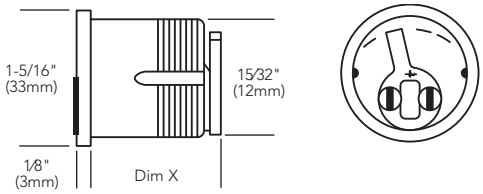
Cylinders

7300 Series Multi-Point Locks

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Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	46
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-3/4" (44mm)



DG1, DG2, DG3 – Degree Series



- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system operated with just one key
- See Degree Key System Catalog for available options

40 Series Type Cylinder



- Cylinder body: Solid brass
- Cap: Brass, bronze, or stainless steel
- All functions take a standard cam
- Standard cam 13-0664
- 16 & 92 inside cam -105
- 50 hotel cam -115 supplied standard with all hotel function cylinders

10- Option Signature Series



- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option - signature cylinder with large format interchangeable cores

11- Option XC Key System



- Patented system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- large format interchangeable core
- 11-73- small format interchangeable core

F1-82- and 82- Option KESO



- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option - Keso removable core
- 84- Option - Keso construction core cylinder

51- Option Old Style Removable Core



- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core



- For doors that do not require key locking during the construction period
- Operate with coin or flat screwdriver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core



- Allows immediate removal of the core.
- Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core



- Small Format Interchangeable Core
- SARGENT interchangeable core cylinders and masterkey systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B interchangeable cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-pin small format interchangeable cores-uncombinated
- 65-73-7P Option — 7-pin small format interchangeable cores-uncombinated
- 70- Option — small format interchangeable disposable core
- 72- Option — small format interchangeable construction core
- 11-72- construction core provided for use with 11-7300 cylinder housing
- 11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-pin small format interchangeable core, SARGENT 4A, 4B keyways
- 73-7P Option — 7-pin small format interchangeable core, SARGENT 4A, 4B keyways
- Control key used to remove core (provided separately)

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Cylinders & Rosettes

7300 Series Multi-Point Locks

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124 Series Mortise Cylinder Turn Lever



- Turn lever: Brass, bronze, or aluminum
- Cap: Brass, bronze, or stainless steel
- Must be ordered separately

78- Option Exposed Barrel



- Standard for use only with SARGENT escutcheon trims LE3, LE4
- Available 6-pin standard or 7-pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See "Cylinder Requirements & Cams" on page 22 for cam required
- Plug finishes: 4, 15 (similar to 26 finish)

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

IKA Rosette with sectional trim



- Used with mortise cylinders
- Furnished standard with the E, E2, E3, and E4 roses
- Brass, bronze, or stainless steel
- 1-1/2" (38 mm) Square, includes compression spring
- Projection from door:

1KA-1	5/16" (8mm) - standard
1KA-2	7/16" (11mm)
1KA-3	9/16" (14mm)
1KA-4	11/16" (16mm)

- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D

1KB Rosette with sectional trim



- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO, and TR roses
- Brass, bronze, or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D
- Projection from door:

1KB-1	5/16" (8mm) - standard
1KB-2	7/16" (11mm)
1KB-3	9/16" (14mm)

No. 97 Rosette



- Standard for cylinders ordered separately from hardware
- Brass, bronze, or stainless steel
- 1-11/16" (43mm)
- 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D

No. 90 Blocking Ring



- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze, or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D

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For complete cylinder information, see Cylinders & Components, Signature, Keso, Keso F1 or XC catalogs.

Cylinder Requirements & Cams

7300 Series Multi-Point Locks

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Sectional Trim (CO, CR, L, LN, O, TO, TR)

Cylinder Size	Door Thickness
	1-3/4"
41	1KB-1
42	1KB-2
43	1KB-3

Escutcheon Trim (CE, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness
	1-3/4"
41	Cylinder Only
42	1KB-1
43	1KB-1

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness
	1-3/4"
41	1KA-1
42	1KA-2
43	1KA-3

Escutcheon Trim (WT)

Cylinder Size	Door Thickness
	1-3/4"
41	Cylinder Only
42	97
43	97

Cylinder Cams

SARGENT Conventional Cylinders

- Standard

Std Cam
(13-0664) for all functions



See Cylinder catalogs for additional information

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required cam as a suffix: 63-44-105 cam
- For standard cam: no suffix is required

Std 6300 Cam for all functions



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Strikes & Fronts

7300 Series Multi-Point Locks

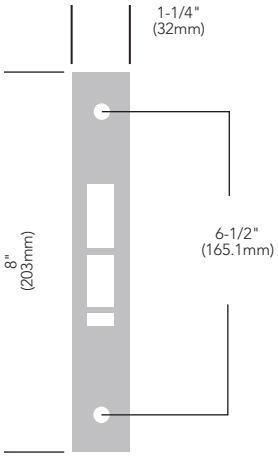
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Strike Options

Part Number	Description
825347	Top Strike Pack
825348	Bottom Strike Pack
825350	Center Strike Pack

Outside Front Plate

Standard 1-1/4" (32mm)	Functions
82-1814	14, 24, 25, 66, 68
82-1815	01, 18



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Mechanical Options

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Mechanical Options

Categories	How to Specify	Detailed Description
Add Strength	3-	Stainless steel hubs within the mortise lock
Security Fasteners	36-	6 Lobe head security screw (Torx® head, tamper-proof)
	37-	Spanner head tamper-proof security screw (not available with Studio levers)
Visual Indicators	49-	Visual Status Indicator or occupancy indicator with emergency release (not available with escutcheon trim; see "Indicators" on page 17 for details)
	50-	Secured indicator rose (available with rose trim only; see "Indicators" on page 17
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position
	LX	Latchbolt monitoring. (Please contact factory)
	TL-	SARGuide illuminated inside WT trim with the word "EXIT" illuminated (4-1/2" pocket depth required)
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio levers and the A lever)
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio levers and the A lever)
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio levers and the A lever)
	85-	Tactile Warning — Abrasive coating inside trim only
	86-	Tactile Warning — Abrasive coating outside trim only
	87-	Tactile Warning — Abrasive coating inside & outside trim
Finish Protection	CPC-	Clear powder coat (available for 32 & 32D finishes)
	* SG-	MicroShield® antimicrobial clear powder coat
Thumbturns (see page 15)	LB-	ADA extra large thumbturn; backplate matches rose design chosen
	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen
Trim	TR	Working trim only (Can be ordered in quantities of 1 or greater)

* Available on 15, 26D, and 32D finishes only

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Cylinder Options

7300 Series Multi-Point Locks

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Cylinder Options

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT conventional cylinders supplied standard	41-43,46
Degree Key System	DG1-	SARGENT degree key system level 1 (bump resistant with patented keys)	41-43,46
	DG1-21-	Degree level 1 construction masterkeying	41-43,46
	DG1-60-	Degree level 1 removable disposable construction core	41-43,46
	DG1-63-	Degree level 1 removable core	41-43,46
	DG1-64-	Degree level 1 removable construction keyed LFIC	41-43,46
	DG1-65-	Degree level 1 unassembled/uncombined core	41-43,46
	DG1-78-	Degree level 1 exposed plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-	SARGENT degree key system level 2 (geographically exclusive; bump and pick resistant)	41-43,46
	DG2-21-	Degree level 2 construction masterkeying	41-43,46
	DG2-60-	Degree level 2 removable disposable construction core	41-43,46
	DG2-63-	Degree level 2 removable core	41-43,46
	DG2-64-	Degree level 2 removable construction keyed LFIC	41-43,46
	DG2-65-	Degree level 2 unassembled/uncombined core	41-43,46
	DG3-	SARGENT degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-43,46
	DG3-21-	Degree level 3 construction masterkeying	41-43,46
	DG3-60-	Degree level 3 removable disposable construction core	41-43,46
	DG3-63-	Degree level 3 removable core	41-43,46
	DG3-64-	Degree level 3 removable construction keyed LFIC	41-43,46
Signature Key System	10-	SARGENT signature key system (not available with other key systems)	41-43,46
	10-21-	SARGENT signature construction key system (lost ball)	41-43,46
Signature Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT signature LFIC (removable) core cylinder	42, 43, 46
XC- Key System	11-	XC- key system (not available with other key systems, unless specified)	41-43,46
	11-21-	XC- construction key system (lost ball)	41-43,46
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- permanent LFIC (removable core), disposable plastic core provided	42, 43, 46
	11-63-	Hardware provided with XC- LFIC (removable core) cylinder (includes masterkeying, grand masterkeying)	42, 43, 46
	11-64-	Hardware provided with keyed construction core to accept XC- LFIC (removable), permanent core ordered separately	42, 43, 46
XC- Small Format Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-	Hardware to accept XC- SFIC (7-pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-	Hardware provided with XC- small format 7-pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-	Hardware provided to accept XC- uncombinated 7-pin SFIC (permanent) core — (packed loose)	43 & 46
Construction Key System	21-	SARGENT lost ball construction keying for conventional, XC, and Signature Series (N/A with 63- or 73-)	–
	22-	SARGENT construction split key system for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	–

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options (continued)

7300 Series Multi-Point Locks

SARGENT ASSA ABLOY

Cylinder Options (continued)

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	60-	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 46
Small Format Interchangeable Cores	70-	Hardware to accept 6- or 7-pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-	Hardware to accept 6- or 7-pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-	Hardware provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-	Hardware provided to accept uncombinated 6-pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-	Hardware provided to accept uncombinated 7-pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-	Hardware provided with small format 7-pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-173,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-73,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-73,76
	83-	Hardware provided with SARGENT Keso security removable core cylinder	172-173,176
	F1-83-	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-173,176
	84-	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-173,176
Additional Security	BR-	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	–
Less Cylinder	LC-	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	–
Schlage Keyways	SC-^	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-^	Schlage E keyway cylinder, 0 bitted	#41 Only

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-3/4"	#46	#76	#176

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How To Order

7300 Series Multi-Point Locks

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How to Order 7300 Series Multi-Point Locks

Options*	Series	Function	Roses/ Escutcheons	Trim	Aux Control	Finish	Hand	Door Height**
For all available options see pages 29-32	7300 FM7300 BL7300	Page 8-14	Pages 18, 21, 22	Levers — pages 16, 17, 19 FW Trim — page 20	188	Page 24	RHR	Pages 5, 6, 7

* Multiple options can be selected.
** Door height can be specified to 1/8" increments.

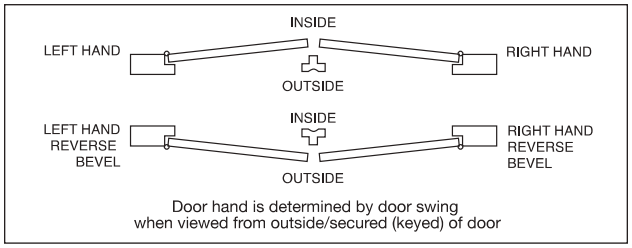
Ordering Examples

Series	Function	Roses/ Escutcheons	Trim	Aux Control	Finish	Hand	Door Height**
7300 Series Multi-Point Lock	7318	LN	L		26D	RHR	120"
FM7300 Series Multi-Point Lock	FM7324	LE1	MX	188	32D	LH	96"
BL7300 Series Multi-Point Lock	3-BL7339	CO	A		10BE	LHR	7'

* Multiple options can be selected.
** Door height can be specified to 1/8" increments.

Note: This product is part of a complete tornado assembly and must be used with a Ceco Door or Curries door. Concealed vertical rods, top & bottom latches, and the lockbody cassette will be factory installed. All other hardware components are shipped directly to the customer and must be installed by a factory trained installer.

Door Handing



*Multiple options available

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Architectural Specifications

7300 Series Multi-Point Locks

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7300 Series Fortified Multi-Point Deadlocking System

Three-Point Locking System

Three-Point deadbolt locks are engineered for use on inswing and outswing door applications. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The 7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
   a. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
      i. Lever torque to retract all bolts less than 28 in.lb.
      ii. Cycle tested to 800,000 cycles
   b. NFPA 80 and NFPA 101 life safety requirements
   c. UL10B or UL10C, 3-hour fire rated openings
2. Latchbolt construction:
   a. Center Bolt: one piece, 3/4" throw anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
   b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes as the balance of the lockset and latches specified:
   a. 21 roses available
   b. 61 levers available
   c. 13 finishes available
4. Locks shall come in both mechanical and electro-mechanical functions:
   a. 12 different functions available
5. Independent top and bottom bolt projection shall be field adjustable :
   a. From the center mortise pocket
   b. While the door is hung:
      i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
   a. IN series (IN120, 220)
   b. Access 600
   c. Access 700 (PAC1, PIP1, PWI1)
   d. SELP10

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Architectural Specifications

7300 Series Multi-Point Locks

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FM7300 Series Fortified Multi-Point Deadlocking System

Three-Point Locking System

Three-point deadbolt locks are engineered for use on inswing and outswing door applications at ICC 500 (2014), FEMA P-320 (2014) and FEMA P-361 (2015) storm shelter and safe room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The FM7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
   a. UL listed to FEMA P-361 (2015) for inswing and outswing pair and single doors
   b. UL listed to FEMA P-320 (2014) for inswing and outswing pair and single doors
   c. UL listed to ICC500 (2014) for tornado shelters for inswing and outswing pair and single doors
   d. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
      i. Lever torque to retract all bolts less than 28 in.lb.
      ii. Cycle tested to 800,000 cycles
   e. NFPA 80 and NFPA 101 life safety requirements
   f. UL10B or UL10C, 3-hour fire-rated openings
2. Latchbolt construction:
   a. Center Bolt: one piece, 3/4" throw, anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
   b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes specified in the balance of the lockset and latches:
   a. 21 roses available
   b. 61 levers available
   c. 13 finishes available
4. Locks shall come in both mechanical and electro-mechanical functions:
   a. 12 different functions available
5. Independent top and bottom bolt projection shall be field adjustable:
   a. From the center mortise pocket
   b. While the door is hung:
      i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
   a. IN Series (IN120, 220)
   b. Harmony (H1, H2)
   c. SE LP10 (M1)
   d. Passport 1000 (P1, P2, PG)
8. Must be available with rod-dogging indicator option:
   a. Operated by single-point latching for non-emergency or normal use of the space
   b. Holds rods in retracted state
   c. Day-to-day operations with mortise lock only
   d. Indicator to show status

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Architectural Specifications

7300 Series Multi-Point Locks

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BL7300 Series Fortified Multi-Point Deadlocking System

Three-Point Locking System

Three-point deadbolt locks are engineered for use on inswing and outswing door applications. Concealed, fortified steel construction secures the door to the frame at top, bottom, and center latching points. All three latching points shall be activated with one single motion when the lock is closed and retracted with one single motion for egress.

1. The BL7300 Series locking system is part of an integrated door, frame, and hardware assembly listed to the following standards:
   a. Blast 6.16 psi Category I / Hurricane 150 psf and 50 fps
   b. Blast 9.74 psi Category II / Hurricane 150 psf and 50 fps
   c. ANSI-BHMA listed to A156.37 Grade 1 for multi-point locks:
      i. Lever torque to retract all bolts less than 28 in.lb.
      ii. Cycle tested to 800,000 cycles
   d. UL10B or UL10C, 3-hour fire-rated openings
2. Latchbolt construction:
   a. Center Bolt: one piece, 3/4" throw, anti-friction stainless steel latch and one piece, 1" throw, hardened stainless steel deadbolt; 2-3/4" backset standard
   b. Top and Bottom Bolt: 3/4" x 3/4" square stainless steel latchbolt with 3/4" projection
3. Locks must be able to accommodate sectional rose and lever trim to match the design style and architectural finishes specified in the balance of the lockset and latches:
   a. 21 roses available
   b. 61 levers available
   c. 13 finishes available
4. Locks shall come in both mechanical and electro-mechanical functions:
   a. 12 different functions available
5. Independent top and bottom bolt projection shall be field adjustable:
   a. From the center mortise pocket
   b. While the door is hung:
      i. Does not require taking the door down to adjust
6. Bottom strike shall be offset and reversible to accommodate alignment issues due to rough opening tolerances
7. Must be available with access control options for higher or everyday use and traceability:
   a. IN Series (IN120, 220)
   b. Harmony (H1, H2)
   c. SE LP10 (M1)
   d. Passport 1000 (P1, P2, PG)

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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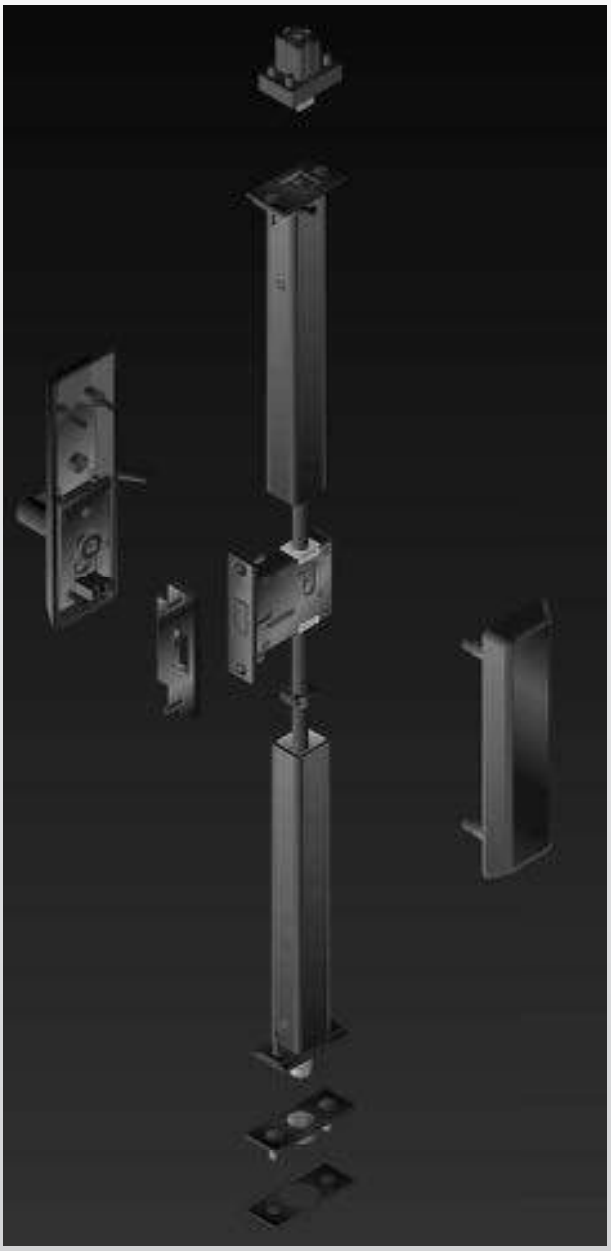
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Product Catalog

SARGENT
ASSA ABLOY

FM6100 Series

Multi-Point Lock for Shutters



Experience a safer and more open world

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SARGENT
ASSA ABLOY

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion®
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

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Introduction & Features

Multi-Point Auto Deadlocking Shutter System

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The SARGENT FM6100 Series is a multi-point auto deadlocking system developed to help protect lives while securing a community shelter or safe room entry. Sturdy heavy-duty steel components firmly secure the door or storm shutter within the frame – at top, bottom and center latch points – securing the opening during a windstorm event. The FM6100 is UL Classified to FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014). This device consists of concealed vertical rods with a top and bottom latching complemented by an automatically projecting deadbolt at the center of the shutter. The device is operated by dual mounted EC controls (similar to the 80 Series ET Controls).

The EC control operates by pushing the top bolt out of the door or storm shutter and into the frame while retracting the bottom bolt and deadbolt simultaneously. Once retracted the bolts are held in position as the storm shutter swings. As the locking system closes, the hold back feature engages the frame: all bolts project simultaneously. Once secured, the occupants are protected against threatening conditions.

EC controls are available with a variety of functions which include classroom, passage and passage x blank plate. All FM6100 devices are UL Listed to applicable 3 hour fire standards.

The FM6100 Series is a heavy-duty multi-point auto deadlocking system joining the SARGENT line of multi-point security devices including:

- Center & Top Latching Exit Devices which incorporate a mortise lock and top latching vertical rods

Innovation

- Unique and robust multi-point auto deadlocking system engineered to help save lives

FM6100 Series

- Fully integrated – FM6100 Series is part of a complete ASSA ABLOY severe windstorm solution requiring CECO DOOR and CURRIES StormPro® shutters, and McKINNEY® StormPro® hinges

- UL Classified to FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) for inswing and outswing shutters 2'8" w x 3'0" h minimum to 4'0" w x 6'8" h maximum.

Applications

- Perfect for community refuge areas – where people seek protection from strong wind events
- Community shelters and safe rooms, corporate campuses, K-12 schools, healthcare facilities and government facilities

Strength & Durability

- UL Listed 3-hour fire rating
- Extra-heavy duty steel components automatically secure the shutter to the frame
  - In multiple locations: top, bottom and center latch points
  - Fortifies opening to withstand extreme wind speeds and flying debris
- Heavy duty escutcheons standard
- Fortified with high tensile alloy Holo-Krome® fasteners
- Through-bolts on shutter for solid attachment

Features

All latching points activate automatically when shutter is closed and retract with one single motion upon exit

- Both inswing and outswing applications
- Solid cast levers

Three functions available:

- Classroom
- Passage
- Passage Lever x Blank Plate
- Seven year limited warranty

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Windstorm: UL Certifications

Multi-Point Auto Deadlocking Shutter System

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Windstorm Certifications: UL Listings

Listed below are certifications and standards met by the FM6100 Multi-Point Auto Deadlocking System.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only
FEMA Publication 361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only
ICC 500 -2014	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

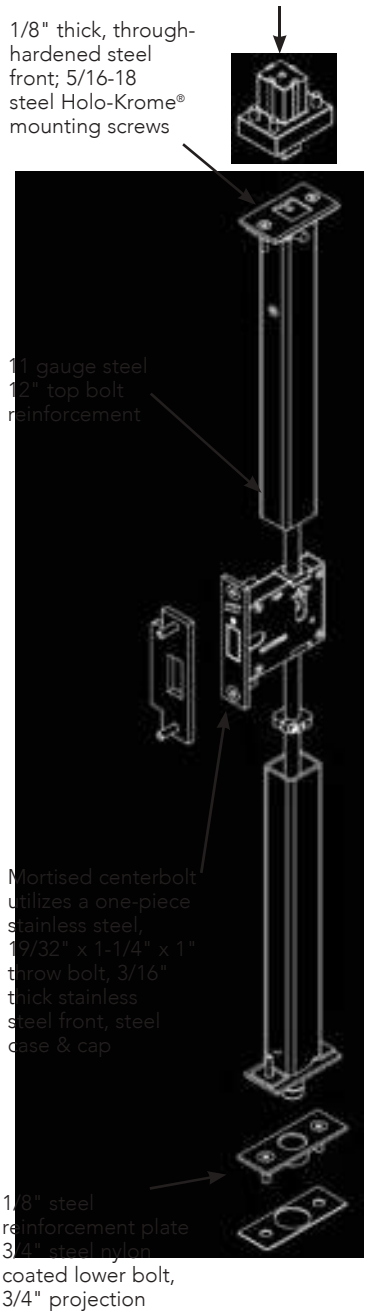
Note: Any retrofit or other field modification to a fire or windstorm rated opening can potentially impact the rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire or windstorm rated opening, or specifying and installing a new fire or windstorm rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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FM6100 Specifications

Multi-Point Auto Deadlocking Shutter System

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Features

- **FM6100 is part of a complete ASSA ABLOY severe windstorm solution requiring CECO DOOR StormPro® 361, CURRIES StormPro® 361, and McKINNEY® hinges**
- Meets FEMA P-320 (2014), FEMA P-361 (2015) and ICC 500 (2014) for inswing and outswing shutters
- Concealed rods offer additional security
- All functions determined by outside trim

Specifications

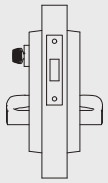
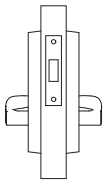
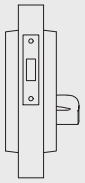
For Shutters	1-3/4" thick Shutter only; Fully integrated – FM6100 Series is part of a complete ASSA ABLOY windstorm solution requiring CECO DOOR StormPro® 361, CURRIES StormPro® 361, and McKINNEY® hinges
Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RH or LH, see chart below
Top Bolt	Hardened steel with 7/8" projection in a 5/8" stainless steel housing projecting from the frame
Bottom Bolt	Steel 3/4" diameter with 3/4" projection with 1/8" steel plate
Center Bolt	One-piece stainless steel, 19/32" x 1-1/4" x 1" throw
Lock Front	1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece
Center Bolt Strike	1/4" thick stainless steel
Backset	2-3/4" standard
Shutters Thickness	1-3/4" standard
Sizes	Single shutters - Minimum 2'6" x 3'0" - Maximum 4'0" x 6'8" Pair of Shutters - Minimum 5'0" x 4'0" - Maximum 8'0" x 6'8"
Shutter Swing	Inswing or outswing
Trim	EC trim with Standard, Coastal Series or Studio Collection levers
Functions	- Classroom - Passage - Passage Lever x Blank Plate (standard)
Cylinder	#41 Mortise Cylinder

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Functions and Descriptions

Multi-Point Auto Deadlocking Shutter System

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	Available Functions and Designations				
How to Order	**Outside EC Function**			**Inside EC Function**	
Product Designation	**SARGENT Function Numbers**	**Outside Function Description**		**SARGENT Function Numbers**	**Inside Function Description**
FM6113	13	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side, unless outside lever is locked by key outside • Inside lever always free		15	Classroom
FM6115	15	• Multi-point auto deadlocking system • Multi-point latch retraction by lever either side • Both levers always free		15	Passage Only (No cylinder)
FM6101	01	• Multi-point auto deadlocking system • Multi-point latch retraction by inside lever • Lever on one side, blank plate on the other • Lever always free • For inswing and outswing storm shutters		15	Inside Passage

Note: Product designation is determined by function of outside trim. The inside trim is always 15 function, which allows for free egress. Function combinations not shown may be available as a special. Consult factory.

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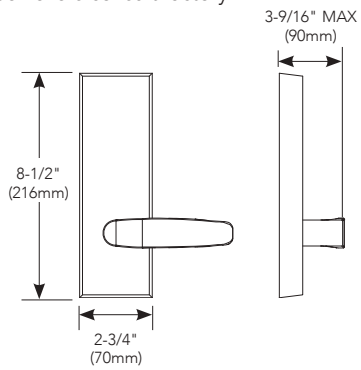
EC Trim, Finishes, Standard & Coastal Series Levers

Multi-Point Auto Deadlocking Shutter System

SARGENT
ASSA ABLOY

EC Lever Controls

The trim for the FM6100 Series is the EC Control which mounts on each side of the shutter. The outside EC Control determines the function of the entire device. The inside EC Control provides a passage function. Easy operating lever handle allows convenient one hand operation. Decorative Coastal Series Levers and Studio Collection levers are available. All levers are brass. For stainless steel levers consult factory.





SARGENT Finishes	Description
03	Bright brass, clear coated
04	Satin brass, clear coated
09	Bright bronze, clear coated
10	Satin bronze, clear coated
10B	Dark oxidized satin bronze, oil rubbed
10BE	Dark oxidized satin bronze equivalent
10BL	Dark oxidized satin bronze, clear coated
14	Bright Nickel, clear coated
15	Satin Nickel, clear coated
20D	Statuary bronze dark powder coated
26	Bright chromium plated
26D	Satin chromium plated

Standard and Coastal Series Levers

A Lever Design

- Lever: A-Solid forged or cast
- Must specify hand when ordering



B Lever Design

- Lever: B-Solid forged or cast



E Lever Design

- Lever: E-Solid forged or cast



F Lever Design

- Lever: F-Solid forged or cast



J Lever Design

- Lever: J-Solid bar stock



L Lever Design

- Lever: L-Solid forged or cast



P Lever Design

- Lever: P-Solid forged or cast



W Lever Design

- Lever: W-Solid bar stock



Coastal Series™ Levers

- Solid cast brass

G - Gulfport™

- Must specify hand when ordering



R - Rockport™



S - Sanibel™

- Must specify hand when ordering



Y - Yarmouth™

- Must specify hand when ordering



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Studio Collection Levers

Multi-Point Auto Deadlocking Shutter System

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Aventura Series

Lever	Design	Handed
MB		–
ME		–
MF		–
MG		–
MI		–
MW[1]		–
NF		–

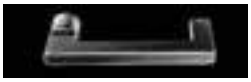
Odeon Series (Handed Levers)

MN[2]		Yes
MH[2]		Yes
MK[2]		Yes
MS[2]		Yes
MU[2]		Yes
MV[2]		Yes
NS[1,2]		Yes
NU[1,2]		Yes
MX[1,2]		Yes

Notting Hill Series

Lever	Design	Handed
MA[2]		No
MQ[2]		Yes
MT[2]		Yes
MM[2]		Yes
MY[1,2]		Yes
MO[2]		No
MZ[1,2]		Yes

Centro Series

MC[2]		-
MD		-
MJ		-
MP[2]		-
ND[1]		-
NJ[1]		-

Features

- Levers with curves and contours provide a comfortable grip
- All levers meet ADA compliance for national codes
- All levers – solid brass (for stainless steel consult factory)

1. Lever returns within 1/2" (13mm) of door face
2. Not available in 32D or 32 finish

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Studio Collection Levers

Multi-Point Auto Deadlocking Shutter System

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Gramercy Series[3]		
Lever	**Design**	**Handed**
RCM		–
RAL		–
REM		–
RAM		–
RAS		–
RAG		–
RGM		–
Wooster Square		
H001		–
H002[1]		–
H003		–
H004		–
H005[1]		–
H006[1]		–

Grant Park		
Lever	**Design**	**Handed**
H007		–
H008		Yes
H009		–
H010		–
H011		–
Berlin		
H015		–
H016[1]		-
H017		–
H018		–

[1] Lever returns within 1/2" (13mm) of door face.
[2] Levers are not available with Simpli™ Roseless trim.
[3] Gramercy levers are customized. See page 10 for ordering information.

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Studio Collection Levers: Finishes

Multi-Point Auto Deadlocking Shutter System

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Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

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Mechanical & Cylinder Options

SARGENT ASSA ABLOY

Multi-Point Auto Deadlocking Shutter System

Mechanical Options:

Features	Option	Description
Security Fasteners	**36-**	Six lobe security head screws
Tactile Warning Options	**75-**	Tactile Warning -Milled Inside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	76-	Tactile Warning -Milled Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	77-	Tactile Warning -Milled Inside & Outside Lever (Not available with Studio & Coastal Series Levers and the A Lever)
	85-	Tactile Warning -Abrasive Coating on Inside Lever
	86-	Tactile Warning -Abrasive Coating on Outside Lever
	87-	Tactile Warning -Abrasive Coating on Outside Lever & Inside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26 & 26D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)

Cylinder Options:

Cylinder Type	Option	Description
Conventional Cylinder	**Std**	SARGENT Conventional Cylinders
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (Bump and pick resistant)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (Not Available with other Key Systems, Unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

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Cylinder Options

Multi-Point Auto Deadlocking Shutter System

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Cylinder Options:

Cylinder Type	Option	Description
XC- Large Format Interchangeable Core + (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XCLFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Cores +	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) (Permanent Core ordered separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Hardware to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose for field keying)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso F1- & Keso	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

Note: For V-10 Cylinders and information contact ASSA
Note: When tying into existing key systems contact Key Records for compatibility

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FM6100: How to Order & Architectural Specification

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Multi-Point Auto Deadlocking Shutter System

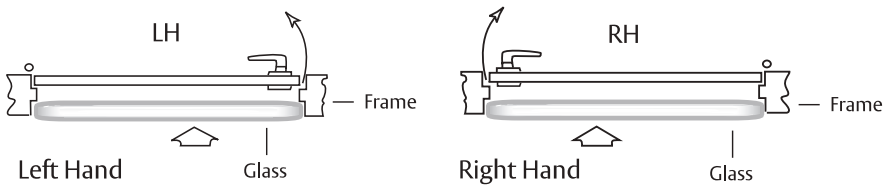
How to Order: FM6100 Multi-Point Auto Deadlocking Storm Shutters

10-	FM61	13	EC	MJ	RH	26D	**54"
Options	**Series**	***Function Designation**	**Escutcheon**	**Lever**	**Hand**	**Finish**	**Opening Height**
Page 9 & 10	FM61	13 15 01	EC Control Standard	Page 7 & 8	RH LH	Page 7	

Note: For 1-3/4" thick doors only

* Function designation is determined by function of outside trim
** Shutter deadlocking systems are available in two height ranges 3'0" - 4'6" and 4'7" - 6'8"; SARGENT will supply the correct range based on opening height specified

Hand



FM6100 Series Storm Shutter Multi-Point Latching System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing and outswing shutter applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the shutter to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single lever activation motion.

1. The Multi-Point latching system device is part of an integrated shutter, frame and hardware assembly UL Classified to FEMA P320 (2014), FEMA P361 (2015) and ICC 500 (2014) for inswing and outswing applications.
2. Latchbolt Construction:
   a. Mortised Center bolt: Single piece, 13 gage chrome plated steel lock case with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2-3/4" backset standard with 1/4" stainless steel center bolt strike.
   b. Top Latch: Through-hardened steel latchbolt with 7/8" projection,1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 5/16-18 Holo-Krome® fasteners.
   c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with 1/4-20 Holo-Krome fasteners.
3. Provide devices with heavy-duty escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.
4. Storm shutters are furnished as a complete door, frame, and hardware assembly for openings measuring from 2'8" x 3'0' minimum to 4'0" x 6'8" maximum.
5. Three-Point locking system devices shall have a seven-year limited warranty.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

281 Series

Powerglide®
Cast Iron Door Closer



Experience a safer
and more open world

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281 Series Powerglide®

SARGENT
ASSA ABLOY

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The 281 Powerglide® line of surface door closers has been engineered to meet the demands of architects and building owners. The 281 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

Primary Closer Arm Identification Letters

O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" – 5"
ZA	Extra Deep Reveal Arm 5-1/8" – 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

Underwriters' Laboratories Listing

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:
"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

c UL us LISTED

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

On The Cover

- SARGENT 281 Door Closer with US26 plated O arm and metal cover

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General Information

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All Weather Fluid

All 281 Series closers are equipped with fluid that allows the units to operate effectively in extreme temperatures without readjustment.

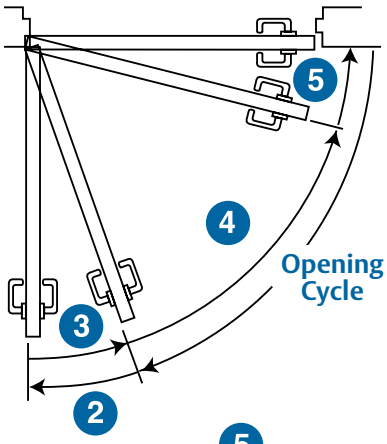
Finishes

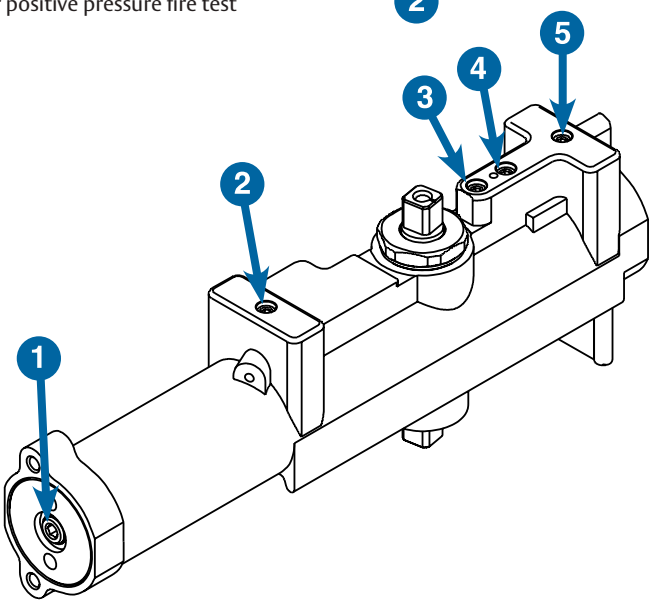
Powder coated and plated finishes are available. See How to Order page 19.

BHMA CERTIFIED ANSI/BHMA Specifications

- The 281 Series door closers are certified to the ANSI/BHMA A156.4 Grade 1 requirements
- UL 10C listed for positive pressure fire test

Door Closer Cycle





1 Closer Spring Adjustment (not shown)

- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck Valve

- At approximately 70° of the open cycle, the backcheck valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the backcheck
- **Note**: A Positive stop is required, Backcheck cannot be used as a stop

3 Delayed Action Valve (Optional)

- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial for ADA applications and when moving carts or objects through door opening

4 Closing Speed Valve

- Controls how fast the door closes to approximately 8" from the closed position

5 Latching Speed Valve

- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching

How to Select the Proper Closer

Things to Consider

1. Size and Weight of Door
The 281 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights. **Consult factory if door weight exceeds 250 lbs.**

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, corner bracket or parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

ANSI Standards

ARM	TYPE	ARM	TYPE
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

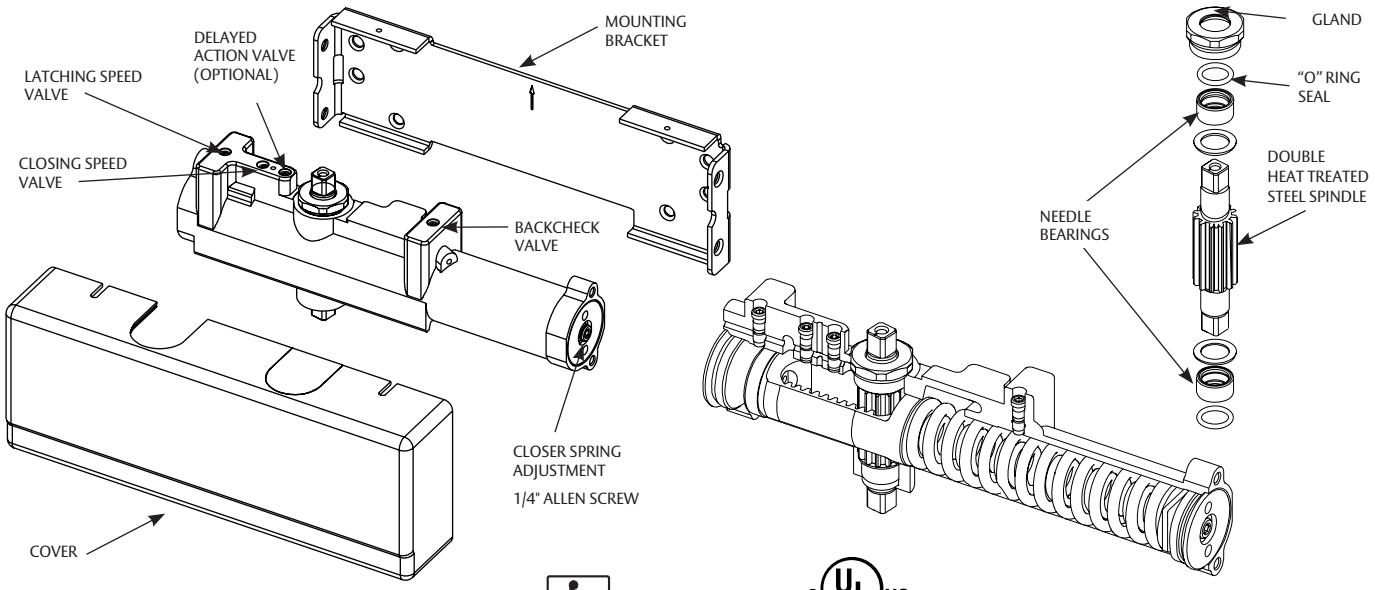
All are certified ANSI types including options PT4 A, B, D, E, F, G, H

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Suggested Architect's Specifications

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The 281 Series complies with ADA for reduced open forces of 5 lbs. for interior and 8 lbs. for exterior doors.

BHMA CERTIFIED

c UL us LISTED

Features

- Exceeds 25 million cycles
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL / cUL Listed for use on fire rated doors
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 281 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications
- 281 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, ABS covers, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse
- Heavy duty mounting bracket for easy installation of full size iron closer
- Retrofits existing SARGENT 250 and 1250 Series Closer installations
- The Advanced Backcheck (ABC) option begins to slow the door down at approximately 15° sooner than standard backcheck in the open cycle. The (ABC) option is used when the door needs to slow down earlier than the standard back check of 70°

Heavy Duty Construction

- Heat treated full rack and pinion for high strength & wear resistance
- Heavy duty one piece cast iron body provides superior strength and wear resistance
- 1/2" arm engagement over a 7/16" square spindle ensures a wear-resistant tight joint

Fasteners

- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors without through bolts

Full Complement of Arm Types

- Standard and parallel arms
- Push and pull track arms
- Security track
- Security parallel arm
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, 250, 1250 and 351 Series

Valves

- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle. Not to be used in lieu of a door stop
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

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Features and Benefits

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Architectural Specifications

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
6. The one piece closer body shall be of close grained porous free cast iron with a minimum wall thickness of 5/32" (4mm).
7. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
8. All arms shall be finely finished with heavy duty forged steel main arm.
9. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
10. All closers shall be suitable for standard, corner bracket, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
11. Closer covers shall be of high impact plastic material of flame retardant grade, secured by machine screws.
12. Projection of closer body from door shall not exceed 2-3/16" (56mm).
13. Closers shall be non-handed to meet a variety of door conditions and design requirements.
14. The spindle shaft shall be sealed hydraulically with an “O” ring.
15. Specify desired options such as: Metal Cover, Security Package, (SRI) Special Rust Inhibitor Process (ABC) Advanced Back Check, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.
16. Closers should have two pressure relief valves (opening and closing cycles).
17. All closers to have a 30-year limited warranty.
18. Closers should comply with UL 10C Positive Pressure Fire Test.

The 281 door closer is designed to meet the opening force requirements established by the Americans with Disabilities Act defining 5 lbs. of opening force for interior and 8 lbs. for exterior doors. A special spring design affording easier access and allowing exterior door control is used. Where excessive draft and pressure conditions exist or when extra heavy doors are used, the spring should be adjusted for a stronger setting. Meeting ADA requirements can be achieved at all applications shown above with simple spring adjustment. Various field conditions (drafts) exist that make the use of ADA adjustments ineffective.

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Standard Applications

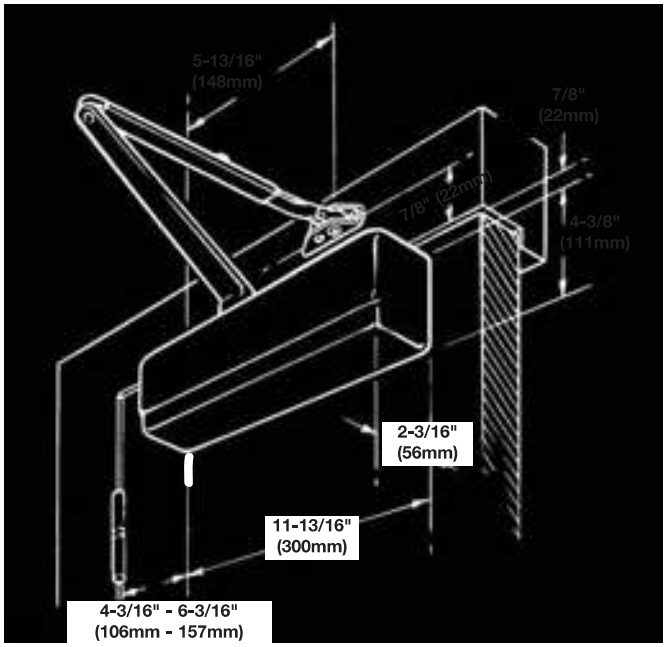
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The standard application of the 281 door closer is the most common providing high degree of door control and range of power adjustment. The closer is mounted on the pull side of the door with the arm mounted on the face of the frame. When the door opens, the arm passes over the top of the door.

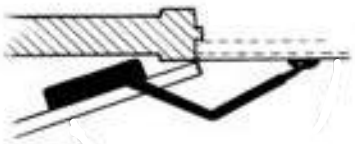
281-O Standard Application



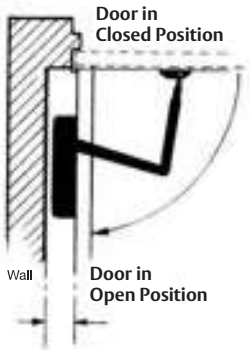
281 Standard Application for:

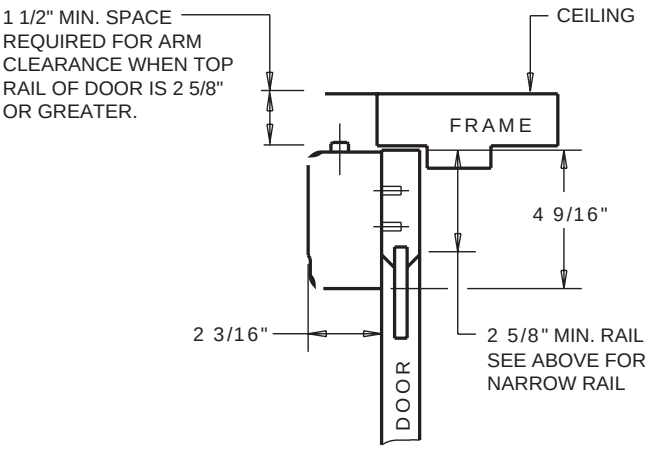
- Interior Doors Opening In or Out
- Exterior Doors Opening In
- 1-1/2" minimum frame face with a 2-5/8" door top rail or greater

Note: Base on the application & arm; verify door & frame requirements using the appropriate template



Cover Projection normally limits door opening to 160°





Regular Duty Standard Arms

For use in moderate duty institutional applications

- Two piece sliding arm provides flexibility and ease of installation
- Double jointed arms allow flexibility in vertical mounting position
- Friction hold open arm available
- Mortised feet available for special frame applications

Heavy Duty Standard Arms

For use in abusive or high use installations

- Solid forged steel arms provide strength
- Friction hold open arm available
- Oil bronze bearings provide a high degree of wear resistance
- 2 piece rigid arms for ease of installation

Consult factory if door weight exceeds 250 lbs.

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Arms for Standard Applications

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Regular Duty Standard Arms

O - Standard Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack

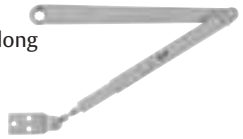
H - Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjustable
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H x finish for arm only
Includes: 63-3070 - Main arm and swivel assembly
61-2303 - Foot assembly
63-3481 - Screw pack

O8 - Mortise Foot Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

Order as 25-O8 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2273 - Foot assembly
63-3481 & 63-2391 - Screw packs

H8 - Mortise Foot Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only
Includes: 63-3070 - Main arm & link assembly
63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2290RH - Foot assembly
63-3481 & 63-2391- Screw packs

OLC - Standard Arm for Low Ceiling



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Must be used when the distance between the top of door to ceiling is between 1 -1/4" – 1 -1/2"
- Permits 120° door opening with standard mounting

Order as 25-OLC x finish for arm only
Includes: 63-2549 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack

UH Package



- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs
63-3481 & 63-2391

125-PH9



UO Package



- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications

Screw packs
63-3481 & 63-2391

125-P9



Heavy Duty Standard Arms

O10 Heavy Duty Standard Arm



- Forged Steel Arm
- Non-handed
- Permits 110° door opening with standard mounting
- Permits 180° door opening with alternate mounting

Order as 25-O10 x finish for arm only
Includes: 63-0792 - Main arm
63-4309 - Foot assembly
63-3481 - Screw pack

H10 - Hold Open Heavy Duty Standard Arm



- Forged Steel Arm
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H10 x finish for arm only
Includes: 63-0792 - Main arm
63-4308 - Foot assembly
63-3481 - Screw pack

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Top Jamb Applications

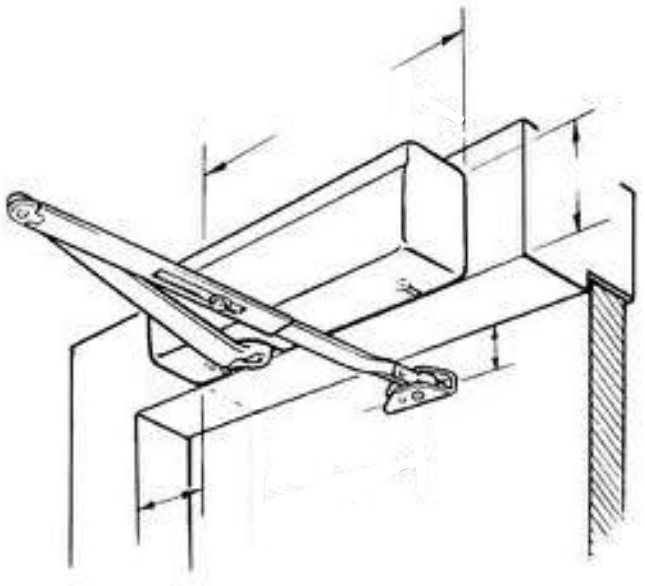
281 Series Powerglide®

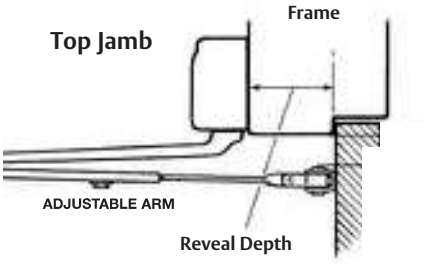
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Top Jamb Application – The 281 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather. The Frame Face must be at least 4-3/8". With the 281-B mounting plate, the rail must be at least 1-7/16" min.

281-O Top Jamb Mounting Position





281 Typical Reveal Top Jamb Applications

For reveals up to 2" (51mm) maximum

- O Arm - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80°–180°

281 Deep Reveal Top Jamb Applications

For reveals from 2-1/8" (54mm) to 5" (127mm)

- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80°–140°

281 Extra Deep Reveal Top Jamb Applications

For reveals from 5-1/8" (130mm) to 8" (230mm)

- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80°–130°

Consult factory if door weight exceeds 250 lbs.

Minimum Frame Face Required

- 4-3/8" minimum frame face for both single and double rabbeted frames
- 1-7/16" minimum frame face with 281-B Mounting Plate

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Minimum Door Top Rail Required to Mount Closer Foot

- 1-7/8" (48mm) minimum
- Rail height used will vary depending on type and make of auxiliary holder

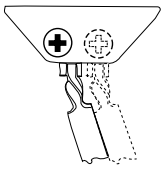
Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Arm Leverage Adjustment

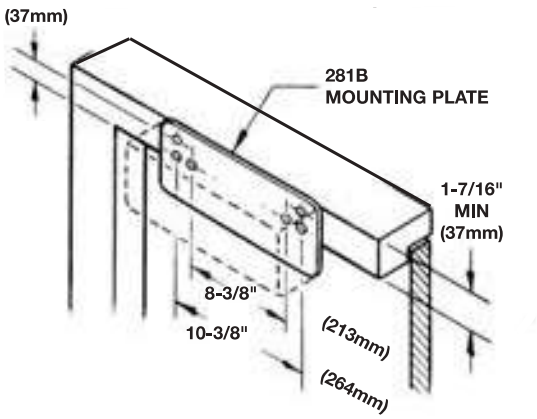
Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



Top Jamb Application for Low Ceilings using 281-B Mounting Plate



- Required for low ceiling condition and narrow face frames
- 1-7/16" minimum frame face for 281-B Mounting Plate
- Available w/powder coat or plated finish to match cover
- Non-handed
- Plate mounting screws included
- Order as 281-B x finish



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Arms for Top Jamb Applications

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Narrow Reveal Arms

O - Standard Arm



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening

Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack

H - Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

Order as 25-H x finish for arm only
Includes: 63-3070 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

Deep Reveal Arms

OZ - Standard Arm for Deep Reveals



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) – 5" (127mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZ x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2217 - Foot assembly
63-3481 - Screw pack

HZ - Hold Open Arm for Deep Reveals



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) – 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

Order as 25-HZ x finish for arm only
Includes: 63-2230 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

Extra Deep Reveal Arms

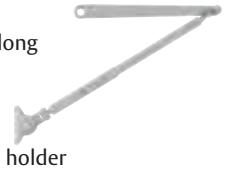
OZA - Standard Arm for Extra Deep Reveal



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) – 8" (203mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZA x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2218 - Foot assembly
63-3481 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) – 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

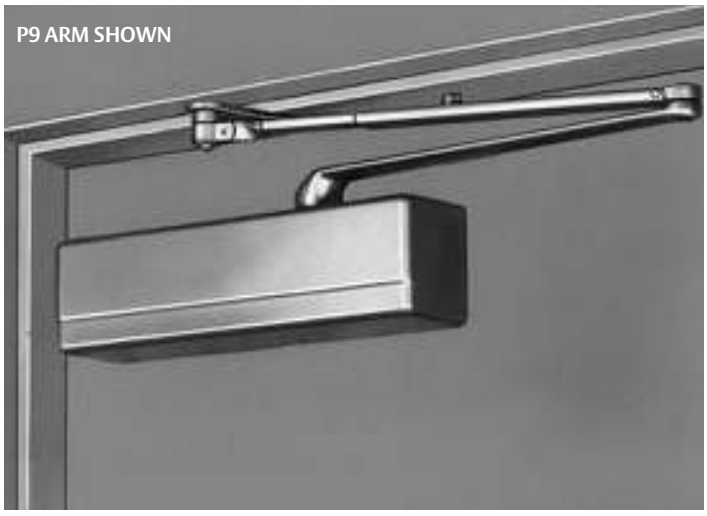
Order as 25-HZA x finish for arm only
Includes: 63-2231 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

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Parallel Arm Applications

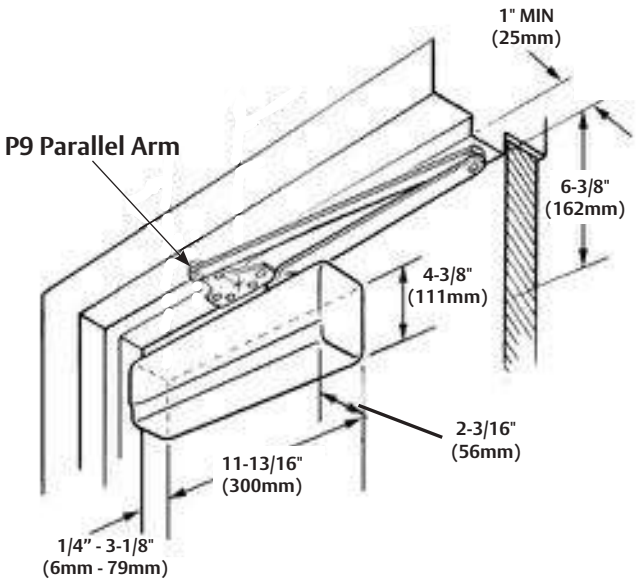
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Parallel Arm Application – The 281 closer is mounted on the push side of the door. As the door opens, the closer swings with the door and gives full headroom in the door opening. Other advantages are that the closer arm does not project into the room, the frame can be quite narrow and the door can be swung open much further than in Top Jamb Applications. However, the closing force is not as great.

281-P9 Regular Parallel Arm Application



281-P9 Parallel Application

- 4-3/8" minimum door top rail with a minimum of 6-7/8" unobstructed door top rail

281-P10 Parallel Application

- 5" minimum door top rail with a minimum of 6-3/4" unobstructed door top rail
- 3" minimum soffit, when less than 3" use a 125V bracket

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Heavy Duty Parallel Arms For use in high traffic and abusive environments

- Forged steel arm and cast iron foot bracket for strength and durability
- Oiled bronze bearings for superior wear resistance
- 2 piece rigid arms for ease of installation
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Dead stop and compression stop arms available
- Security non-hold open arms available

Non Hold Open Arms

- Two mounting positions for 120° and 180° maximum door openings

Stop & Stop/Hold Open Arms

- 6 mounting positions allow stop from 85°–110° with PS, PSH, CPS & CPSK arms

Regular Duty Parallel Arms

- For use in moderate duty institutional applications
- Double jointed arm provides flexibility in the vertical mounting position of closer
- Flush frame arms available for use with Auxiliary Holders & Stops
- Flush frame, friction hold open arms available
- Friction hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Use offset bracket arms with auxiliary holders and stops

Standard Mounting Position

- 120° Maximum door opening
- Holding range of friction hold open arms: 75° – 110°

Alternate Mounting Position

- Maximum door opening: 180°
- Holding range of friction hold open arms: 85° – 170°

Consult factory if door weight exceeds 250 lbs.

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Heavy Duty Parallel Arms

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P10 - Heavy Duty Parallel Arm



- Forged Steel Arm, 11-1/4" (286mm) long
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

Order as 25-P10 x finish for arm only
Includes: 63-0641 - Main arm
63-3727 - Arm and bracket assembly
63-3481 & 63-2392 - Screw packs

PH10 - Heavy Duty Friction Hold Open Parallel Arm



- Equipped with adjustable friction holder
- Adjustable hold open from 75° – 180°
- Forged steel arm, 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

Order as 25-PH10 x finish for arm only
Includes: 63-0641 - Main arm
63-3839 - Left hand arm and bracket assembly
63-3840 - Right hand arm and bracket assembly
63-3481 & 63-2392 - Screw packs

PD10 - Heavy Duty Parallel Drop Arm



- Arm to be used with surface overhead applied stops
- Forged Steel Arm, 11-1/4" (286mm) long
- Lowers closer 1-1/4" on door
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

Order as 25-PD10 x finish for arm only
Includes: 63-0641 - Main arm
63-4317 - Arm and bracket assembly
63-3481 & 63-2392 - Screw packs

Heavy Duty Hold Open and Stop Arms

Common features:

- Forged steel arms
- Non-handed
- Easy installed and adjusted
- Use positive stop hold open arms for doors subjected to repetitive hold open

PS - Heavy Duty Parallel Arm with Positive Stop



- Provides built in stop from 85° – 110°

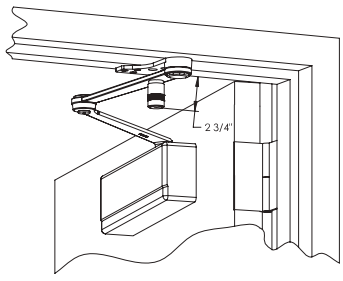
Order as 25-PS x finish for arm only
Includes: 63-0641 - Main arm
63-3837 - Arm and bracket assembly
63-3481 & 63-2392, 63-2396 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop



- Provides built in compression stop from 85° – 105°
- Dead stop within 3°

Order as 25-CPS x finish for arm only
Includes: 63-0641 - Main arm
63-3830 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3481 & 63-2398 - Screw packs



The PSH and CPSH arms project 2-3/4" below the head stop

PSH - Heavy Duty Parallel Hold Open Arm with Positive Stop



- Adjustable hold open tension
- Hold open function may be disengaged
- Permits 85° – 110° door opening

Order as 25-PSH x finish for arm only
Includes: 63-0641 - Main arm
63-3833 - Arm and bracket assembly
63-3481 & 63-2392, 63-2396 - Screw packs

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop



- Adjustable hold open tension
- Hold open function may be disengaged
- Provides built in compression stop and holder mechanism from 85° – 105°
- Dead stop within 3°

Order as 25-CPSH x finish for arm only
Includes: 63-0641 - Main arm
63-3836 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3481 & 63-3487 - Screw packs

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Regular Duty Parallel Arms

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Hold Open Arms

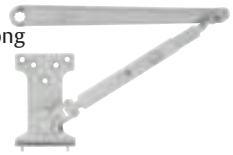
PH4 - Flush Frame, Friction Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

Order as 25-PH4 x finish for arm only
Includes: 63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0050 - Foot bracket
63-3481 & 63-2391 - Screw packs

PH9 - Friction Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed

Order as 25-PH9 x finish for arm only
Includes: 63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
63-3481 & 63-2391 - Screw packs

Offset Bracket Arms

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed

Order as 25-P3 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2270 - Foot assembly
63-3481 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed

Order as 25-P3A x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2274 - Foot assembly
63-3481 & 63-2391- Screw packs

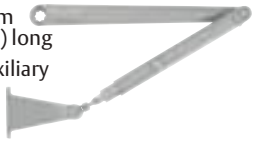
P4 - 1" Offset Flush Frame Arm for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- Foot bracket is attached to frame or transom face
- Foot bracket is offset 1" more than P9, allowing door closer to be lowered on door face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed

Order as 25-P4 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2295 - Foot assembly
63-3481 & 63-2391 - Screw pack

P4A - 1-3/4" Offset Flush Frame Arm for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed

Order as 25-P4A x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2272 - Foot assembly
63-3481 & 63-2391 - Screw packs

P9 - Standard Parallel Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed

Order as 25-P9 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-3405 - Foot assembly
63-3481 & 63-2391 - Screw packs

UO Package



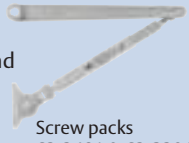
- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

Screw packs 63-3481 & 63-2391



125-P9

UH Package



- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs 63-3481 & 63-2391



125-PH9

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Accessories For Parallel Applications

281 Series Powerglide®

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Heavy Duty Parallel Arm Accessories

581-2 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws
- Use P/N 64-0157 to order blade stop only

125-V/125-VF Brackets



125-V



125-VF

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames



Regular Duty Parallel Accessories

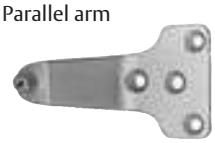
125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm



125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm



125-P3A Arm Conversion Unit

- Converts O or P9 arm to P3A Parallel arm



125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm



125-P4 Conversion Unit

- Converts O or P9 arm to P4A arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A arm



581-1 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

Miscellaneous Accessories

281-J Cover Plate

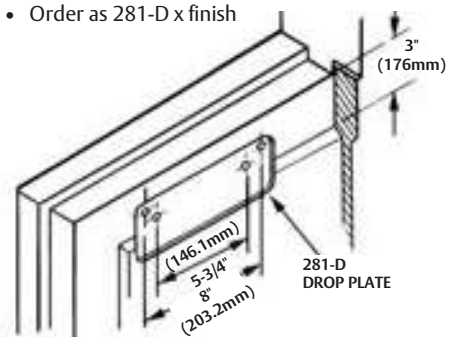


- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel
- Use 281-J-2 plate when retrofitting 250/251 Series door closer

281-D Drop Plate



- Required for parallel arm applications when top rails are less then 5 3/4"
- Requires 3" (76mm) minimum top rail
- Available with powder coat or plated finish to match closer
- Non-handed – Plate mounting screws included
- Order as 281-D x finish



281-W Corner Bracket

- Fastens securely to both the head and jamb
- Malleable iron, painted to match closer finish



- Non-handed
- Requires 1-1/4" (32mm) minimum wide stop
- Order as 281-W x finish

Covers

- Available in plastic (standard), ABS, Metal, or Lead Lined
- Lead Lined covers are available as a special. Consult factory for pricing

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Track Type Applications

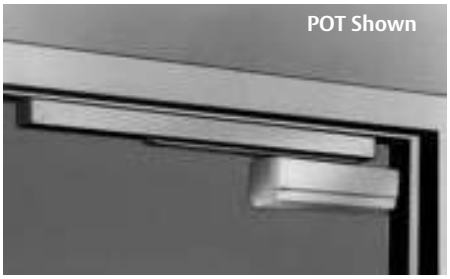
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Pull Side Mounting (Hinge Side)

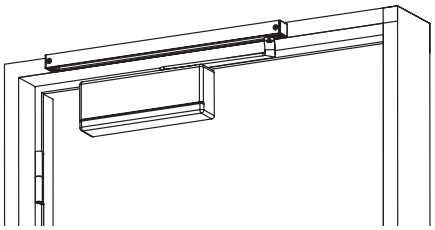


Push Side Mounting (Stop Side)



Double Egress Frame Mounting (Stop Side Deep Reveal)

OD Shown



281 Track Type Application offers a number of options such as built in bumpers and holders. Along with its clean appearance, it is a favorite for many interior designers. It has the versatility of being mounted on either side of a door for the clean unobstructed appearance without the cost of concealed closers and tracks.

OT Track Arm

- Track mounts on frame face "OT"
- Minimum top rail required without mounting plate: 2-3/8"

Note: Based on the application; verify door & frame requirements using the appropriate template

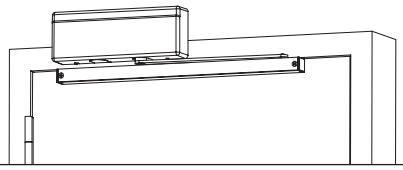
Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track
- 180° with ideal conditions for standard track

Hold Open Range

- 85° – 120°

281 OT - Installed in Top Jamb Application. Use template A7975A



POT Track Arm

- Track mounts on frame stop "POT"
- Minimum top rail required without drop plate: 4-3/4" (121mm)
- With 281D Drop Plate 3" (76mm)

Maximum Door Opening

- 100° with standard track
- 95° with optional bumper track

Hold Open Range

- 85° – 95°

Minimum Soffit Required

- 1-9/16" (40mm) wide

OD Double Egress Track Arm

- Forged steel arm
- Handed
- Special frame profile required
- For use with 3" – 4" reveals
- Non standard frame required

Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track

Hold Open Range

- 85° – 120°

Track

- Extruded aluminum track
- End caps finished to match track

Arm

- Forged steel
- Bearing roller

Bumper (Optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (Optional)

- Mounts within the track
- Adjustable latch tension and position

Finishes

- EAB, EB, ED, EN, EP powder coat on all exposed surfaces

Consult factory if door weight exceeds 250 lbs.

Arm & Track	Description/Options
281—OT	Pull
281—OTB	Pull with Bumper
281—HT	Pull with Holder
281—HTB	Pull with Holder and Bumper
281—OD	Pull Double Egress (Handed) (Non-standard frame required)
281—ODB	Pull Double Egress with Bumper (Handed) (Non-standard frame required)
281—HD	Pull Double Egress with Holder (Handed) (Non-standard frame required)
281—HDB	Pull Double Egress with Holder and Bumper (Handed) (Non-standard frame required)
281—POT	Push
281—POTB	Push with Bumper
281—PHT	Push with Holder
281—PHTB	Push with Holder and Bumper

Note: Two mounting applications are available

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Standard and Parallel Arm Security Solutions

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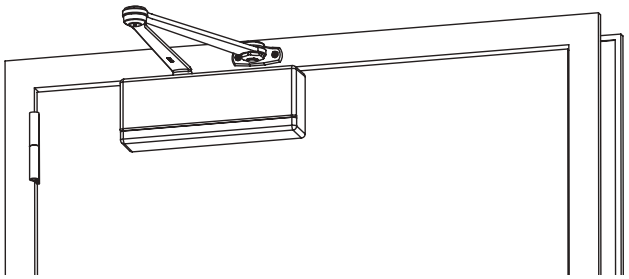
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With its heavy duty cast iron construction, the 281 door closer is an ideal choice when selecting a closer for detention or security applications. While no surface mount door closer is impervious to all situations, the forged steel arms, metal cover and security screws give the 281 line of security closers a high tolerance for extreme abuse.

Standard Heavy Duty Security Applications

When the strongest closing forces are required in rough environments, the SARGENT SSO arm is the best choice.

SSO - Standard Heavy Duty (Pull Side)





O10 Heavy Duty Standard Arm

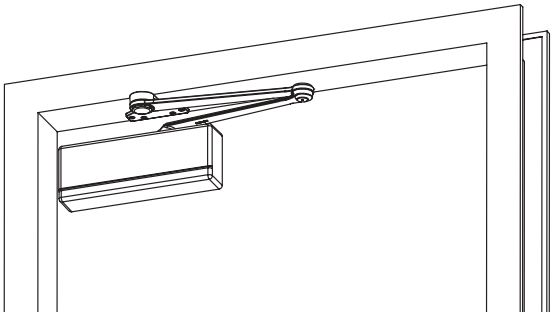
SSO Features:

- Metal cover (handed) with tamper proof security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged steel arms that will endure abuse
- Oil bronze bearings in arms for superior wear resistance
- Non-handed arms and closer – only the cover is handed
- Permits 180° opening with alternate mounting if adjacent frame does not interfere with cover
- All exposed fasteners are Security Torx machine screws

Parallel Arm Security Application

The SARGENT parallel application security arm provides increased resistance to abuse with a similar range of closing forces as the SSO.

SSP - Heavy Duty (Push Side)





P10 Heavy Duty Parallel Arm

SSP Features:

- Metal cover (handed) with tamper resistant security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged arms that will endure abuse
- Non-handed arm and closer – only the cover is handed
- Oil bronze bearings in arms for superior wear resistance
- Permits 180° opening with alternate mounting if adjacent wall and frame do not interfere with cover
- All exposed fasteners are Security Torx machine screws

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Track Type Security Solutions

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Security Track Arm Applications

With the arm tucked tightly between the top of the closer and the bottom of the track, SARGENT track type security closers provide the greatest resistance to abuse of any surface mount closer. Push and pull side applications are available.

General Features

- Forged steel arm with integrated roller
- Tamper proof security torx machine screws are provided for all exposed fasteners
- Metal cover (handed)
- Track is mounted to frame with four screws
- Track design ejects foreign objects from within track

SSPT - Pull Side Mounting (Hinge Side)



SSPT Features

- Security track with adapter bar mounted on pull side
- Track mounts to the frame face; minimum width 2-3/8"
- Maximum door opening 160°

Note: Based on the application; verify door & frame requirements using the appropriate template

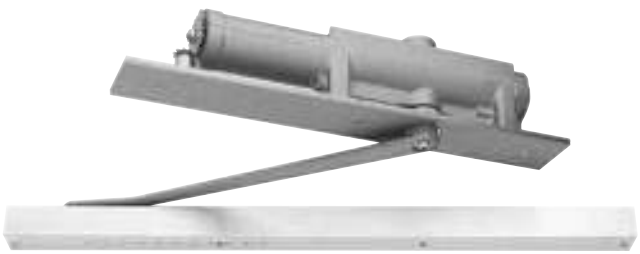
PSSPT - Push Side Mounting (Stop Side)



PSSPT Features

- Security track mounts on stop for push side
- Track mounts on frame stop; Minimum stop required 1-11/16"
- Maximum door opening 100°

Note: Based on the application; verify door & frame requirements using the appropriate template



268 Concealed Security Closers

For the highest degree of security and resistance to abuse, select a SARGENT 268/269 concealed door closer. See our Concealed Door Closer Catalog

Consult factory if door weight exceeds 250 lbs.

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Overhead Stop/Holder Compatibility

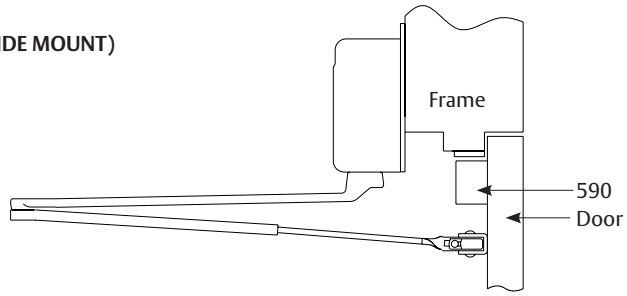
281 Series Powerglide®

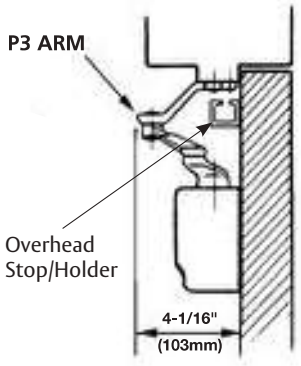
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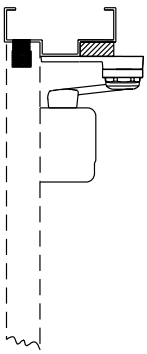
When a floor or wall stop cannot be used, the highest level of door control is provided through the use of a SARGENT door closer and a SARGENT overhead stop or holder. While door closer arms are available with stop and holder options, they are limited in their ability to withstand extreme abuse. Overhead stops absorb abusive loads using a heavy compression spring that distributes the load to the frame. SARGENT overhead stops and holders are designed for years of abuse and come with a 5 year warranty.

Frequently Used Overhead Stops used with the 281 Series

- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  590 Series Holder/Stop with 281-O
  690 Series Holder/Stop with 281-O
  1530 Series Holder/Stop with 281-O
  1540 Series Holder/Stop with 281-O
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  590 Series Holder/Stop with 281-P3
  590 Series Holder/Stop with 281-PD10
  690 Series Holder/Stop with 281-P9
  690 Series Holder/Stop with 281-P10
  1530 Series Holder/Stop with 281-P9
  1530 Series Holder/Stop with 281-P10
  1540 Series Holder/Stop with 281-P3
  1540 Series Holder/Stop with 281-PD10
- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  590 Series Holder/Stop with 281-P4
  690 Series Holder/Stop with 281-P4
  1530 Series Holder/Stop with 281-P4
  1540 Series Holder/Stop with 281-P4
- **Inverted Top Jamb Applications**
  590, 690, 1530, 1540 Series with either 281, 351, 1430 Series and "O" 0Z, 0ZA Arm







Note: This chart is only a quick reference. Some applications may require the use of a 145 or 195 angle bracket

For applications not shown, refer to the SARGENT Overhead Holders & Stop catalog

Special Conditions

The SARGENT Website (www.sargentlock.com) contains templates for all common applications of SARGENT Door Closers with SARGENT overhead door holders. To insure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of unusual door, frame and hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the maximum door opening angle.

Through Bolts and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, through-bolts will be furnished with mortise nuts
- A bridge type reinforcement is required to prevent collapse of top rails when through-bolts are tightened (required on hollow metal doors)

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How to Order and Options

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Packing

- Closer assemblies are packaged 2 per carton - total weight 20lbs

How to Order

CPC-DA	281-	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- ABC- CPC- DA- MC- SG- SRI- TB- EC-	281	Standard Page 7 Top Jamb Page 9 Parallel Pages 11 & 12 Track Type Page 14	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

Options Available

Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws
74-	Lead lined cover
ABC-	Advanced Back Check
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
EC-	ABS Cover
MC	Handed Metal Cover
SRI-	Special Rust Inhibitor finish for powder coated finishes (closer body only)
TB-	Through Bolt (1-3/4" Std) For others, specify TB- & door thickness

Note:

- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC- option if both the cover and arms are to be plated

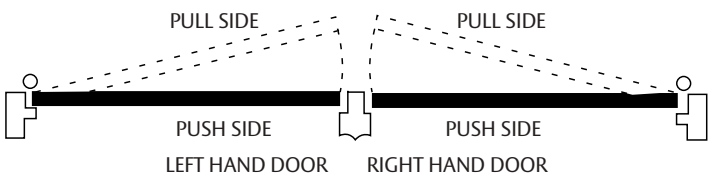
NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

How To Order Accessories

		Example
Arm only	Specify: 25- arm required x finish	25-PSH EN x hand
Closer Body only	Specify: CB-281 (Options DA & ABC available)	CB-281
Arm Conversion Units	Specify: Unit x finish	125-P4 x EB
Cover (Standard plastic)	Specify: 281-C x finish	281-C x EB
Cover (ABS)	Specify: 281-CEC x finish	281-CEC x EP
Accessories	Specify: accessory x finish See applicable catalog section	281-D EB

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item



Special Rust Inhibitor Process (SRI)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.

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Finishes

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Finishes

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze – equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

351 Series
Powerglide® Door Closer



Experience a safer
and more open world

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351 Series Powerglide®

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The 351 Powerglide® line of surface door closers has been engineered to meet the demands of architects and building owners. The 351 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

Primary Closer Arm Identification Letters

O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" – 5"
ZA	Extra Deep Reveal Arm 5-1/8" – 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

Underwriters' Laboratories Listing

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:
"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

c UL us LISTED

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On The Cover

- SARGENT 351 Door Closer with an O arm

General Information

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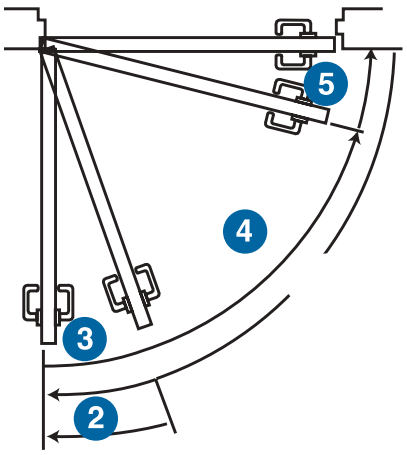
1 Closer Spring Adjustment (not shown)

- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required; Backcheck cannot be used as a stop

Door Closer Cycle



3 Delayed action valve (Optional)

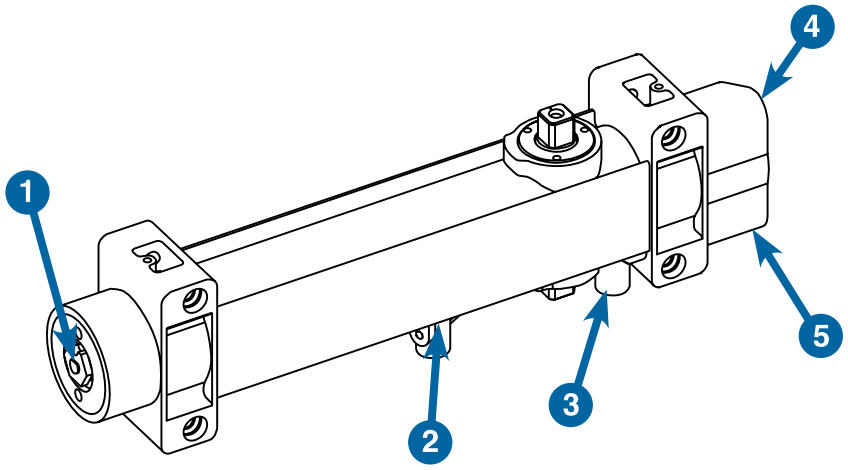
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial when moving carts or objects through door opening or ADA applications

4 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching

5 Closing speed valve

- Controls how fast the door closes to approximately 8" from the closed position, along with the closer spring



ANSI Standards

ARM	TYPE	ARM	TYPE
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

How to Select the Proper Closer

Things to Consider

1. Size and Weight of Door
The 351 Door Closers is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights. **Consult factory if door weight exceeds 250 lbs.**

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, corner bracket or parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

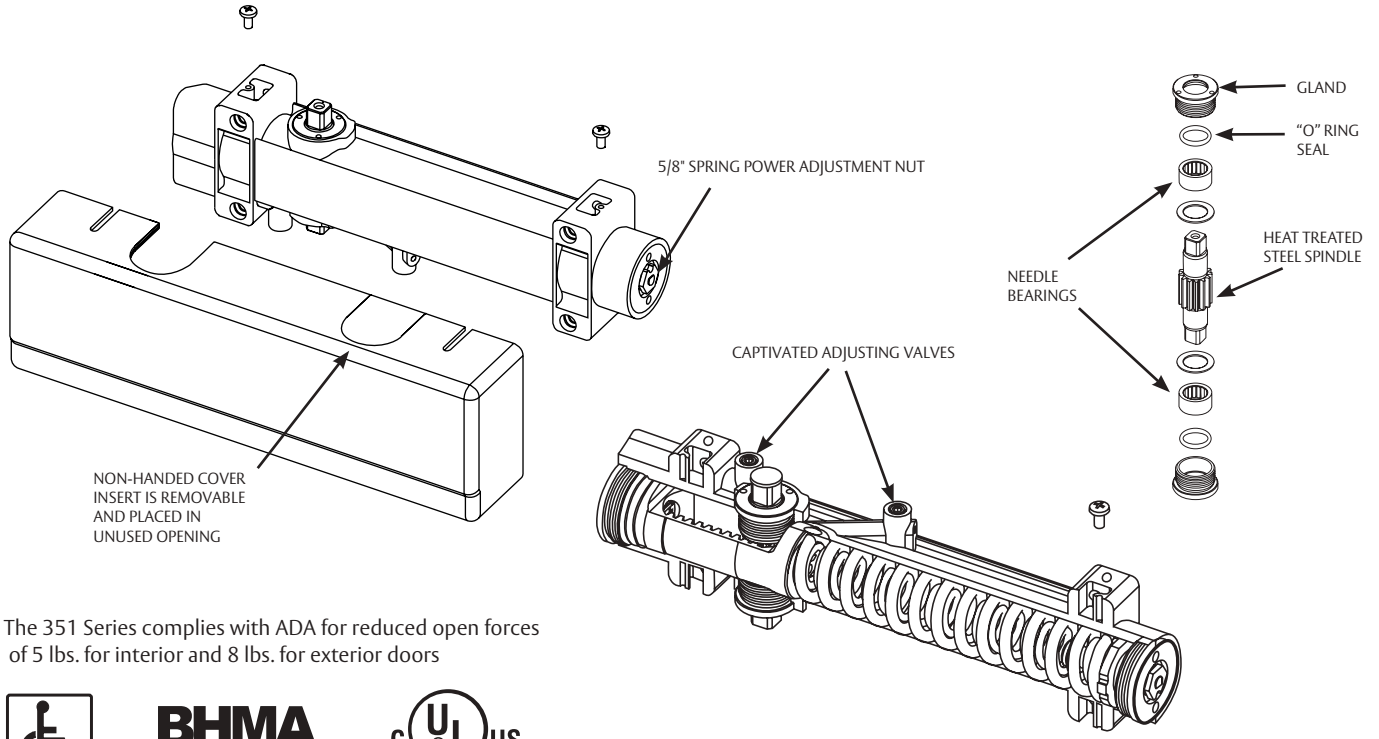
6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

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Features and Benefits

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The 351 Series complies with ADA for reduced open forces of 5 lbs. for interior and 8 lbs. for exterior doors

BHMA CERTIFIED

c UL us LISTED

Features

- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL /cUL listed for use on fire rated doors
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 351 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications. All 351 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse

Heavy Duty Construction

- Heat treated full closed rack and pinion provide control from the full open position
- Heavy duty one piece die cast aluminum silicon alloy body with 14% silicon provides superior strength and wear resistance
- 1/2" arm engagement over a 7/16 square spindle ensures a wear-resistant tight joint

Fasteners

- Machine Screws and self tapping screws provided for closer and arm

Valves

- Brass body low sensitivity control valves offer separate regulating for door speed, latching, backcheck and optional delayed action
- All valves are controlled by an 1/8" allen wrench to discourage tampering and are captivated to prevent removing valves from the body and damaging door closer
- Adjustable backcheck (standard) protects the door and hardware from damage during the opening cycle
- Adjustable delayed action (optional) permits easy access for physically impaired individuals
- Valves are captivated to prevent accidental removal

Full Complement of Arm Types

- Interchangeable forged steel arms
- Standard and parallel arms
- Push and pull track arms (including double egress)
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 351, 1431 and 281 Series

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Suggested Architect's Specifications

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1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Captivated valves.
6. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
7. The one piece closer body shall be of die cast aluminum alloy with 14% silicon minimum content.
8. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
9. All arms shall be finely finished with heavy duty forged steel main arm.
10. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
11. All closers shall be suitable for standard, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
12. Closer covers shall be of high impact plastic material of flame retardant grade. Secured by machine screws.
13. Projection of closer body from door shall not exceed 2-3/16" (56mm).
14. Closers shall be non-handed to meet a variety of door conditions and design requirements.
15. The spindle shaft shall be sealed hydraulically with an "O" ring.
16. Specify desired options such as: Metal Cover, (TB) Through Bolting, (DA) Delayed Action and Architectural Plated Finishes.
17. All closer bodies have a 30-year limited warranty.
18. Closers should comply with UL 10C Positive Pressure Fire Test.
19. Closers to be Grade 1 of ANSI/BHMA A156.4.

The 351 door closer is designed to meet the opening force requirements established by the Americans with Disabilities Act defining 5 lbs. of opening force for interior and 8 lbs. for exterior doors. A special spring design affording easier access and allowing exterior door control is used. Where excessive draft and pressure conditions exist or when extra heavy doors are used, the spring should be adjusted for a stronger setting. Meeting ADA requirements can be achieved at all applications shown above with simple spring adjustment.

CAUTION: Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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Standard Applications

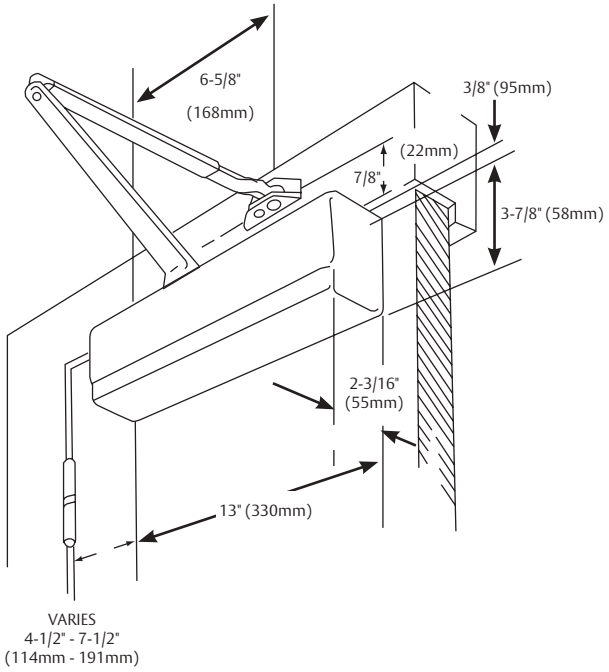
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The standard application of the 351 door closer is the most common and the most desirable. The closer mounts on the hinge (pull) side of door (except when the W Corner Bracket is used). **Note:** This application is not recommended on exterior doors (the closer is not protected from weather). The cover projection normally limits the door opening to a maximum of 160°.

351-0 Standard Application



351 Standard Application for:

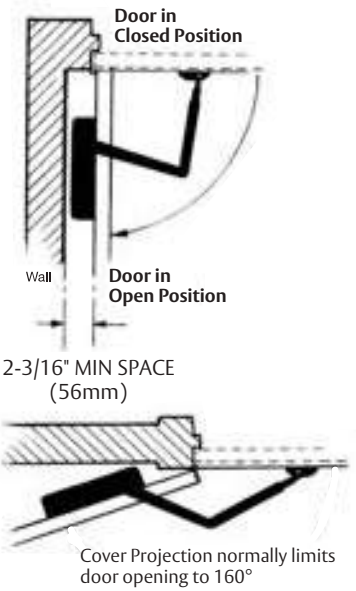
- Interior Doors Opening In or Out
- Exterior Doors Opening In
- Maximum Reveal 7/16"
- Non-hand universal body

351 Standard Application Door Opening Range

(Range based on Mounting Position)

- O- Standard Arm: 120° – 180°
- H- Hold Open Arm: 90° – 160°

Wall Clearance Requirement

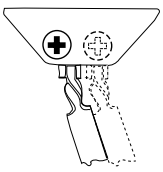


Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Arm Leverage Adjustment

Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



Consult factory if door weight exceeds 250 lbs.

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Arms and Accessories for Standard Applications

351 Series Powerglide®

SARGENT ASSA ABLOY

O - Standard Arm



- Forged Steel Main Arm
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm
63-2216 - Foot assembly
63-3684 - Screw pack

H - Hold Open Arm



- Forged Steel Main Arm
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H x finish for arm only
Includes: 63-2229 - Main arm
61-2303 - Foot assembly
63-3684 - Screw pack

O8 - Mortise Foot Arm



- Forged Steel Main Arm
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

Order as 25-O8 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2273 - Foot assembly
63-2391 & 63-3684 - Screw packs

H8 - Mortise Foot Hold Open Arm



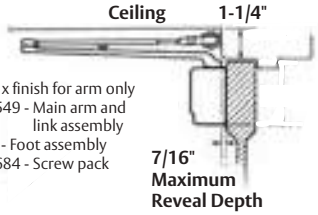
- Forged Steel Main Arm
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only
Includes: 63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2229 - Main Arm and Link Assembly
63-2391 & 63-3684 - Screw packs

OLC - Standard Arm for Low Ceiling



- Forged Steel Main Arm
- Non-handed
- 1-1/4" between the top of door to ceiling is required for OLC Arm
- Permits 120° door opening with standard mounting



Order as 25-OLC x finish for arm only
Includes: 63-2549 - Main arm and link assembly
2216 - Foot assembly
63-3684 - Screw pack

UH Package



- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications
- Order closer as 351-UH x finish
- 351-UH not available with (MC) metal cover or plated finishes

Screw packs 63-3684

125-PH9



UO Package



- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications
- Order closer as 351-UO x finish
- 351-UO not available with (MC) metal cover or plated finishes

Screw packs 63-3684 & 63-2391

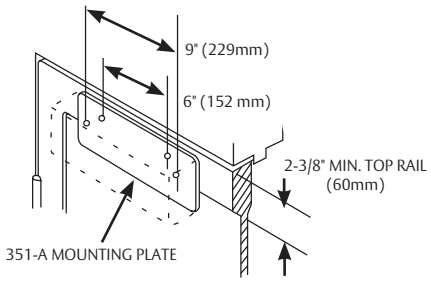


125-P9

351-A Mounting Plate

Allows the mounting of a 351 Closer onto a door with a minimum top rail of 2-3/8"

Order as: 351-A x finish



351- LCN Retrofit Plate

Allows an LCN 4040 closer body to be replaced with a SARGENT 351 with an O Arm without drilling new holes in door (NOTE: New holes required for arm bracket only)

Order as: 351L x finish

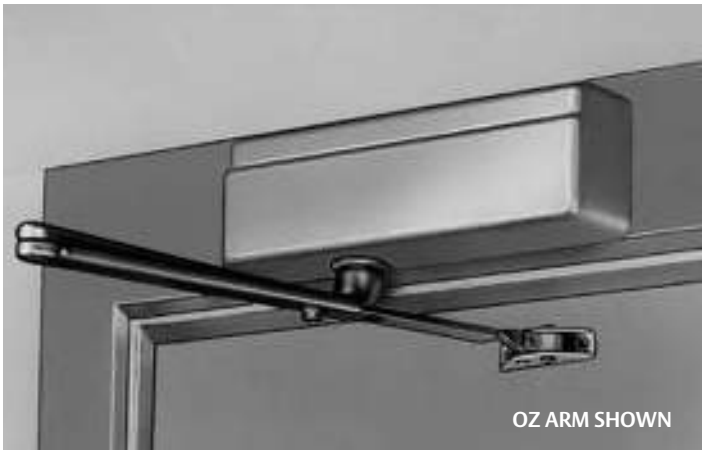


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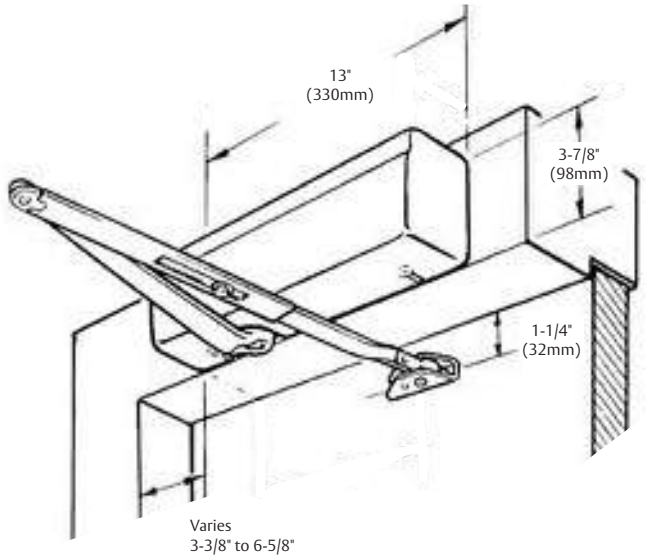
Top Jamb Applications

351 Series Powerglide®

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351-0 Top Jamb Mounting Position



Top Jamb applications - The 351 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather.

Minimum Frame Face Required

- 3-7/8" minimum required for 351 Top Jamb applications for both single and double rabbeted frames

Minimum Door Top Rail Required to Mount Closer Foot

- 2" (51mm) minimum
- Rail height used will vary depending on type and make of auxiliary holder

Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

351 Typical Reveal Top Jamb Applications

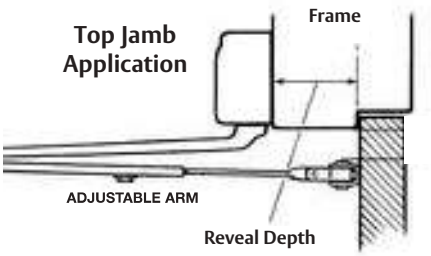
For reveals up to 2" (51mm) maximum

- O Arm - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80° – 180°

351 Extra Deep Reveal Top Jamb Applications

For reveals from 5-1/8" (130mm) to 8" (230mm)

- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80° – 130°



351 Deep Reveal Top Jamb Applications

For reveals from 2-1/8" (54mm) to 5" (127mm)

- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80° – 140°

351-A & 351-B Mounting Plates

These Mounting Plates permits closers to be mounted for special applications when overhead auxiliary door holders are used or in low ceiling applications for both single and double rabbeted frames.

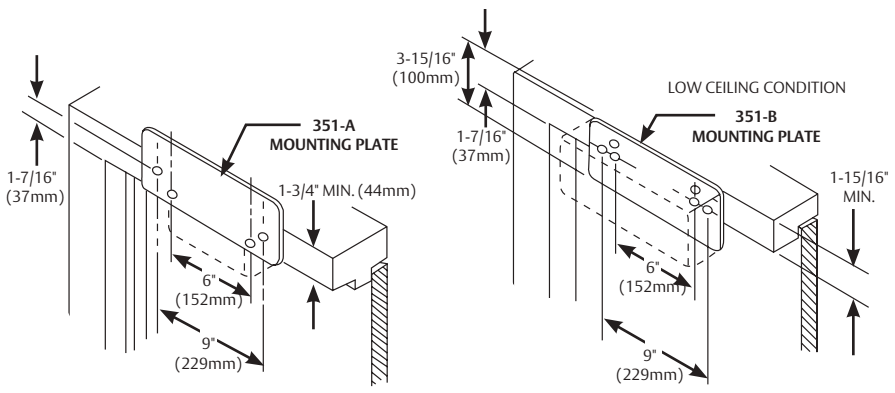
351-A Mounting Plate

The 351-A allows top jamb mounting of a 351 with a 1-3/4" minimum frame clearance.

351-B Mounting Plate

The 351-B for low ceiling applications allows top jamb mounting of a 351 with a minimum 1-15/16" frame.

- Plates are painted or plated steel to match closer
- Plates are non-handed
- Order as 351-A x finish or 351-B x finish



Consult factory if door weight exceeds 250 lbs.

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Arms for Top Jamb Applications

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Narrow Reveal

O - Standard Arm



- Forged Steel Main Arm
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening

Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm assembly
63-2216 - Foot assembly
63-3684 - Screw pack

H - Hold Open Arm



- Forged Steel Main Arm
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

Order as 25-H x finish for arm only
Includes: 63-2229 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

Deep Reveal Arms

OZ - Standard Arm for Deep Reveals



- Forged Steel Main Arm
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZ x finish for arm only
Includes: 63-2607 - Main arm assembly
63-2217 - Foot assembly
63-3684 - Screw pack

HZ - Hold Open Arm for Deep Reveals



- Forged Steel Main Arm
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

Order as 25-HZ x finish for arm only
Includes: 63-2230 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

Extra Deep Reveal Arms

OZA - Standard Arm for Extra Deep Reveal



- Forged Steel Main Arm
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Non-handed
- Permits 140° door opening

Order as 25-OZA x finish for arm only
Includes: 63-2607 - Main arm assembly
63-2218 - Foot assembly
63-3684 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal



- Forged Steel Main Arm
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

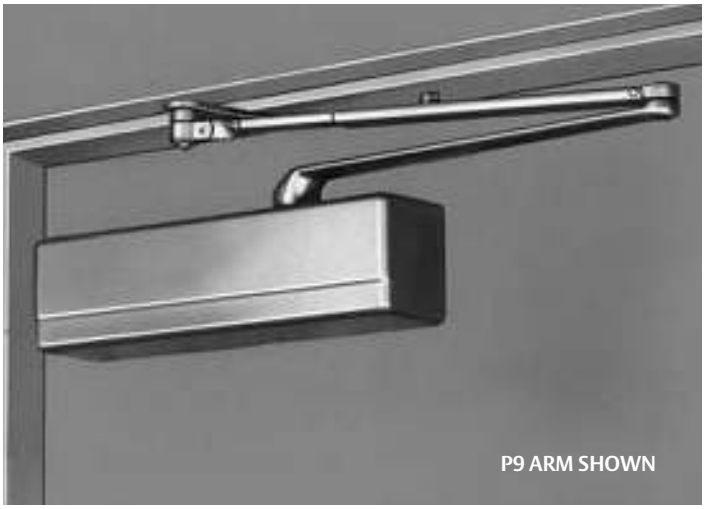
Order as 25-HZA x finish for arm only
Includes: 63-2231 - Main arm assembly
61-2303 - Foot assembly
63-3684 - Screw pack

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Parallel Arm Applications

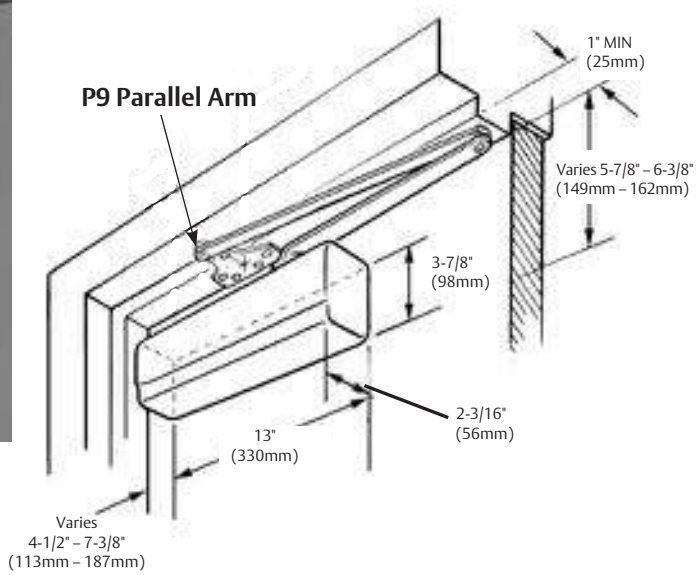
351 Series Powerglide®

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Parallel Arm Applications - The 351 closer is mounted on the push side of the door. As the door opens, the closer swings with the door and gives full headroom in the door opening. Other advantages: the closer arm does not project into the room; the frame can be quite narrow and the door can be swung open much farther than in Top Jamb Applications.

351-P9 Regular Duty Parallel Arm



Heavy Duty Parallel Arms

For use in high traffic and abusive environments

- Forged steel arm and cast iron foot bracket for strength and durability
- Oiled bronze bearings for superior wear resistance
- 2 piece rigid arms for ease of installation
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Dead stop and compression stop arms available
- Security non-hold open arms available

Non hold-open arms

- Two mounting positions for 120° and 180° maximum door openings

Stop arms

- 6 mounting positions with PS or CPS arms to allow stop from 85°–110°

Regular Duty Parallel Arms

Available Arms for institutional installations:

- Regular duty parallel arms
- Offset bracket arms for use with Auxiliary Holders & Stops
- Parallel flush frame arms
- Flush frame arms for use with Auxiliary Holders & Stops
- Flush frame, friction Hold Open Arms

NON HOLD OPEN ARMS

- Two mounting positions for 120° and 180° maximum door opening

HOLD OPEN ARMS

- Friction hold open arms available for doors subject to moderate hold open use
- 6 mounting positions to hold open from 85° – 110° with PSH or CPSH arms

Consult factory if door weight exceeds 250 lbs.

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Heavy Duty Parallel Arms

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P10 - Heavy Duty Parallel Arm



- Forged Steel Constructions
- Non-Handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-P10 x finish for arm only
25-P10 Includes: 63-0641 - Main arm
63-3727 - P10 foot assembly
63-3684 & 63-2392 - Screw packs

PS - Heavy Duty Parallel Arm with Positive Stop



- Forged Steel Constructions
- Handed arm is field-reversible
- Provides built in stop from 85° – 110°
- Permits 110° opening maximum
- Easily installed
- Permits 85° – 110° door opening

Order as 25-PS x finish for arm only
Includes: 63-0641 - Main arm
63-3837 - PS foot assembly
63-3684 & 63-2398 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop



- Forged Steel Constructions
- Provides built in compression stop from 85° – 105°
- Permits 105° opening maximum
- Easily installed
- Handed arm is field-reversible
- Dead stop within 3°

Order as 25-CPS x finish for arm only
Includes: 63-0641 - Main arm
63-3830 - CPS foot assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3684 & 63-2398 - Screw packs

SP10 Heavy Duty Security Arm



- Same as P10, except factory assembled at arm joint (elbow) to prevent disassembly in SSP package along with metal cover

PH10 - Heavy Duty Friction Hold Open Parallel Arm



- Forged Steel Constructions
- Adjustable hold open from 75° – 180°
- Forged steel arm 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

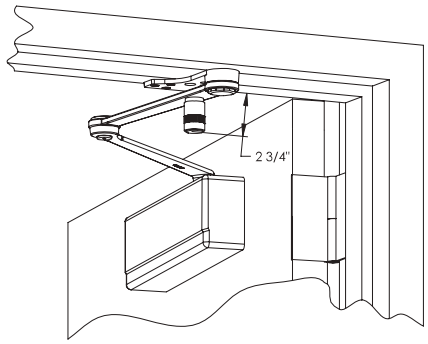
Order as 25-PH10 x finish for arm only
25-PH10 Includes: 63-0641 - Main arm
63-3839 - Left hand PH10 foot assembly
63-3840 - Right hand PH10 foot assembly
63-3684 & 63-2392 - Screw packs

PSH - Heavy Duty Parallel Hold Open Arm with Positive Stop



- Forged Steel Constructions
- Provides holder and stop features
- Handed arm is field-reversible
- Easily installed/adjusted
- Permits 85° – 110° door opening

Order as 25-PSH x finish for arm only
Includes: 63-0641 - Main arm
63-3833 - PSH foot assembly
63-3684, 63-2392 & 63-2398 - Screw packs



The PSH and CPSH arms project 2-3/4" below the head stop

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop



- Forged Steel Constructions
- Handed arm is field-reversible
- Provides built in compression stop and holder mechanism from 85° – 105°
- Easily installed/adjusted
- Permits 105° opening maximum
- Dead stop within 3°

Order as 25-CPSH x finish for arm only
Includes: 63-0641 - Main arm
63-3836 - CPSH foot assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3684, 63-2392 & 63-3487 - Screw packs

Positive Stop Hold Open Arms (PSH & CPSH ARMS)

- Use on doors subject to repetitive hold open use
- 6 hold open positions from 85° – 110° determined by mounting position
- Hold open function may be disengaged
- Hold open tension is easily adjustable

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Regular Duty Parallel Arms

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Standard Arms

P9 - Standard Parallel Arm



- Forged Steel Main Arm
- Non-handed
- Can be used with the 351L retrofit plate when replacing a LCN 4040 closer

Order as 25-P9 x finish for arm only
Includes: 63-2607 - Main arm
63-3405 -Foot assembly
63-3684 & 63-2391 - Screw packs

Regular Duty Hold Open Arms

PH9 - Friction Hold Open Arm



- Forged Steel Main Arm
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed

Order as 25-PH9 x finish for arm only
Includes: 63-2229 - Main arm
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
63-3684 & 63-2391 - Screw packs

PH4 - Flush Frame, Friction Hold Open Arm



- Forged Steel Main Arm
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

Order as 25-PH4 x finish for arm only
Includes: 63-2229 - Main arm
61-2303 - Foot assembly
64-0050 - Foot bracket
63-3684 & 63-2391 - Screw packs

Offset Brackets for use with overhead stops, holders and door coordinators

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed

Order as 25-P3 x finish for arm only
Includes: 63-2607 - Main arm
63-2270 - Foot assembly
63-3684 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed

Order as 25-P3A x finish for arm only
Includes: 63-2607 -Main arm
63-2274 - Foot assembly
63-3684 & 63-2391 - Screw packs

P4 - Parallel Flush Frame Arm



- Forged Steel Main Arm
- Foot bracket is attached to frame or transom face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed

Order as 25-P4 x finish for arm only
Includes: 63-2607 - Main arm
63-2295 - Foot assembly
63-3684 & 63-2391 - Screw pack

P4A - Flush Frame Arm for use with Auxiliary Holder/Stop



- Forged Steel Main Arm
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed

Order as 25-P4A x finish for arm only
Includes: 63-2607 - Main arm
63-2272 - Foot assembly
63-3684 & 63-2391 - Screw packs

Tri-Packs

UO Package



- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

351-UO not available with (MC) metal cover or plated finishes

Screw pack 63-3684



125-P9

UH Package



- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

351-UH not available with (MC) metal cover or plated finishes

Screw pack 63-3684



125-PH9

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Accessories for Parallel Applications

351 Series Powerglide®

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Heavy Duty Parallel Arm Accessories

581-2 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws

Use P/N 63-0756 to order blade stop only

125-V/125-VF Brackets





125-V **125-VF**

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames



Regular Duty Parallel Arm Accessories

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel Arm



125-P3A Arm Conversion Unit

- Converts O or P9 Arm to P3A Parallel Arm



125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm



125-P4 Conversion Unit

- Converts O or P9 Arm to P4A Arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A Arm



581-1 Blade Stop Spacer Kit

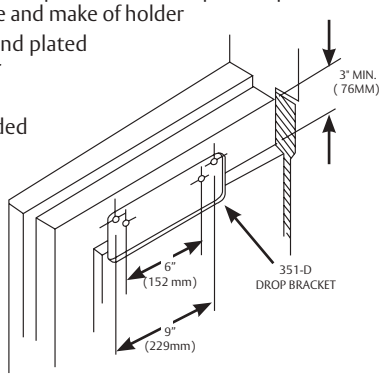


- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

Regular Duty Parallel Arm Accessories

351-D Drop Plate

- Permits mounting parallel arm 351 Series Closer applications on doors with narrow top rails
- Requires 3" (76mm) minimum top rail
- For closers used with overhead stops and holders, top rail requirements will vary depending upon type and make of holder
- Available with powder coat and plated finishes to match door closer
- Plates are not handed
- Plate mounting screws included
- Order as 351-D x finish



351L - LCN RETROFIT Plate

The 351L allows replacement of LCN 4040 closer body with a SARGENT 351 without drilling new holes in door (**Note:** New mounting holes required for arm bracket only)

- 351L Retrofit Plate:
  Can be used with these parallel arms
  - P9 – Regular Duty Parallel Arm
  - P10 – Heavy Duty Parallel Arm
- Plates are non-handed
- Available in powder coat and plated finishes
- Order as: 351L x finish



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Track Type Applications

351 Series Powerglide®

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Pull Side Mounting (Hinge Side)

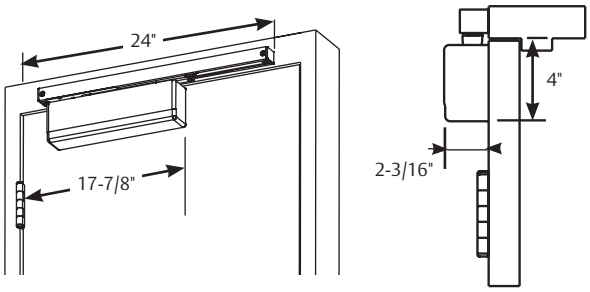


The closer is for use on interior doors opening in or out. As the door opens, the closer swings with the door. This affords a variable hold-open feature option.

Pull Side Track Application

Arm & Track	Description
OT	Pull Standard pull side
OTB	Pull Track with bumper
HT	Pull Holder
HTB	Pull Holder with bumper

Track Arm Applications



Pull Hinge Side Mounting (Track mounts on frame face)

- Minimum top rail required with a 351-A plate = 2-1/4" (57mm)
- Minimum top rail required without mounting plate = 4" (102mm)

Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track
- 180° with standard track if frame conditions permit

Hold Open Range

- 85° – 120°

Push Side Mounting (Stop Side)

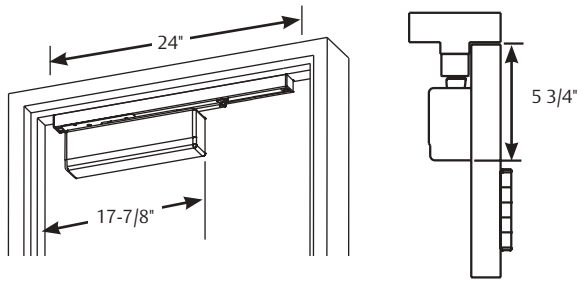


The closer is for use on interior doors opening in or out. As the door opens, the closer swings with the door. This affords a variable hold-open feature option.

Push Side Track Application

Arm & Track	Description
POT	Push Standard
POTB	Push Bumper
PHT	Push Holder
PHTB	Push Holder and bumper

Track Arm Applications



Push Stop Side Mounting (Track mounts on frame stop)

- Minimum top rail required without drop plate = 5-3/4" (146mm)
- 3" (76mm) minimum top rail required with 351-D Drop Plate

Minimum Stop Required

- 1-9/16" (40mm) wide

Maximum Door Opening

- 100° with standard track
- 95° with optional bumper track

Hold Open Range

- 85° – 95°

Common Features

Standard Finishes

- EAB, EB, ED, EN, EP, powder coated on all exposed surfaces
- Architectural plated arms and covers optional

Track

- Extruded aluminum track

Arm

- Forged steel

Bumper (optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)

- Mounts within the track (adjustable)

Non Sized-Adjustable

- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Consult factory if door weight exceeds 250 lbs.

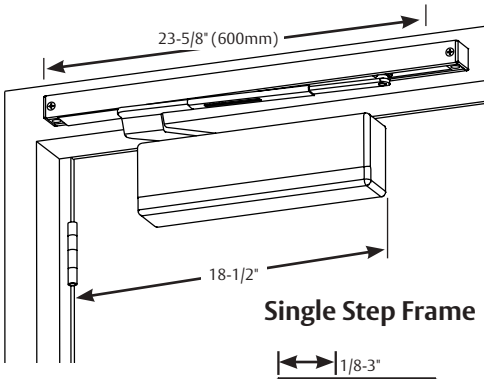
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Double Egress Applications

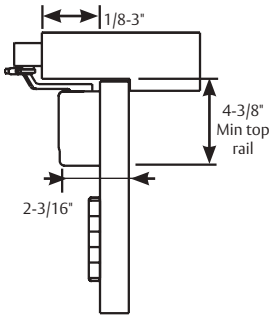
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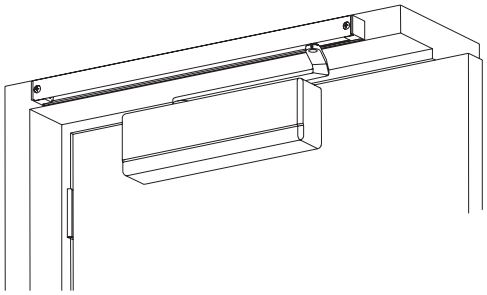
ODS - Single Step Double Egress Arm



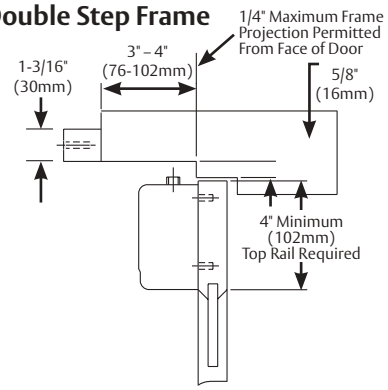
Single Step Frame



OD - Double Step Double Egress Arm



Double Step Frame



ODS Applications

- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open 85°–120°
- Used with reveals 1/8" – 3" (3mm-76mm)

Track

- Extruded aluminum track
- End caps finished to match track

Arm

- Forged steel
- Bearing roller
- Arm handed same as door

Non Handed

- Universal body

Finishes (Powder Coat)

- EAB, EB, ED, EN, EP (standard for all exposed surfaces)

Bumper (optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)

- Mounts within the track (adjustable)

Non Sized-Adjustable

- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Double egress track arms are used when the aesthetics of a track application is required on the pull side of a deep reveal frame.

This application is commonly used on cross corridor openings.

Double Egress Track Applications

OD	Double step double egress
ODB	Double step double egress with bumper
HD	Double step double egress with holder
HDB	Double step double egress with bumper and holder
ODS	Single step double egress
ODSB	Single step double egress with bumper
HDS	Single step double egress with holder
HDSB	Single step double egress with bumper and holder

OD Applications

- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open: 85° – 120°
- Used with reveals 3" – 4" (76mm-101mm)

Track

- Extruded aluminum track
- End caps finished to match track

Arm

- Forged steel
- Bearing roller
- Arm is handed same as door

Non Handed

- Universal Body

Finishes (Powder Coat)

- EAB, EB, ED, EN, EP (standard for all exposed surfaces)

Bumper (optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (optional)

- Mounts within the track (adjustable)

Non Sized-Adjustable

- Interior doors to 5'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

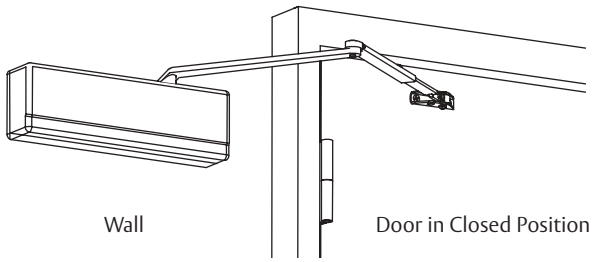
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Pocket Door Applications

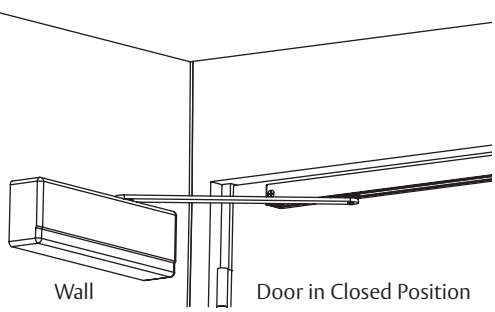
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OP - Double Lever Arm Application



OTP - Track Type Application



Pocket Door Applications

The 351 Series Powerglide Door Closer body is mounted on the wall and installed so that it pushes the door closed. This application is typically used with fire doors that are held open. In this application when the door is open, the closer and arms are completely hidden from view.

OP - Pocket Arm Application

- 180° Maximum Opening
- Non handed

Note: 90° Maximum Opening, use OTP Track Type

Arm

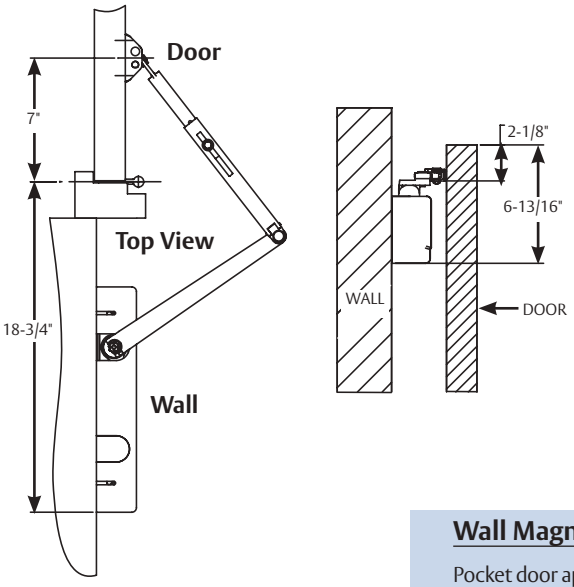
- Forged steel

Non Handed

- Universal Body

Finishes (Powder Coat)

- EAB, EB, ED, EN, EP (standard for all exposed surfaces)
- Plated Covers and arms available



OTP - Track Type Application

- 90° Maximum Opening
- Extruded Aluminum Track
- Non handed

Arm

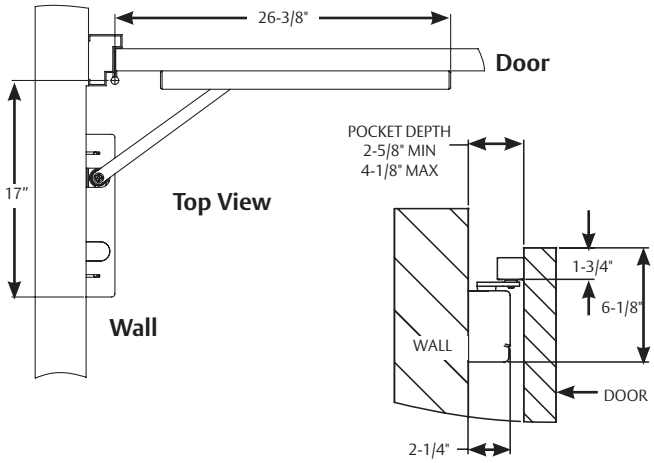
- Forged steel
- Bearing roller

Non Handed

- Universal Body

Finishes (Powder Coat)

- EAB, EB, ED, EN, EP (standard for all exposed surfaces)
- Plated Covers and arms available



Wall Magnets - see SARGENT holders and stops catalog

Pocket door applications commonly use wall mounts (wall magnets).



1560 Surface Mount





1561 Flush Mount



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Overhead Stop/Holder Compatibility

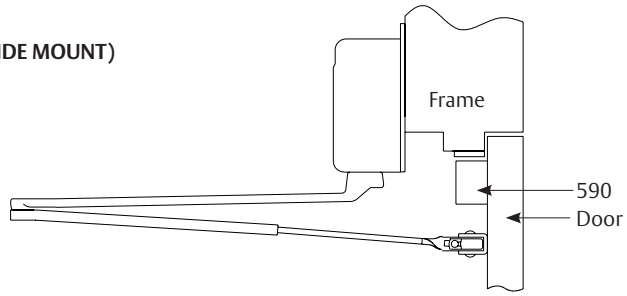
351 Series Powerglide®

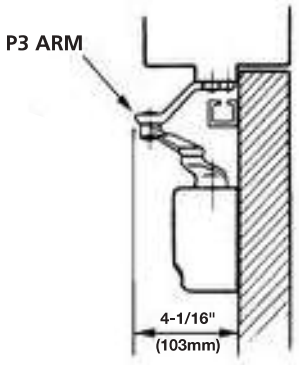
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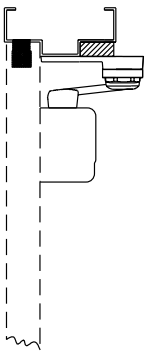
When a floor or wall stop cannot be used, the highest level of door control is provided with the use of a SARGENT door closer and a SARGENT overhead stop or holder. While door closer arms are available with stop and holder options, they are limited in their ability to withstand extreme abuse. Overhead stops absorb abusive loads using a heavy compression spring that distributes the load to the frame. SARGENT overhead stops and holders are designed for years of abuse and come with a 5 year warranty

Frequently Used Overhead Stops used with the 351 Series

- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  590 Series Holder/Stop with 351-O
  690 Series Holder/Stop with 351-O
  1530 Series Holder/Stop with 351-O
  1540 Series Holder/Stop with 351-O
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  590 Series Holder/Stop with 351-P3
  590 Series Holder/Stop with 351-PD10
  690 Series Holder/Stop with 351-P9
  690 Series Holder/Stop with 351-P10
  1530 Series Holder/Stop with 351-P9
  1530 Series Holder/Stop with 351-P10
  1540 Series Holder/Stop with 351-P3
  1540 Series Holder/Stop with 351-PD10
- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  590 Series Holder/Stop with 351-P4
  690 Series Holder/Stop with 351-P4
  1530 Series Holder/Stop with 351-P4
  1540 Series Holder/Stop with 351-P4
- **Inverted Top Jamb Applications**
  590, 690, 1530, 1540 Series with either 281, 351,
  1431 Series and "O" OZ, OZA Arm







Special Conditions

The SARGENT Website (www.sargentlock.com) contains templates for all common applications of SARGENT Door Closers with SARGENT overhead door holders. To ensure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of unusual door, frame and hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the maximum door opening angle.

Through-bolts and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, longer through-bolts will be furnished with mortise nuts
- A bridge type reinforcement is required to prevent collapse of top rails when through-bolts are tightened (required on hollow metal doors).

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How to Order and Options

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Packing

All closer assemblies are packaged 4 per carton. On request, door closers will be packed 2 per carton.

Series	Number per Carton	Approx. wt per Carton
351	4-Standard (2 upon request)	19 lbs. per 4

How To Order

CPC-DA	351	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- CPC- DA- MC- SG- TB-	351	Standard Page 7 Top Jamb Page 9 Parallel Pages 11 & 12 Track Type Page 14 & 15	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

Options Available

Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws
74-	Lead lined cover
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
MC-	Handed Metal Cover
TB-	Through Bolt (1-3/4" Std) For others, specify 31-TB- & door thickness

Note:

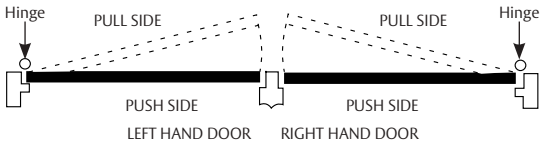
- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC suffix if both the cover and arms are to be plated

How To Order Accessories

Example		
Arm Only	Specify arm required and finish	25-PSH EN
Closer Body Only	Specify: CB-351*	CB-351
Arm conversion Units	Specify unit and finish	125-P4 EB
Cover Only (Standard)	351-C x finish	351-C EN
Cover Only (Metal)	351-CMC x finish and hand & arm type	351-CMC + 26D + LH + P10

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item

*DA (Delay Action) option is available with closer body



NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

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Finishes

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Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

422 Series

Cam Action Door Closer



Experience a safer
and more open world

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422 Series

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Push Side Track Type Applications (PCTB2/PCHTB2). 7
Architectural Specifications 8
How to Order 9

The 422 Cam Action Closer has been engineered to meet the demands of architects and building owners.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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On The Cover

- SARGENT 422-CTB Door Closer with EN powder coated finish

General Information

422 Series

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Innovation

SARGENT's cam action technology provides superior power and efficiency with the aesthetics of a track type door closer.

Performance

The 422 door closer's high efficiency provides strong closing forces with exceptionally low resistance to opening.

All Weather Fluid

All 422 Series closers are equipped with fluid that allows the units to operate effectively in extreme temperatures without readjustment.

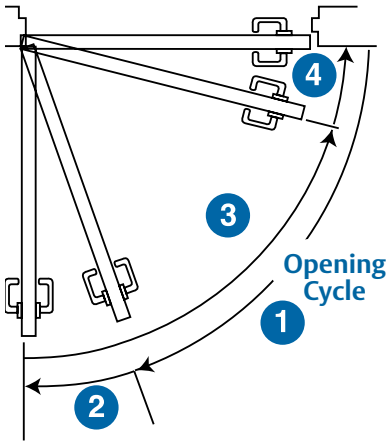
Finishes

Powder coated and plated finishes are available. See How to Order page 9.

ANSI/BHMA Specifications

- UL 10C listed for positive pressure fire test
- ANSI/BHMA A156.4, Grade 1 certified

Door Closer Cycle



1 Closer Spring Adjustment

- Affects the entire cycle of the door closer movement
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

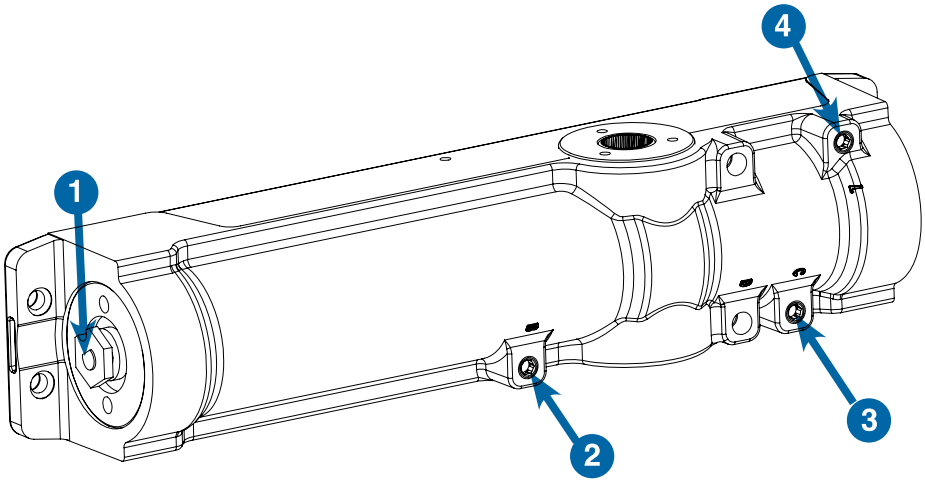
- At approximately 70° of the open cycle, the Backcheck valve begins to slow the door's motion
- Valve is used to control the intensity of the Backcheck
- Note: A Positive stop is required for abusive environments

3 Closing speed valve

- Controls how fast the door closes from fully open to approximately 8" from the closed position

4 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- Note: This adjustment is critical for door latching



How to select the proper closer

Things to consider

The 422 Cam Action Door Closer provides the highest performance of any track type door closer made today. Its innovative cam action design applies the closing forces in exactly the proper locations for smooth and efficient operation. The result is a door that is light to open and still has more than enough power to close.

Function

The 422 Cam Action Door Closer is equipped standard with an integral adjustable rubber bumper and stop. This bumper works with the backcheck for enhanced door control. An adjustable hold open latch is available as an option.

Special Conditions

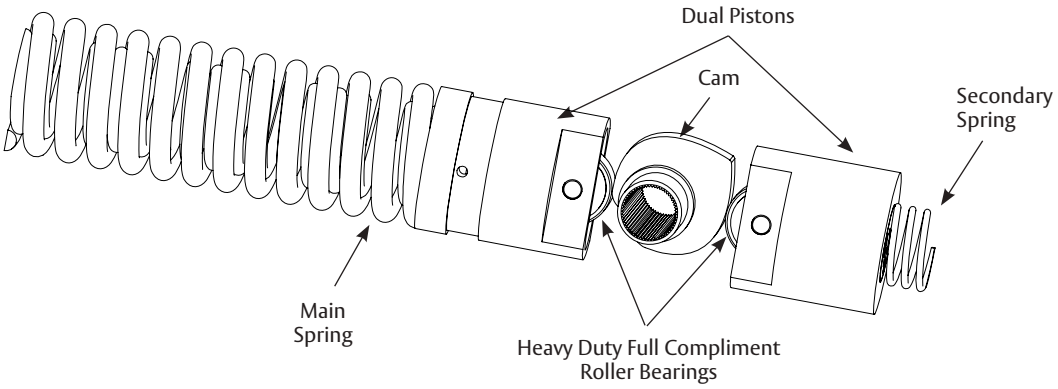
SARGENT engineers are available for support when special conditions exist requiring specialized hardware (e.g., unique hinges, overhead holders, etc.)

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Technology

422 Series

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The SARGENT 422 is a revolutionary door closer that provides unheard of performance in track arm applications. The dual piston cam design provides high efficiency and smooth operation with the clean appearance of a track arm.

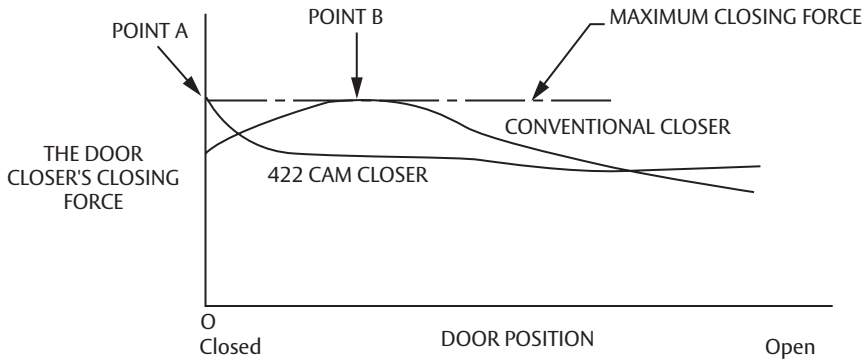
Conventional door closers are restricted by the linear gear ratio of the rack and pinion. This results in a constant application of spring force as the door opens and closes. While this is very effective in double lever arm applications, single lever track arm applications have limitations.

The shape of the cam is the heart of the cam action door closer. The cam controls the application of the spring forces and is carefully designed to apply those forces in the most effective manner for track type applications.

The SARGENT 422 closer has the highest efficiency of any surface mounted door closer on the market today. This means that a door equipped with this closer will feel light to open and have plenty of power to overcome stack pressure or other problems at latch.

The high efficiency of the 422 comes from its advanced design. Closing forces are applied to the spindle through the continuous smooth surface of the cam and hardened roller bearing follower. The dual pistons' simplified design provides a superior internal seal and reduced friction within the closer.

The 422 cam action closer exerts the strongest closing force at the latching point (point A), unlike a conventional closer, where its maximum force is in the middle of the door cycle (point B). The graph below shows the closing cycle of a conventional closer verses a 422 Cam Closer.



Point A - The Cam Closer has the maximum closing force at the point the door is closing.

Point B - The Conventional Closer has the maximum closing force in the middle of the cycle rather than at the closing point where the latch engages the strike.

422 Designed to Aid the Physically Challenged

The 422 Cam Action door closer is designed to meet the opening force requirements established by the American with Disabilities Act (ADA) limiting the opening force to 5 pounds for interior doors and 8 pounds for exterior doors.

CAUTION: The entire opening should be reviewed when ADA requirements must be met. Heavy doors add to the opening force while requiring more force to close. Poor quality hinges will add frictional resistance to the door and require more force to open and close. HVAC imbalances can cause a wind load that may also add to the opening forces. In these applications, a manual door closer may be unable to reliably close and latch a door when adjusted to ADA requirements and a SARGENT low energy door operator should be used.

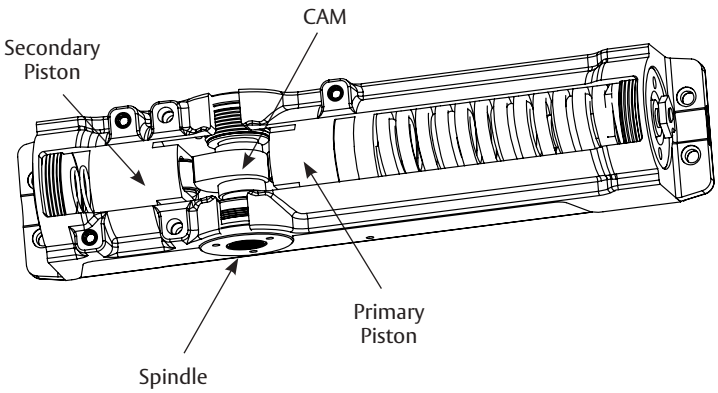
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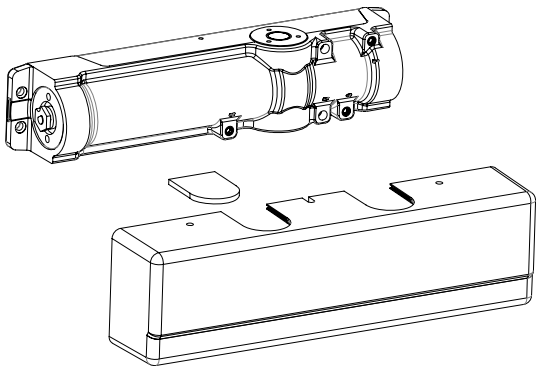
Features and Benefits

422 Series

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The 422 Series complies with ADA to meet opening requirements





Features

- UL 10C listed for positive pressure fire test
- UL / cUL listed for use on fire rated doors
- ANSI/BHMA A156.4, Grade 1 certified
- 10 Year Warranty
- While meeting the 5 lb. ADA requirements, the 422 still provides exceptional force to close and latch door
- Square spindle provides fool proof arm installation
- Push or pull installations with the same closer body
- Adjustable spring power allows 422 closers a size range of 1 through 6
- Closer bodies are non-handed
- Designed to meet ADA requirements in push or pull track applications
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse
- High impact non-corrosive one piece plastic covers standard (metal handed covers available)
- Cover secured by machine screws
- All weather fluid allows closer to operate effectively in extreme heat and cold without readjustment

Heavy Duty Construction

- Heavy duty one piece high silicon content aluminum alloy body provides corrosion resistance, superior strength and wear resistance
- Dual pistons provide superior door control and high efficiency
- 1/2" arm engagement over a 7/16" square spindle ensures a wear-resistant tight joint
- Full complement roller bearings provide resistance to abuse

Fasteners

- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors without through bolts

Valves

- Separate low sensitivity brass control valves offer ability to separately regulate door speed, latching, backcheck
- All valves are captured to prevent accidental removal; adjustable with a 5/32" Allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle

Innovation

- Innovative cam and dual piston design provides superior performance with the aesthetics of a track type closer

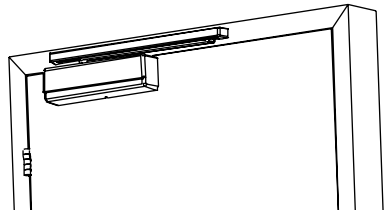
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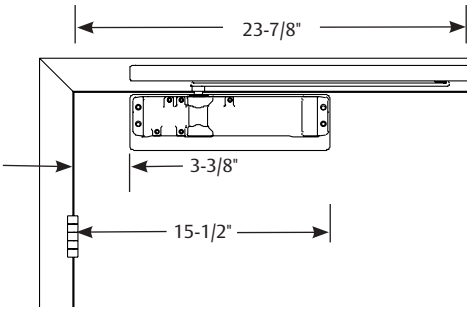
Pull Side Track Type Applications

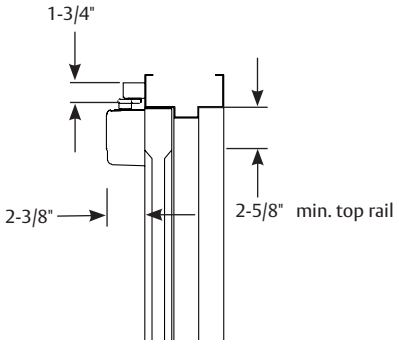
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Pull Side Mounting (Hinge Side)







The pull side application of the 422 cam closer provides an aesthetically pleasing appearance with the functionality of pull side mounting.

In the pull side application, the closer body mounts to the face of the door and the track mounts to the face of the frame. All cam action closers are equipped with a short track which provides superior door control with a clean appearance.

422-CTB2

- Bumper stop track
- Maximum door swing 125°
- Adjustable steel stop included in track that provides dead stop positions between 70° and 125°
- Rubber bumper included to cushion door before stop
- Auxiliary stop required for abusive environments
- Stop may be easily remove when not required
- Non handed closer body
- 2-1/2" minimum door top rail

422-CTHB2

- Holder track with bumper
- Maximum door swing 125°
- Adjustable hold open positions between 85° and 120°
- Adjustable bumper provides cushion to stop door after hold open
- Auxiliary stop required for abusive environments
- Stop may be easily remove when not required
- Non handed closer body
- 2-5/8" minimum door top rail

Arm & Track	Description/Options
422–CTB2	Pull with Bumper
422–CTHB2	Pull with Holder and Bumper

Consult factory if door weight exceeds 250 lbs.

Track

- One piece extruded aluminum track
- End caps finished to match track
- Non handed

Arm

- Forged steel
- Oiled bronze bearing in roller
- Non handed

Bumper

- Mounts in track to assist backcheck
- Auxiliary stop is required in abusive environments
- Included with both regular or hold open tracks

Holder (Optional)

- Mounts within the track (adjustable)

Finishes

POWDER COAT

- EAB, EB, ED, EN and EP powder coat finishes available.

Plated Hardware Finishes:

- Metal covers are available in plated finishes. Arms, tracks and track covers are not available plated.

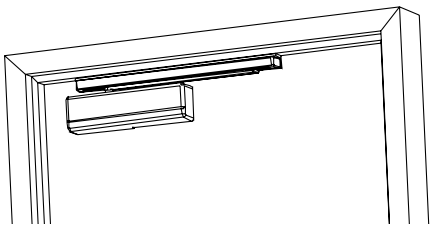
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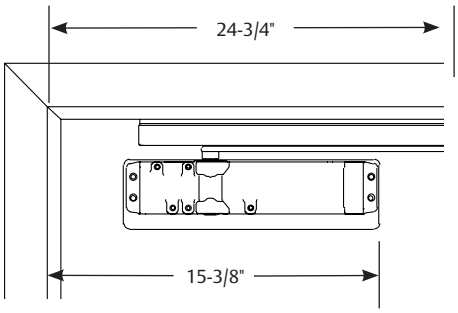
Push Side Track Type Applications

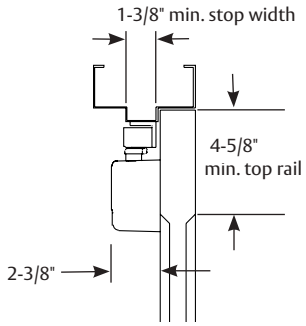
422 Series

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Push Side Mounting (Stop Side)







The push side application of the 422 cam closer provides the most aesthetically pleasing appearance of any surface mounted closer. With both the closer and compact track tucked under the door frame, the 422 closer in the push application almost disappears into the opening. In this application, the closer body mounts to the face of the door and the track mounts to the soffit under the frame. All cam action closers are equipped with a short track further minimizing the appearance of the closer.

422-PCTB2

- Bumper stop track
- Maximum door swing 125°
- Adjustable steel stop included in track that provides dead stop positions between 70° and 125°
- Rubber bumper included to cushion door before stop
- Auxiliary stop required for abusive environments
- Closer body is non handed
- 4-5/8" minimum door top rail

422-PCHTB2

- Holder track with bumper
- Maximum door swing 125°
- Adjustable hold open positions between 85° and 120°
- Adjustable bumper provides cushion to stop door after hold open
- Auxiliary stop required for abusive environments
- Closer body is non handed
- 4-5/8" minimum door top rail

Arm & Track	Description/Options
422–PCTB2	Push with Bumper
422–PCHTB2	Push with Holder and Bumper

Consult factory if door weight exceeds 250 lbs.

Track

- One piece extruded aluminum track
- End caps finished to match track
- Non handed

Arm

- Forged steel
- Oiled bronze bearing in roller
- Non handed

Bumper

- Mounts in track to assist backcheck
- Auxiliary stop is required in abusive requirements
- Available for both regular or hold open tracks

Holder (Optional)

- Mounts within the track (adjustable)

Finishes

POWDER COAT

- EAB, EB, ED, EN and EP powder coat finishes available.

Plated Hardware Finishes:

- Metal covers are available in plated finishes. Arms, tracks and track covers are not available plated.

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Architectural Specifications

422 Series

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Architectural Specifications

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Closers shall be of the cam and roller design with independently controlled closing, latch and backcheck.
3. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. The one piece closer body shall be manufactured of high-performance cast aluminum silicon alloy.
6. Arm shall be finely finished heavy duty forged steel.
7. Closer covers shall be of high impact plastic material of flame retardant grade, secured by machine screws.
8. Projection of closer body from door shall not exceed 2-3/8" with standard cover.
9. Specify desired options such as: Metal Cover (MC-), Security Screws (36-) or Through-bolting (TB-).
10. Closers should have two pressure relief valves (opening and closing cycles).
11. All closers to have a 10 year limited warranty.
12. Closers must comply with UL 10C Positive Pressure Fire Test.

General Information

Special Conditions

The SARGENT Website (www.sargentlock.com) contains templates for all standard applications of SARGENT Door Closers with SARGENT overhead door holders. To ensure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of an unusual door, frame and/or hinge condition where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the maximum door opening angle to SARGENT engineering department.

Note: The UL 10c listing is void for door closers with a hold open feature that does not have an automatic release.

CAUTION: Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

Through-bolting and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, through-bolts will be furnished with mortise nuts
- Through-bolting for 2-1/4" (57mm) thick hollow metal doors require bridge type reinforcement to prevent collapse of top rail when through-bolts are tightened

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How to Order

422 Series

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How to Order

36-	422	CTHB	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
36- MC- SG- TB-	422	CTB2 CTHB2 PCTB2 PCHTB2	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE* 10BL* 15* 20D* 26* 26D*	LH RH

*Handed metal cover is available in plated finishes.

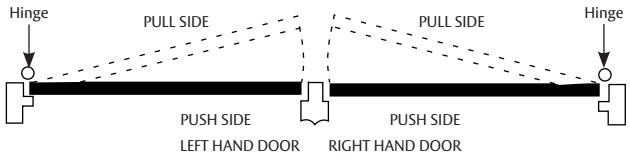
Notes: Lead Line Covers are available
How to Order: 422 x CTHB x EN x RH x Lead Line Cover.
Orders will be handled as "special".

Options Available

Specify	Detailed Description
36-	Security Torx Screws
MC-	Handed Metal Cover
TB-	Through Bolt (1-3/4" Std) For others, specify TB- & door thickness

Note:

- The MC- option is also used when a metal cover is desired
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms and tracks will be powder coated to match



422 CLOSER BODIES ARE NON HANDED

How To Order Accessories

	Example
For individual parts and assemblies, please check the price book for availability and pricing.	
Cover for 422 & 1431 closers	Specify: 422C x finish
Metal Cover for 422 & 1431 closers	Specify: 422CMC x finish x hand
Closer Body only	Specify: CB-422

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item
Note: 422 and 1431 are identical covers and are interchangeable.

Finish Options

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

1431 Series

Powerglide® Door Closer



Experience a safer
and more open world

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1431 Series Powerglide®

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The 1431 line of surface mounted door closers has been engineered to meet the demands of architects and building owners. The 1431 Series is a complete line of closers for interior and exterior doors with quality and flexibility to meet virtually every application.

Primary Closer Arm Identification Letters

O	Standard Arm
H	Hold Open Arm
Z	Deep Reveal Arm 2-1/8" to 5"
ZA	Extra Deep Reveal Arm 5-1/8" to 8"
P	Parallel Arm or Push Side
S	Arm with Positive Stop
C	Arm with Positive Cushioned Stop "C" is always accompanied by an "S" (Stop)

Note: Often more than one letter is used to describe one type of arm

Underwriters' Laboratories Listing

All SARGENT Powerglide® Door Closers are listed by the Underwriters' Laboratories, Inc. as follows:
"For Self-Closing Doors Without Hold-Open Feature"
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

c UL us LISTED

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On The Cover

- SARGENT 1431 Door Closer with US26 plated O arm and metal cover

General Information

1431 Series Powerglide®

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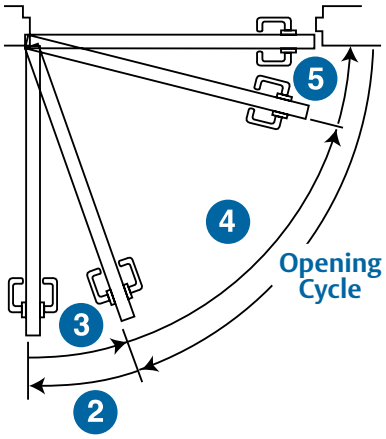
1 Closer Spring Adjustment (not shown)

- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required, Backcheck cannot be used as a stop

Door Closer Cycle



3 Delayed action valve (Optional)

- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial when moving carts or objects thru door opening and ADA applications

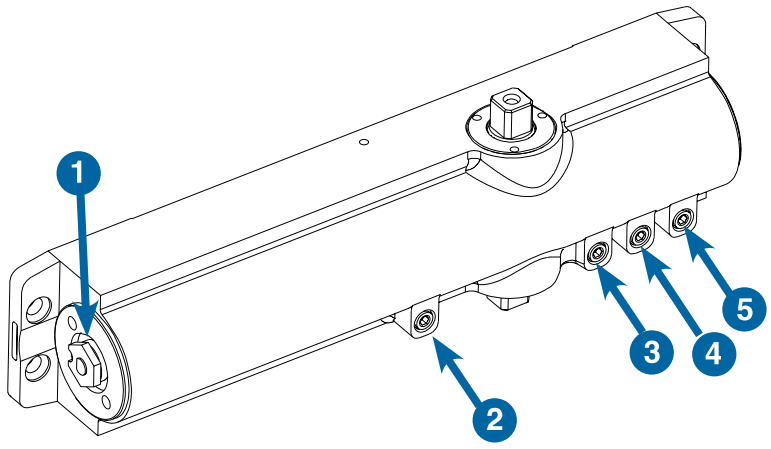
4 Closing speed valve

- Controls how fast the door closes to approximately 8" from the closed position

5 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the Closer spring
- **Note:** This adjustment is critical for door latching

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.



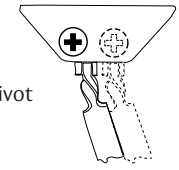
ANSI Standards

ARM	TYPE	ARM	TYPE
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

Arm Leverage Adjustment

Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



How to Select the Proper Closer

Things to Consider

1. Size and Weight of Door
The 1431 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights. **Consult factory if door weight exceeds 250 lbs.**

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

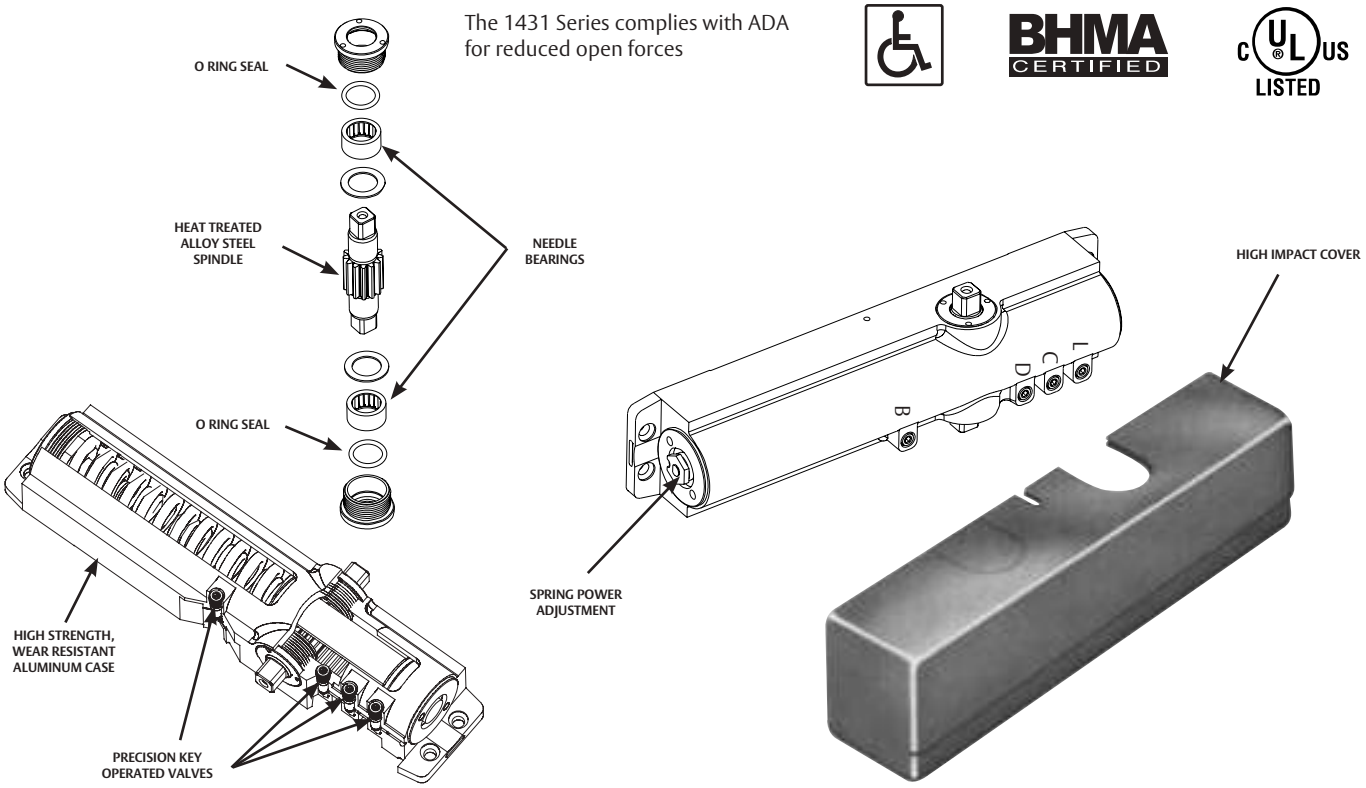
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Features and Benefits

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The 1431 Series complies with ADA for reduced open forces



Features

- Exceeds 15 Million cycles
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL / cUL listed for use on fire rated doors
- 30-year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 1431 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications. All 1431 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door and frame from damage caused by abuse
- Retrofits existing SARGENT 1230/1231 Series Closer installations

Heavy Duty Construction

- Heat treated full rack and pinion for high strength and wear resistance
- Heavy duty one piece high silicon content aluminum alloy body provides corrosion resistance, superior strength and wear resistance
- 1/2" arm engagement over a 7/16 square spindle ensures a wear-resistant tight joint

Fasteners

- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors with through bolts

Valves

- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" Allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

Full Complement of Arm Types

- Standard and parallel arms
- Push and pull track arms
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, and 351 Series. The cold formed arms (RO/RP9) are unique to the 1431 series and not interchangeable with other SARGENT closers

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Standard Applications

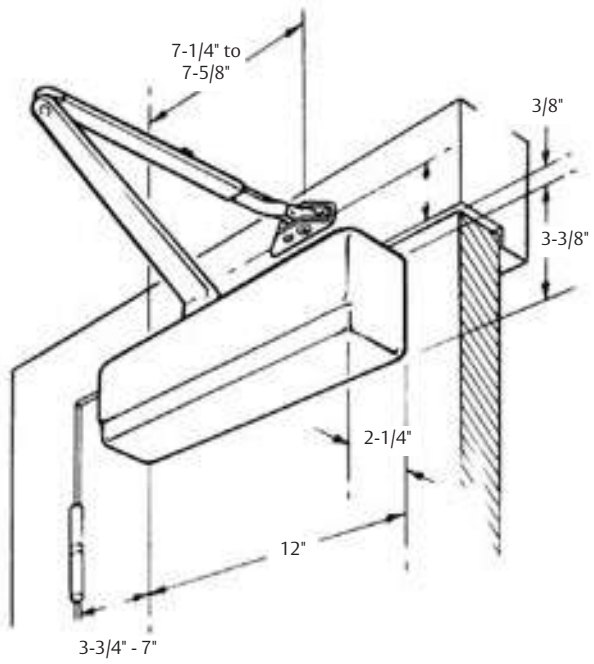
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The standard application of the 1431 door closer is the most common and the most desirable. The closer mounts on the hinge (pull) side of door (except when the W Corner Bracket is used). **Note:** This application is not recommended on exterior doors swinging out, since the closer is not protected from weather. The cover projection normally limits the door opening to a maximum of 160°.

1431-O Standard Application



1431 Standard Application for:

- Interior Doors Opening In or Out
- Exterior Doors Opening In

1431 Standard Application Door Opening Range

(Range based on Mounting Position)

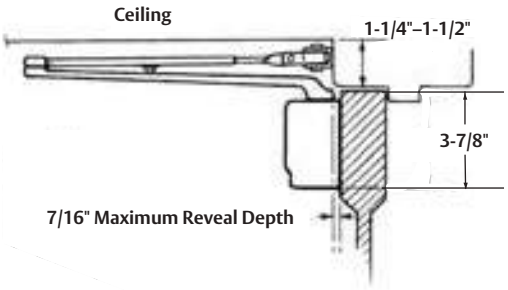
- O & RO Standard Arms: 120°–180°
- H- Hold Open Arm: 90°–180°

Consult factory if door weight exceeds 250 lbs.

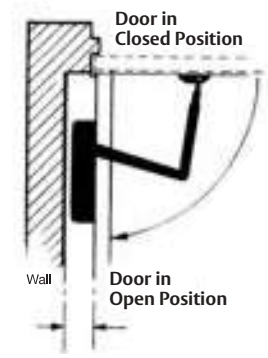
OLC - Low Ceiling Application Arm for Ceiling to Door Clearance of 1-1/4" – 1-1/2"

Door Top Rail Requirement

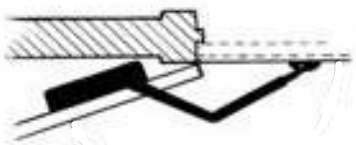
- 2-5/8" min. rail (116mm)
- For Top Rails less than 3-3/4" with window opening, the 1431-J Cover Plate is recommended



Wall Clearance Requirement



2-3/8" MIN SPACE
(60mm)



Cover Projection normally limits door opening to 160°

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Arms and Accessories for Standard Applications

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O - Standard Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

For arm only, order as 25-O x finish
Includes: 63-2607 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

RO Regular Arm



- Cold Formed Steel Arm 11-1/4 (286mm) long
- For reveal depths up to 2" (51mm)
- Arm is not handed
- Permits 180° door opening

For arm only, order as 25-RO x finish
Includes: 63-3396 -Main arm and link assembly
63-2216 -Foot assembly
64-2407 Screw pack

H - Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

For arm only, order as 25-H x finish
Includes: 63-3070 - Main arm and swivel assembly
61-2303 - Foot assembly
64-2407 - Screw pack

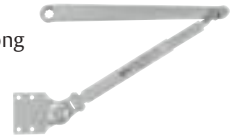
O8 - Mortise Foot Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

For arm only, order as 25-O8 x finish
Includes: 63-2607 - Main arm and link assembly
63-2273 - Foot assembly
64-2407 & 63-2391 - Screw packs

H8 - Mortise Foot Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

For arm only, order 25 R-H8 x finish for right hand or 25 L-H8 x finish for left hand
Includes: 63-3070 - Main arm & link assembly
63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2290RH - Foot assembly
64-2407 & 63-2391- Screw packs

OLC - Standard Arm for Low Ceiling



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Must be used when the distance between the top of door to ceiling is less than 1-1/4" (32mm)
- Permits 120° door opening with standard mounting

For arm only, order as 25-OLC x finish
Includes 63-2549 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

UH Package

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications



Screw packs
64-2407 & 63-2391

125-PH9



UO/RUO Packages

- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications



Screw packs
64-2407 & 63-2391



125-P9

1431-W Corner Bracket



- Fastens securely to both the head and jamb
- Malleable iron, painted to match closer finish
- Non-handed
- Requires 1-1/4" (32mm) minimum wide stop
- Order as 1431-W x finish

1431-J Cover Plate



- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel. Specify finish.

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Top Jamb Applications

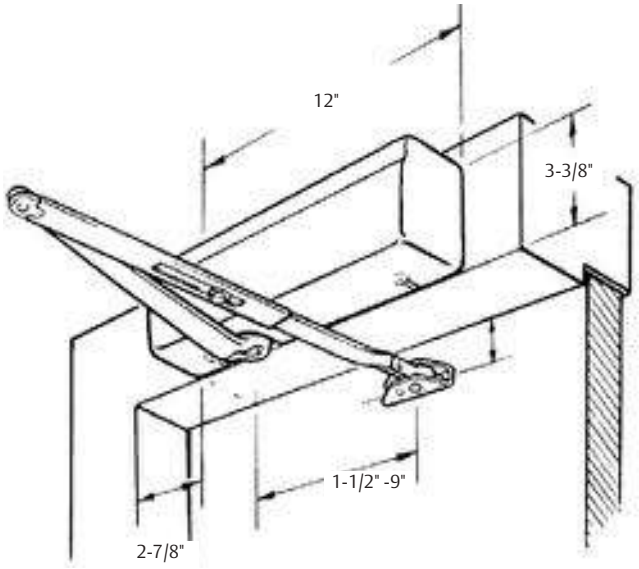
1431 Series Powerglide®

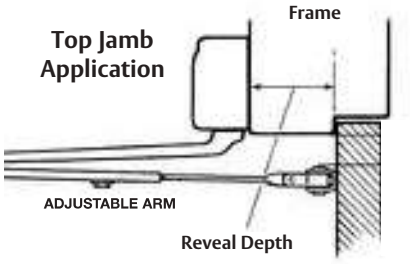
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Top Jamb applications – The 1431 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather.

1431-O Top Jamb Mounting Position





Minimum Frame Face Required

- 1-3/4" (44mm) for both single and double rabbeted frames

Minimum Door Top Rail Required to Mount Closer Foot

- 1-7/8" (48mm) minimum
- Rail height required depends on type and make of auxiliary holder if used

Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

1431-O Typical Reveal Top Jamb Applications

For reveals up to 2" (51mm) maximum

- O or RO Arms - Max. Door Opening: 180°
- H Arm - Hold Open Range: 80° – 180°

1431-OZ Deep Reveal Top Jamb Applications

For reveals from 2-1/8" (54mm) to 5" (127mm)

- OZ Arm - Max. Door Opening: 140°
- HZ Arm - Hold Open Range: 80° – 140°

1431-OZA Extra Deep Reveal Top Jamb Applications

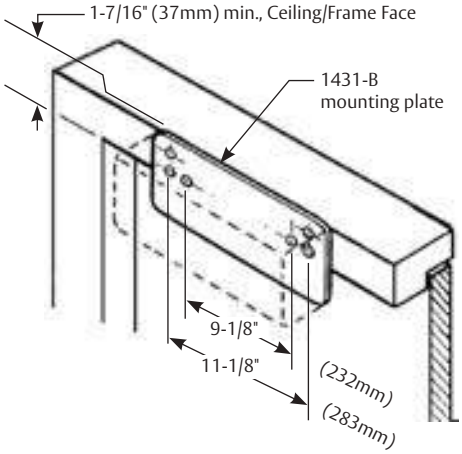
For reveals from 5-1/8" (130mm) to 8" (230mm)

- OZA Arm - Max. Door Opening: 140°
- HZA Arm - Hold Open Range: 80° – 130°

Top Jamb Application for Low Ceilings using 1431-B Mounting Plate



- Required for low ceiling condition and narrow face frames
- Available w/powder coat or plated finish to match cover
- Non-handed
- Plate mounting screws included
- Order as 1431-B x finish



Consult factory if door weight exceeds 250 lbs.

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Arms for Top Jamb Applications

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Narrow Reveal Arms

O - Standard Arm



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Non-handed
- Permits 180° door opening

For arm only, order as 25-O x finish
Includes:
63-2607 - Main arm and link assembly
63-2216 - Foot assembly
64-2407 - Screw pack

RO Regular Arm



- Cold Formed Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

For arm only, order as 25-RO x finish
Includes:
63-3396 - Main arm and link assembly
63-2216 - Foot assembly
24-2407 - Screw pack

H - Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals up to 2" (51mm)
- Adjustable friction holder
- Non-handed
- Permits 180° door opening

For arm only, order as 25-H x finish
Includes:
63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

Deep Reveal Arms

OZ - Standard Arm for Deep Reveals



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Non-handed
- Permits 140° door opening

For arm only, order as 25-OZ x finish
Includes:
63-2607 - Main arm and link assembly
63-2217 - Foot assembly
64-2407 - Screw pack

HZ - Hold Open Arm for Deep Reveals



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals from 2-1/8" (54mm) to 5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

For arm only, order as 25-HZ x finish
Includes:
63-2230 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

Extra Deep Reveal Arms

OZA - Standard Arm for Extra Deep Reveal



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Non-handed
- Permits 140° door opening

For arm only, order as 25-OZA x finish
Includes:
63-2607 - Main arm and link assembly
63-2218 - Foot assembly
64-2407 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal



- Forged Steel Arm 11-1/4" (286mm) long
- For reveals 5-1/8" (130mm) to 8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

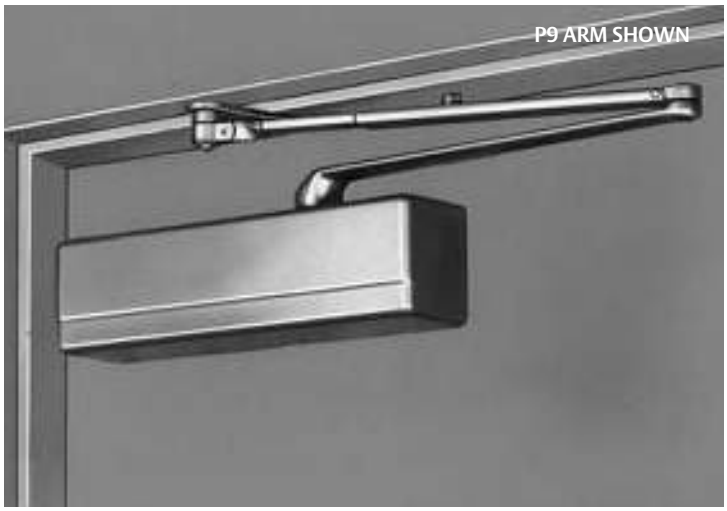
For arm only, order as 25-HZA x finish
Includes:
63-2231 - Main arm and link assembly
61-2303 - Foot assembly
64-2407 - Screw pack

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Parallel Arm Applications

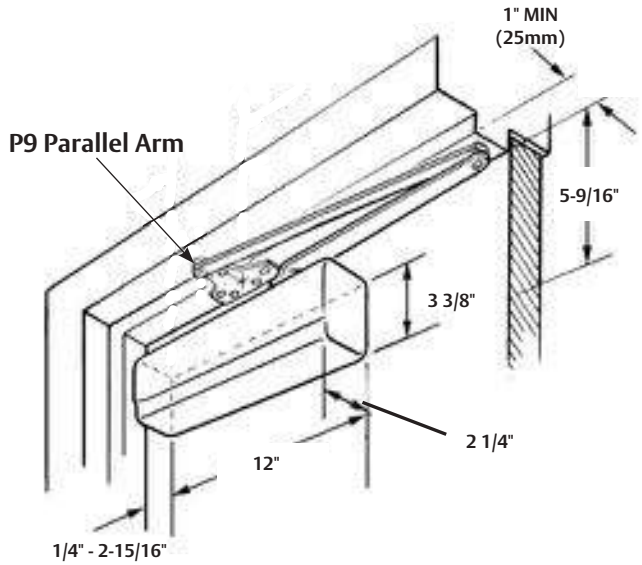
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Parallel Arm Applications – The 1431 closer is mounted on the push side of the door with the arm under the frame parallel to the face of the door. This application is well suited for narrow face frames and deep reveal applications. The closer arm does not project into the room, and the door can be swung open much farther than in Top Jamb Application.

1431-P9 Regular Parallel Arm Application



Heavy Duty Parallel Arms

For use in high traffic and abusive environments

- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Use positive stop hold open arms for doors subject to frequent hold open use
- Dead stop and compression stop arms available

Non hold-open arms

- Two mounting positions for 120° and 180° maximum door openings

Stop arms

- 6 mounting positions allow stop from 85° – 110°

Positive stop hold open arms

- 6 mountings provide hold open positioning from 85° – 110°

Friction hold open arm

- Two mountings provide adjustable hold open positions from 75° – 180°

Regular Duty Parallel Arms

Available Arms for institutional installations:

- Regular Duty Parallel Arms
- Offset Bracket Arms for use with Auxiliary Holders & Stops
- Parallel flush frame arms
- Flush frame arms for use with Auxiliary Holders & Stops
- Flush frame, friction hold open arms
- Friction hold open arms
- Use friction hold open arms for doors subject to moderate hold open use

Standard Mounting Position

- 120° Maximum door opening
- Holding range of friction hold open arms: 75° – 110°

Alternate Mounting Position

- Maximum door opening: 180°
- Holding range of friction hold open arms: 85° – 170°

Consult factory if door weight exceeds 250 lbs.

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Heavy Duty Parallel Arms

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P10 - Heavy Duty Parallel Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

For arm only, order as 25-P10 x finish
Includes: 63-0641 - Main arm
63-3727 - Arm and bracket assembly
64-2407 & 63-2392 - Screw packs

PS - Heavy Duty Parallel Arm with Positive Stop



- Forged Steel Arm 11-1/4" (286mm) long
- Handed arm is field-reversible
- Provides built in stop from 85° – 110°
- Permits 110° opening maximum
- Easily installed
- Permits 85° – 110° door opening

For arm only, order as 25-PS x finish
Includes: 63-0641 - Main arm
63-3837 - Arm and bracket assembly
64-2407 & 63-2392, 63-2396 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop



- Forged Steel Arm 11-1/4" (286mm) long
- Provides built in compression stop from 85° – 105°
- Permits 105° opening maximum
- Easily installed
- Handed arm is field-reversible
- Dead stop within 3°

For arm only, order as 25-CPS x finish
Includes: 63-0641 - Main arm
63-3830 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
64-2407 & 63-2398 - Screw packs

PH10 - Heavy Duty Friction Hold Open Parallel Arm



- Equipped with adjustable friction holder
- Adjustable hold open from 75° – 180°
- Forged steel arm 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

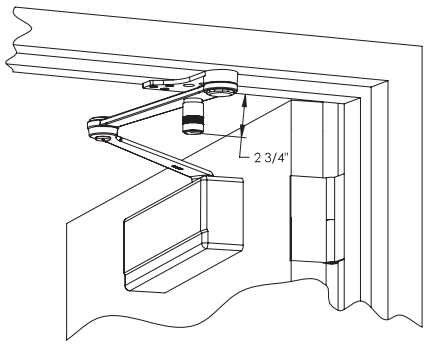
For arm only, order as 25-PH10 x finish
Includes: 63-0641 - Main arm
63-3839 - Left hand arm and bracket assembly
63-3840 - Right hand arm and bracket assembly
64-2407 & 63-2392 - Screw packs

PSH - Heavy Duty Parallel Hold Open Arm with positive Stop



- Provides holder and stop features
- Handed arm is field-reversible
- Easily installed/adjusted
- Permits 85° – 110° door opening

For arm only, order as 25-PSH x finish
Includes: 63-0641 - Main arm
63-3833 - Arm and bracket assembly
64-2407 & 63-2392, 63-2396 - Screw packs



The PSH and CPSH arms project 2 3/4" below the head stop

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop



- Forged Steel Arm 11-1/4" (286mm) long
- Handed arm is field-reversible
- Provides built in compression stop and holder mechanism from 85° – 105°
- Easily installed/adjusted
- Permits 105° opening maximum
- Dead stop within 3°

For arm only, order as 25-CPSH x finish
Includes: 63-0641 - Main arm
63-3836 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
64-2407 & 63-3487 - Screw packs

Positive Stop Hold Open Arms (PSH & CPSH ARMS)

- Use on doors subject to repetitive hold open use
- 6 hold open angle installation
- Hold open function may be disengaged
- Hold open tension is easily adjustable

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Regular Duty Parallel Arms

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Hold Open Arms

PH4 - Flush frame, Friction Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket

For arm only, order as 25-PH4 x finish
Includes: 63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0050 - Foot bracket
64-2407 & 63-2391 - Screw packs

PH9 - Friction Hold Open Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed

For arm only, order as 25-PH9 x finish
Includes: 63-3070 - Main arm and link assembly
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
64-2407 & 63-2391 - Screw packs

Offset Bracket Arms

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed

For arm only, order as 25-P3 x finish
Includes: 63-2607 - Main arm and link assembly
63-2270 - Foot assembly
64-2407 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed

For arm only, order as 25-P3A x finish
Includes: 63-2607 - Main arm and link assembly
63-2274 - Foot assembly
64-2407 & 63-2391- Screw packs

P4 - Parallel Flush frame Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Foot bracket is attached to frame or transom face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed

For arm only, order as 25-P4 x finish
Includes: 63-2607 - Main arm and link assembly
63-2295 - Foot assembly
64-2407 & 63-2391 - Screw pack

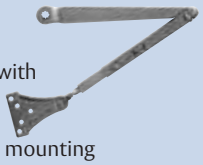
P4A - Flush Frame Arm for use with Auxiliary Holder/Stop



- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed

For arm only, order as 25-P4A x finish
Includes: 63-2607 - Main arm and link assembly
63-2272 - Foot assembly
64-2407 & 63-2391 - Screw packs

RP9 Regular Arm



- Cold Formed Steel Arm 11-1/4" (286mm) long
- Arm is not handed
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting

For arm only, order
Includes: 63-3396 - Main arm and link assembly
63-2271 - Foot assembly
64-2407 & 63-2391 Screw Packs

P9 - Standard Parallel Arm



- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed

For arm only, order as 25-P9 x finish
Includes: 63-2607 - Main arm and link assembly
63-3405 - Foot assembly
64-2407 & 63-2391 - Screw packs

UO/RUO Packages



- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application

Screw packs 64-2407 & 63-2391

125-P9

UH Package



- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications

Screw packs 64-2407 & 63-2391

125-PH9

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Accessories for Parallel Applications

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Heavy Duty Parallel Accessories

581-2 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws
- Use P/N 64-0157 to order blade stop only

125-V/125-VF Brackets



125-V



125-VF

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames



Regular Duty Parallel Accessories

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel Arm



125-P3A Arm Conversion Unit

- Converts O or P9 Arm to P3A Parallel Arm



125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm



125-P4 Conversion Unit

- Converts O or P9 Arm to P4A Arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A Arm



581-1 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

Miscellaneous Accessories

1431 J Cover Plate

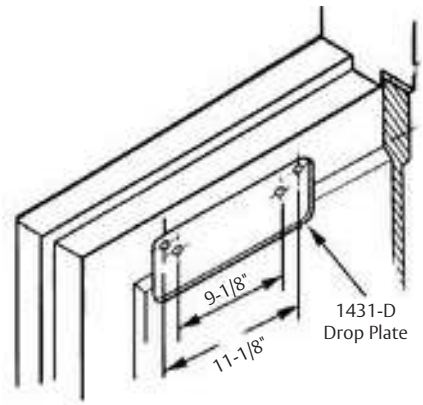


- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel

1431 Drop Plate



- Required for parallel arm applications with top rails less then 5-3/4"
- Requires 3" (76mm) minimum top rail
- Available with powder coat or plated finish to match closer
- Non-handed – Plate mounting screws included
- Order as 1431-D x finish



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Track Type Applications

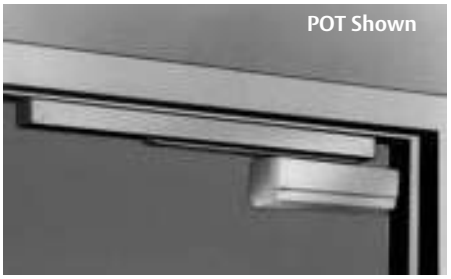
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Pull Side Mounting (Hinge Side)



Push Side Mounting (Stop Side)



1431 Track Type Closer – Offers the most decorative door closer providing a clean unobstructed appearance without the cost of concealed closers and tracks. With versatile mounting options on either side of the door, the 1431 track type closers are a favorite of interior designers.

OT Track Arm

- Track mounts on frame face "OT"
- Minimum top rail required – 2-3/8"
- Mounting plates cannot be used for this application

Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track
- 180° with ideal conditions for standard track

Hold Open Range

- 85° – 120°

POT Track Arm

- Track mounts on frame stop "POT"
- Minimum top rail required without drop plate: 4-3/4" (121mm)
- With 1431D Drop Plate 3" (76mm)

Maximum Door Opening

- 100° with standard track
- 95° with optional bumper track

Hold Open Range

- 85° – 95°

Minimum Stop Required

- 1-9/16" (40mm) wide

OD Double Egress Arm



- Forged steel arm
- Handed
- Special frame profile required
- Available with Holder Option (HD) and Bumper Option (B)
- 160° maximum door opening
- 120° opening with bumper option
- Range of hold open 85° – 120°
- Used with reveals 3" – 4" (76mm-102mm)

Order as 25-OD x finish for track and arm assembly
Includes: 63-2447 - Track assembly
63-3656 - Left hand arm
63-3657 - Right hand arm

Track

- Extruded aluminum track
- End caps finished to match track

Arm

- Forged steel
- Bearing roller

Bumper (Optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

Holder (Optional)

- Mounts within the track (adjustable)

Finishes

- EAB, EB, ED, EN, EP powder coat on all exposed surfaces

Arm & Track	Description/Options
1431—OT	Pull
1431—OTB	Pull with Bumper
1431—HT	Pull with Holder
1431—HTB	Pull with Holder and Bumper
1431—OD	Pull Double egress (Handed) (Non-standard frame required)
1431—ODB	Pull Double egress with Bumper (Handed) (Non-standard frame required)
1431—HD	Pull Double egress with Holder (Handed) (Non-standard frame required)
1431—HDB	Pull Double egress with Holder and Bumper (Handed) (Non-standard frame required)
1431—POT	Push
1431—POTB	Push with Bumper
1431—PHT	Push with Holder
1431—PHTB	Push with Holder and Bumper

Note: Two mounting applications are available

Consult factory if door weight exceeds 250 lbs.

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Suggested Architect's Specifications, ADA Compliance and General Information

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General Information

Special Conditions

The SARGENT Website (www.sargentlock.com) contains templates for all standard applications of SARGENT Door Closers with SARGENT overhead door holders. To insure a satisfactory installation for other holders, it is recommended that complete details be submitted as follows:

- Type, size and make of holder
- Holding position (maximum door opening)
- Submit holder template being used
- Closer application being used
- Size and type of hinge

In the case of an unusual door, frame and/or hinge conditions where regular products do not meet requirements, submit drawings and complete details specifying the degree of door openings required, the type and size of hinge and the max. door opening angle.

Through-bolting and Mortise Nuts

- When through-bolting is ordered, factory will furnish mortise nuts for use with the machine screws furnished with the closer
- Nuts are sized to accommodate 1-3/4" (44mm) standard or 1-3/8" (35mm) thick doors when specified on order
- For 2-1/4" (57mm) thick doors, longer through-bolts will be furnished with mortise nuts
- Through-bolting for 2-1/4" (57mm) thick hollow metal doors require bridge type reinforcement to prevent collapse of top rail when through-bolts are tightened

Architectural Specifications

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
3. Full rack and pinion construction.
4. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
5. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck.
6. The one piece closer body shall be manufactured of high-performance cast aluminum silicon alloy.
7. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm)
8. All arms shall be finely finished with heavy duty forged steel main arm.
9. Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
10. All closers shall be suitable for standard, corner bracket, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
11. Closer covers shall be of high impact plastic material of flame retardant grade, secured by machine screws.
12. Projection of closer body from door shall not exceed 2-1/4" (57mm) with standard cover.
13. Closers shall be non-handed to meet a variety of door conditions and design requirements.
14. The spindle shaft shall be sealed hydraulically with an "O" ring.
15. Specify desired options such as: Metal Cover, Security Package, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.
16. Closers should have two pressure relief valves (opening and closing cycles).
17. All closers to have a 30-year limited warranty.
18. Closers should comply with UL 10C Positive Pressure Fire Test.

1431 Designed to Aid the Physically Challenged

The 1431 door closer is designed to meet the opening force requirements established by the American with Disabilities Act (ADA) limiting the opening force to 5 pounds for interior doors and 8 pounds for exterior doors. The closer should be installed using the alternate mounting given on the templates when used on interior doors.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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Door Closer and Overhead Stop/Holder Compatibility Chart

1431 Series Powerglide®

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Introduction to SARGENT Overhead Holders and Stops

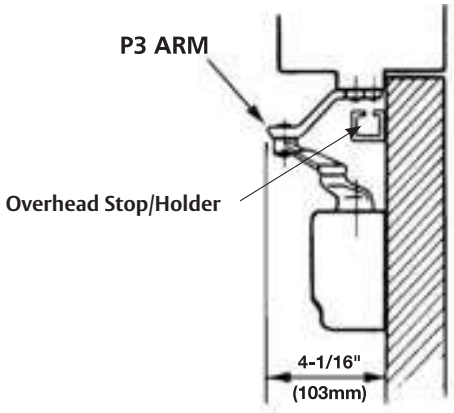
SARGENT overhead holders/stops are designed to protect the door and hardware from the abuse commonly found in commercial and institutional applications. With **four different series** that include **surface** or **concealed**, **standard** or **heavy duty**, SARGENT has a holder/stop for your application.

Overhead holders/stops are the most practical method of stopping a door as well as eliminating unsightly wall stops and dangerous floor stops. Using an overhead holder/stop distributes abusive forces rather than concentrating them toward the hinge. Some door closers are available with incorporated holders/stops. These work well in most cases, but when subjected to continuous abuse can lead to frame and hinge failure. SARGENT overhead holders/stops are designed and manufactured for years of service and come with a 5 year warranty.

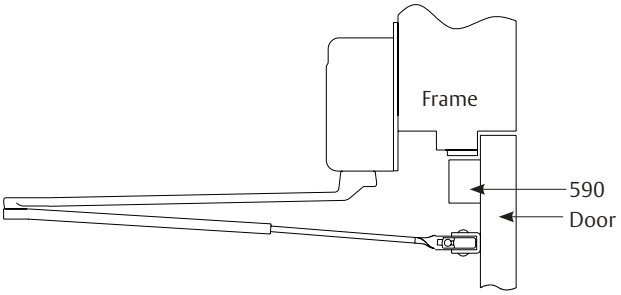
Frequently Used Overhead Stops used with the 1431 Series

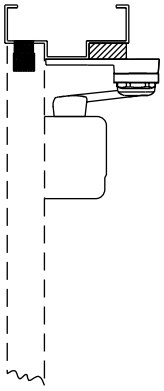
- **Standard Door Closer Applications (PULL SIDE MOUNT) Not Shown**
  - **590** Series with 1431 Series "O" Arm
  - **690** Series with 1431 Series with "O" Arm
  - **1530** Series with 1431 Series with "O" Arm
  - **1540** Series with 1431 Series with "O" Arm
- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**
  - **590** Series with 1431 Series "P3" Arm
  - **690** Series with 1431 Series with "P9" Arm
  - **690** Series with 1431 Series with "P10" Arm
  - **1530** Series with 1431 Series with "P9" Arm
  - **1530** Series with 1431 Series with "P10" Arm
  - **1540** Series with 1431 Series with "P3" Arm
- **Parallel Arm Door Closer Applications Used with a Flush Frame**
  - **590** Series with 1431 Series "P4" Arm
  - **690** Series with 1431 Series with "P4" Arm
  - **1530** Series with 1431 Series with "P4" Arm
  - **1540** Series with 1431 Series with "P4" Arm
- **Top Jamb Applications**
  - 590, 690, 1530, 1540 Series with 1431 Series with "O" OZ or OZA Arm

1431-P3 shown w/1548S



1431 0Z shown w/597S





Note: This chart is only a quick reference. Some applications may require the use of a 145 or 195 angle bracket

For applications not shown, refer to the SARGENT Overhead Holders & Stop catalog

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How to Order

1431 Series Powerglide®

SARGENT ASSA ABLOY

Packing

All closer assemblies are packaged 4 per carton. On request, door closers will be packed 2 per carton.

Series	Number per Carton	Approx. wt per Carton
1431	4-Standard (2 upon request)	19 lbs. per 4

How To Order

CPC-DA	1431	P4H	26	LH
Options	**Series**	**Closer Arm**	**Finish**	**Hand**
31- 36- 74- CPC DA- MC- SG- TB-	1431	Standard Page 6 Top Jamb Page 8 Parallel Pages 10 & 11 Track Type Page 13	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP WSP	LH RH

* These finishes are automatically provided with a metal cover

Options Available

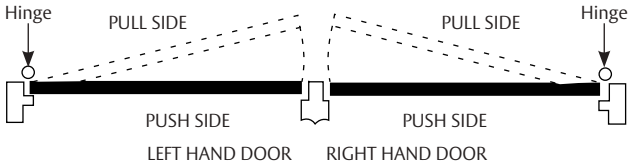
Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws supplied for all exposed fasteners
74-	Lead lined cover
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
MC-	Handed Metal Cover
TB-	Through Bolt (1-3/4" Std) For others, specify 31-TB- & door thickness

Note:

- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC option if both the cover and arms are to be plated

NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.



How To Order Accessories

Example		
Arm only	Specify 25-, arm required and finish	25-PSH EN
Body only	Specify CB-1431 (Option DA- available)	CB-1431
Arm conversion Units	Specify unit and finish	125-P9 EB
Cover Only (Standard)	1431-C x finish	1431-C x EN
Cover Only (Metal)	1431-CMC x finish and hand & arm type	1431-CMC x 26D x LH X P-10
Accessories	Specify accessory and finish See applicable catalog section	1431-D EB

When complete closer assembly is ordered with an accessory, order accessory as a separate item

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Finishes

1431 Series Powerglide®

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Finishes

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

1331 Series
Door Closers



Experience a safer
and more open world

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1331 Series Door Closers

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Heavy Duty Parallel Applications....8-9
Accessories....10-11
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How to Order & Packing....13

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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On The Cover

- 1331 JO X EN

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General Information

1331 Series Door Closers

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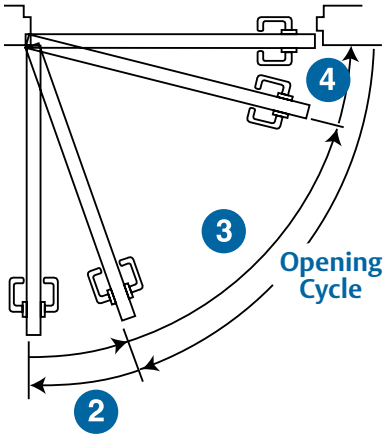
1 Closer Spring Adjustment (not shown)

- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

- At approximately 70° of the open cycle, the backcheck valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the backcheck
- **Note:** A positive stop is required, backcheck cannot be used as a stop

Door Closer Cycle

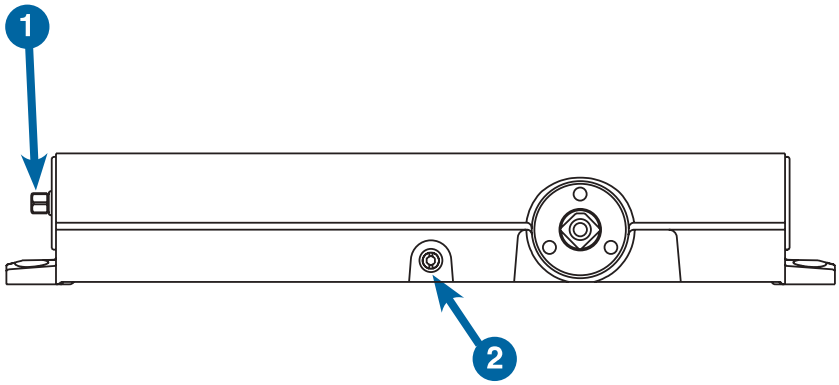


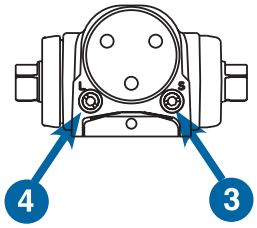
3 Closing speed valve

- Controls how fast the door closes to approximately 8" from the closed position

4 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the closer spring
- **Note:** This adjustment is critical for door latching





How to Select the Proper Closer

Things to Consider

1. Size and Weight of Door
The 1331 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights. **Consult factory if door weight exceeds 250 lbs.**

2. Interior Application
The standard application is the most efficient in terms of power and control.

3. Exterior Application
The top jamb, parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening
Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function
Closers are available with hold-open or positive stop arms.

6. Special Condition
Consult factory when special hinges, overhead holders or other specialized hardware is used.

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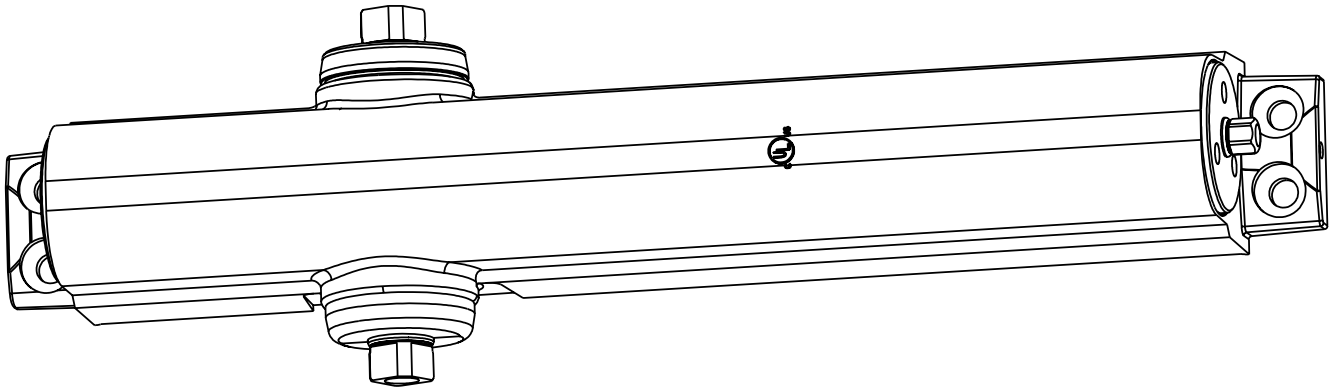
Features, Benefits & Applications

1331 Series Door Closers

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The SARGENT 1331 Series door closer is a Grade 1 fully adjustable closer suitable for new construction and also ideal for renovations.

Available with a full range of arms and accessories, the 1331 Series door closer can be used for most common applications and is ideal for standard duty installations. Common applications include offices, assisted living facilities, hotel guest rooms, public housing and retail establishments.



1331 shown without the standard cover

Strength, Durability and Security

- Meets and exceeds ANSI/BHMA A156.4 Grade 1 requirements
- UL and UL 10C listed
- Complies with ADA requirements and ANSI/BHMA A117.1 and exterior doors
- Adjustable closing force range from size 1 - 6
- High impact full plastic cover secured by machine screws
  - Optional ABS Cover available (consult factory for details)
- One-piece high strength aluminum alloy body
- 1-1/4" diameter piston for enhanced control
- 7/16" square arm engagement for enhanced torque transmission
- Heat treated rack & pinion provides longevity
- Speed Control Valves
  - Separate latching, closing/sweep and back check intensity valves
  - Captured valves are easily adjusted using a standard 1/8" Allen wrench
- Arms and accessories are powder-coated
- 30-year limited warranty, body is date coded

Convenience

- Non-handed closer
- All weather hydraulic fluid
- Easily installed in minutes!
- Easy-to-use instructions
- Mortise nuts available when door condition requires through bolting, specify TB- option
- **Tri Pack or "Universal Packed"** - JUO or JUH (Hold Open). Packages include one extra bracket that gives the installer a choice for installation from Standard, Parallel or Top Jamb applications.

Flexibility

- Retrofits a Falcon/Dor-O-Matic SC 80 and Dorma 8600
- Both machine and self-tapping screws provided
- Universal body is interchangeable for all applications (standard, top jamb & parallel)
- Similar design style to complement the Heavy Duty Powerglide® Series
- Allows door to open a full 180° (trim permitting) with standard arms. Maximum opening angle differs with optional arms and frame conditions.

Applications

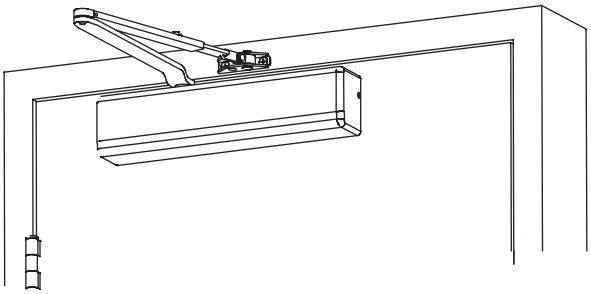
- Office Buildings
- Assisted Living Facilities
- Hotel Guest Rooms
- Public Housing
- Retail Establishments

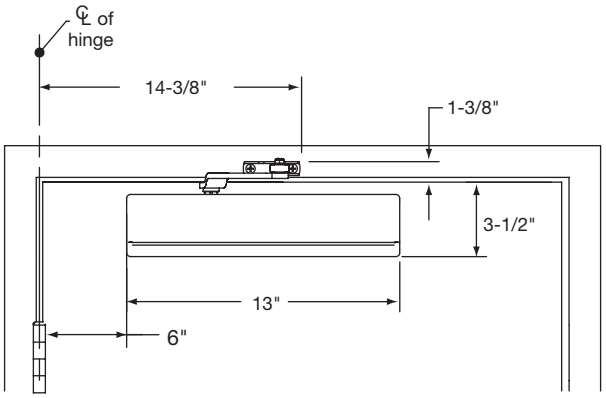
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Standard Applications

1331 Series Door Closers

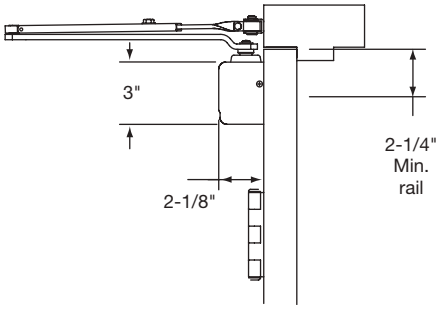
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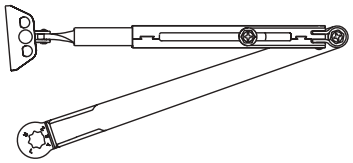


JO Standard Application Illustrated

The JO arm can be used on doors up to 48" wide and 250 lbs. An auxiliary door stop is required. The JH hold open arm is similar and allows for adjustable hold open from 75° to full opening.



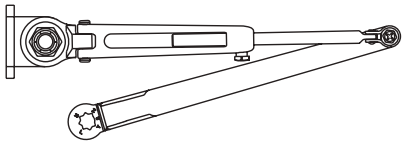
Closer shown templated for 120° max. opening



JO Arm

- Non-hold open

For arm only, order as 25-JO x finish



JH Arm

- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JH x finish

JO and JH arms are non-handed and will allow the door to open 180° (frame and trim permitting)

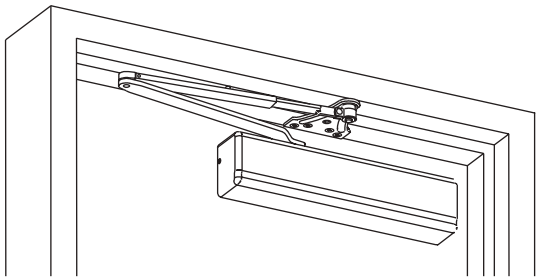
Consult factory if door weight exceeds 250 lbs.

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Parallel Application

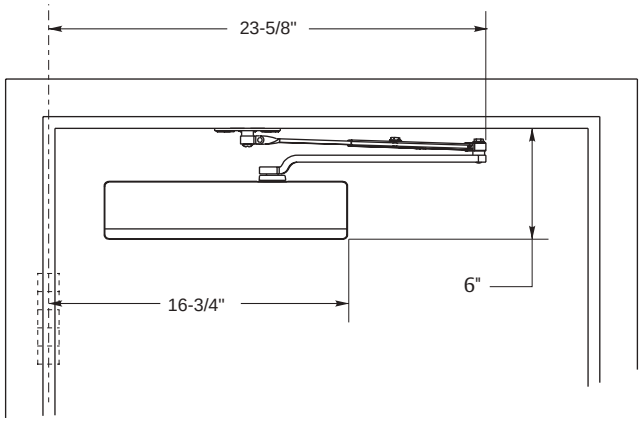
1331 Series Door Closers

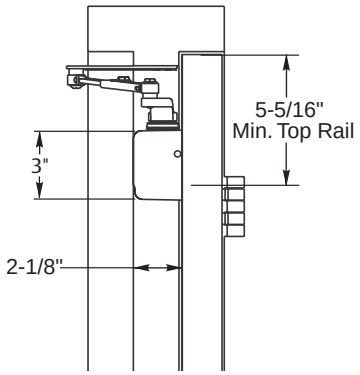
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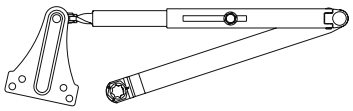
JP9 Parallel Arm Application Illustrated

The JP9 arm can be used on doors up to 48" wide and 250 lbs.
An auxiliary door stop is required. The JPH9 hold open arm is similar and allows for adjustable hold open from 75° to full opening.





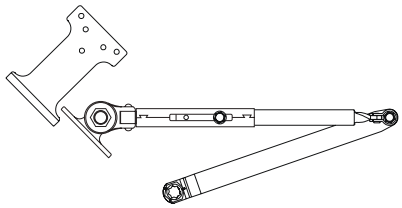
JP9 Arm



- Non-hold open

For arm only, order as 25-JP9 x finish

JPH9 Arm



- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JPH9 x finish

JP9 and JPH9 arms are non-handed and will allow the door to open 180° (frame and trim permitting)

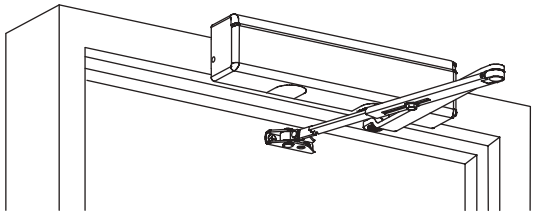
Consult factory if door weight exceeds 250 lbs.

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Top Jamb Applications

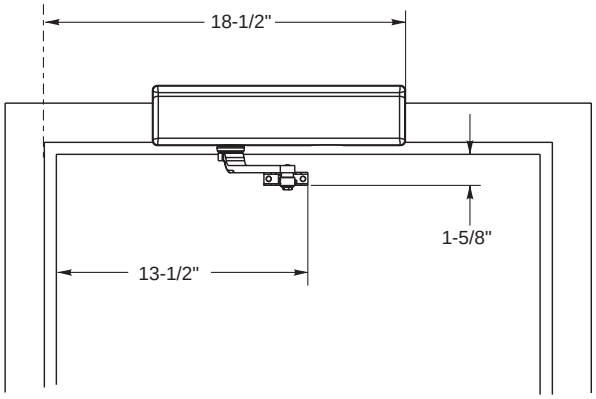
1331 Series Door Closers

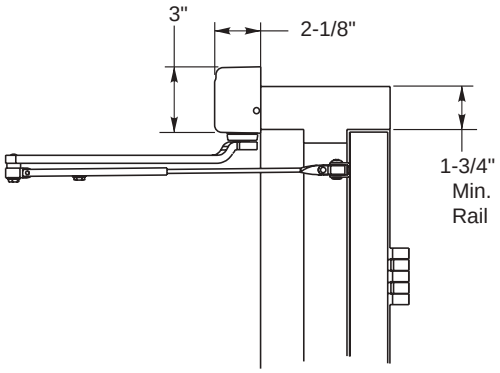
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JO Top Jamb Application Illustrated

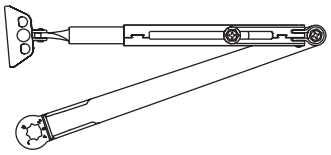
The JO arm can be used on doors up to 48" wide and 250 lbs with reveals less than 3". An auxiliary door stop is required. The JH hold open arm is similar and allows for adjustable hold open from 75° to full opening.





Closer shown templated for 120° max. opening

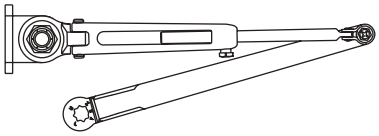
JO Arm



- Non-hold open

For arm only, order as 25-JO x finish

JH Arm

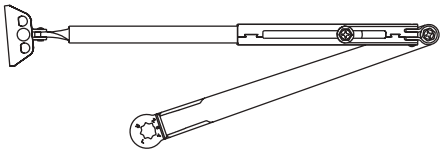


- Hold open
- Hand is changed by inverting the foot assembly
- Holds open from 75° to 180°

For arm only, order as 25-JH x finish

JO and JH arms are non-handed, can be used on applications with less than 2" reveals and will allow the door to open 180° (frame and trim permitting)

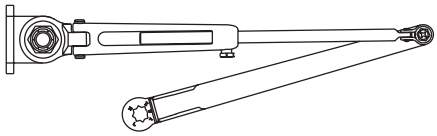
JOZ Arm



- Non-hold open

For arm only, order as 25-JOZ x finish

JHZ Arm



- Hold open
- Hand is changed by inverting the foot assembly

For arm only, order as 25-JHZ finish

JOZ and JHZ arms are non-handed, can be used on applications with reveals 2-3/4" – 6-3/4" and will allow the door to open 180° (frame and trim permitting)

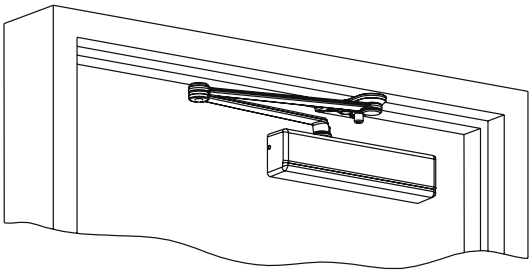
Consult factory if door weight exceeds 250 lbs.

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Heavy Duty Parallel Applications

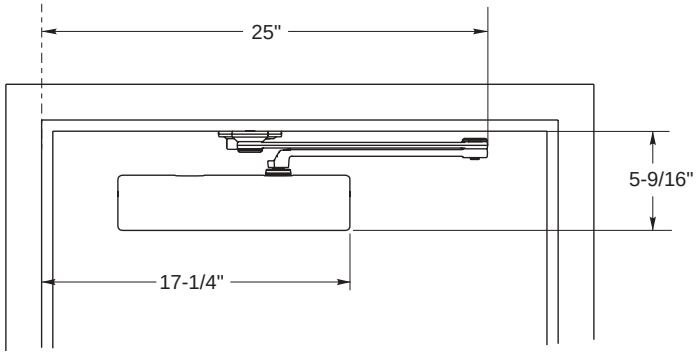
1331 Series Door Closers

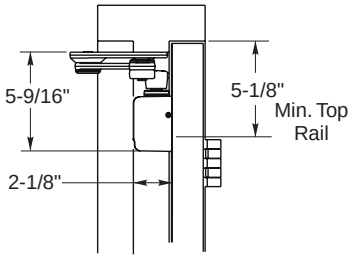
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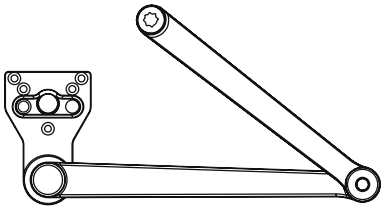
JPS Heavy Duty Parallel Application Illustrated

Heavy Duty arms can be used on doors up to 48" wide and 250 lbs. An auxiliary door stop is required for the JP10 and JPH10 arms. Heavy duty hold open arms are available.





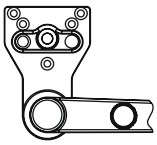
JPS Arm



- Arm includes stop
- Non-hold open
- Maximum door opening 110°

For arm only, order as 25-JPS x finish

JPSH Arm



- Arm includes stop
- Hold open
- Maximum door opening 110°

For arm only, order as 25-JPSH x finish

Consult factory if door weight exceeds 250 lbs.

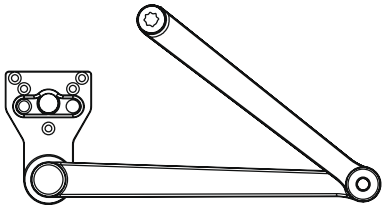
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Heavy Duty Parallel Applications

1331 Series Door Closers

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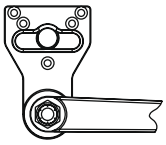
JP10 Arm



- Arm does not include stop
- Non-hold open
- Maximum door opening 180°

For arm only, order as 25-JP10 x finish

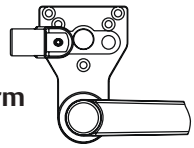
JPH10 Arm



- Arm is handed; specify LH or RH when ordering
- Arm does not include stop
- Hold open
- Maximum door opening 180°

For arm only, order as 25-JPH10 x hand x finish

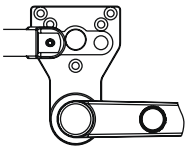
JCPS Arm



- Arm includes spring
- Non-hold open
- Maximum door opening 110°

For arm only, order as 25-JCPS x finish

JCPSH Arm



- Arm includes spring
- Hold open
- Maximum door opening 110°

For arm only, order as 25-JCPSH x finish

All heavy duty arms are non-handed and will allow the door to open 180° (frame and trim permitting)

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Accessories

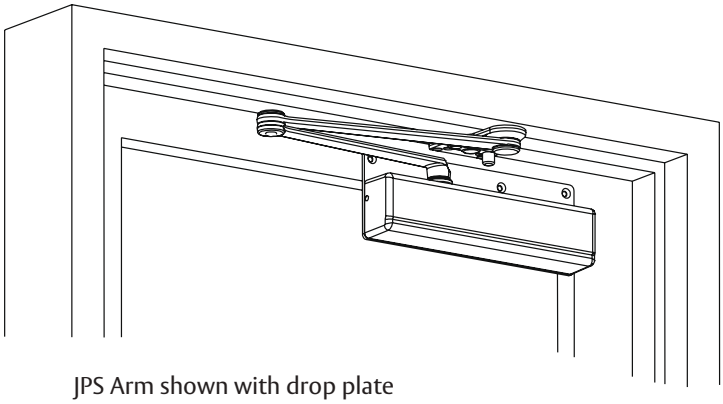
1331 Series Door Closers

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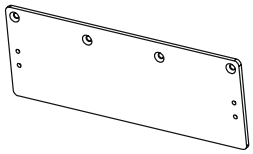
Accessories

1331D Drop Plate — parallel arm application for narrow top rails

The 1331D is required when top rails are less than 5-1/8". A minimum 3" top rail is required.



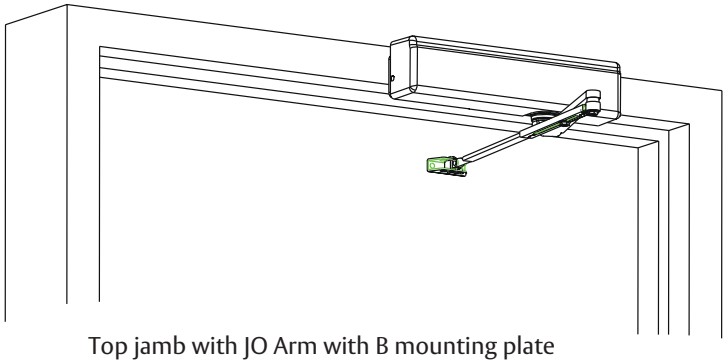
JPS Arm shown with drop plate



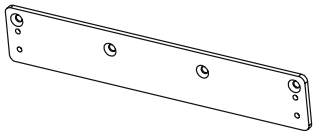
1331B Mounting Plate — used on narrow face frames or on applications that have a low ceiling clearance

Use the 1331B mounting plate if:

- Ceiling clearance is 2" or less or
- Narrow frame face is less than 1-1/2"



Top jamb with JO Arm with B mounting plate



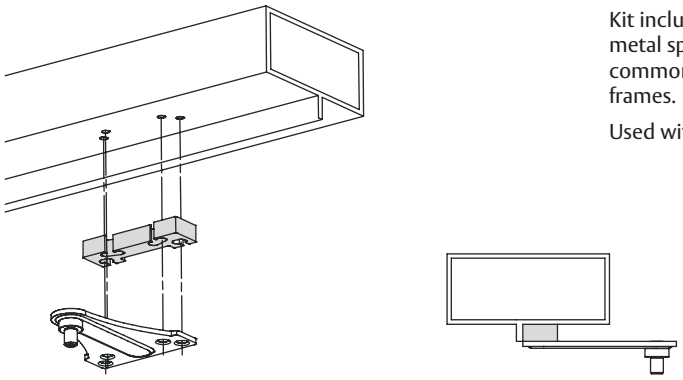
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Accessories

1331 Series Door Closers

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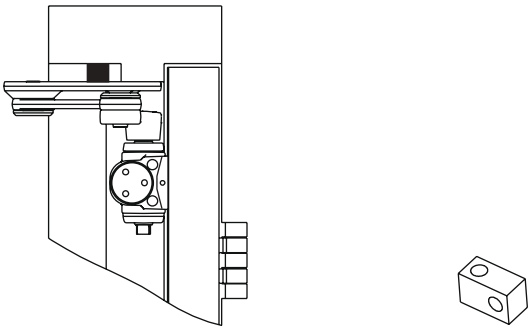
581-1 Blade Stop Kit



Kit includes longer fasteners and 1/2" thick metal spacer for use with 1/2" blade stops commonly found on store front aluminum frames.

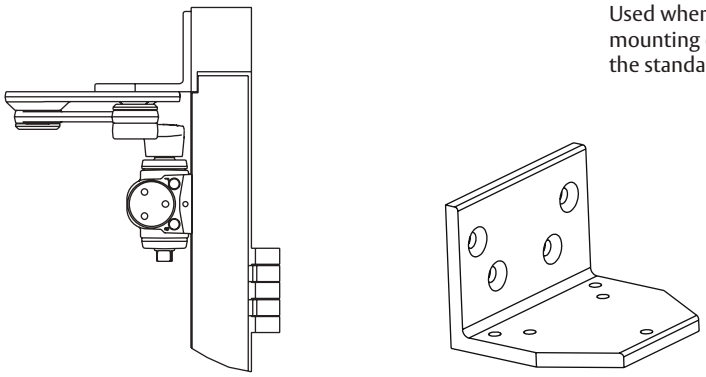
Used with JP9 and JPH9 Arms.

582-1 Spacer Block



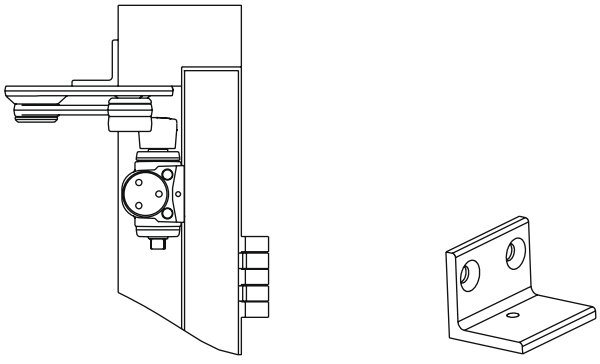
Use where a narrow frame soffit does not provide adequate support for the soffit plate.

125JVF Angle Bracket



Used where flush transom conditions prevent mounting of standard soffit plate. Used with the standard soffit plate.

125JV Support Bracket



Used where the frame is narrow and the soffit plate cannot be mounted directly to the frame soffit or rabbet. Used on frames where the frame stop does not exceed 5/8" in height.

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Architectural Specifications & ADA Compliance

1331 Series Door Closers

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Specifications

2.0 DOOR CLOSERS

A. Door closers shall be 1331 Series as manufactured by Sargent Manufacturing Company.
B. Door closers shall meet ANSI/BHMA A156.4, Grade 1 requirements.
C. Door closers shall be UL listed (US and Canada) for use on fire doors.
D. Door closer shall meet the requirements of UL 10C positive pressure fire tests.
E. Provide closers adjustable from sizes 1 through 6.
F. Closers shall be non-handed to meet a variety of door conditions and design requirements.
G. Closing speed, latching speed and backcheck shall be controlled by separate key operated, captivated valves.
H. Closers shall have heat treated rack and pinion construction.
I. An increase of 15 percent in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm mount)
J. Closer main arms shall be heavy duty steel with powder coated finish.
K. Door closer bodies:
   1. One piece door closer body shall be of high strength aluminum alloy.
   2. Adjustment valves shall be captivated and non-critical.
   3. Closer spindle shaft shall be sealed hydraulically with an “O” ring.
L. Specify desired options such as: Metal Cover, Security Package, (SRI) Special Rust Inhibitor Process (ABC) Advanced Back Check, (TB) Through-bolting, (DA) Delayed Action and Architectural Plated Finishes.
M. Projection of closer body from door shall not exceed 2-3/16" (56mm).
N. Closer covers shall be constructed of high impact plastic material of flame retardant grade, secured by machine screws. Optional ABS covers available.
O. Closer covers shall be of the same style/design of other closers specified for this project.
P. Closers shall be suitable for standard, top jamb, and parallel arm type applications when provided with proper brackets and arms.
Q. Door closers shall have a 30-year limited warranty.

ADA compliance

The 1331 Series is designed to meet the opening force requirements established by the Americans with Disabilities Act for 5 lbs. of opening force for interior doors. The spring power is fully adjustable.

CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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How To Order & Packing

1331 Series Door Closers

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Packing

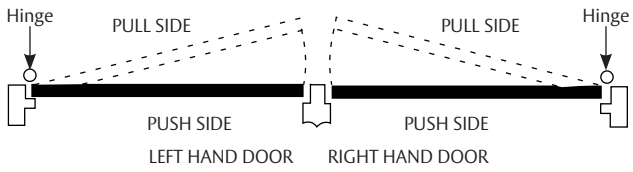
All closer assemblies are packaged 4 per carton.

Series	Number per Carton	Approx. wt per Carton
1331	4-Standard	28 lbs. per 4

How To Order Complete Door Closer

	1331	JO	EB
Options	**Series**	**Closer Arm**	**Finish**
TB	1331	Standard	EB
SRI Special Rust Inhibitor finish for powder coated finishes (closer body only)		Top Jamb	ED
		Parallel	EN
		Heavy Duty Parallel	EP
			EAB
			BSP
			WSP

Note: All arms are unique to the 1331 and are not interchangeable with other series



Special Rust Inhibitor Process (SRI-)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.

NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

How To Order Accessories

		Example
Arm Only (specify 25-)	Specify: 25- arm (JO, JH, JP9, JPH9, JOZ, JHZ, JPS, JPSH, JP10, JP10H, JCPS, JCPSH) x finish	25-JO x EN
Cover (standard) only (specify -C)	Specify: 1331-C x finish	1331-C x EP
Body only (specify CB-)	Specify: CB-1331	CB-1331
ABS Cover (optional) only (specify -CEC)	Specify: 1331-CEC x finish	1331-CEC x EB
Drop Plate – For Parallel Arm	Specify: 1331D x finish	1331D x EP
Mounting Plate (Top Jamb)	Specify: 1331B x finish	1331B x ED
Parallel Arm Bracket	Specify: 125JP9 x finish	125JP9 x EAB (converts JO to JP9)
Parallel Arm Bracket	Specify: 125JPH9 x finish	125JPH9 x EN (converts JH to JPH9)
Mortise Nuts	Specify: 4TB x finish	4TB x EB

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item

Finishes Options

Finishes	ANSI/BHMA	Description
EB	695	Powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
10BE	613E	Dark oxidized satin bronze - equivalent
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

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SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

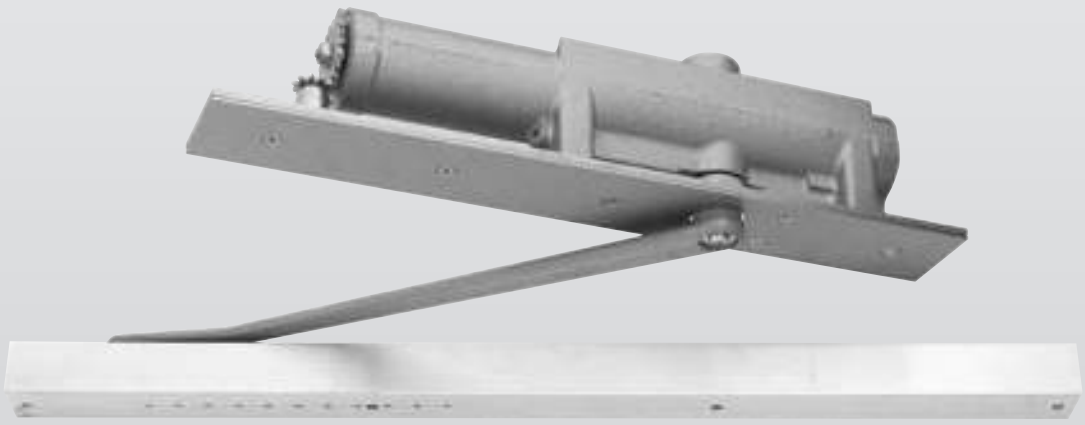
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90123 05/21

Product Catalog

SARGENT
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268, 269 & 278
Concealed Door Closers



Experience a safer
and more open world

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268, 269 & 278 Concealed Door Closers

SARGENT
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The SARGENT line of concealed in frame door closers provide the ultimate in aesthetics and security for door closer installations. Closers are available for interior and exterior applications, overweight doors and for doors that must meet ADA requirements. When security is desired the concealed nature of the 268/269 closer provides a high degree of resistance to abuse since the arm, track and closer is completely concealed when the door is closed. This characteristic also lends itself well to high end architectural openings.

Model	Adjustable Closing Power (BHMA Sizes)	Handed	Arm Type	Delayed Action	Hold open Feature	Fusible hold open Feature	Application
268	1 2 3 4 5 6	Yes	Concealed Track	Option	Optional	N/A	Interior Doors
269	1 2 3 4 5 6	Yes	Concealed Track	Option	Optional	N/A	Exterior or Heavy Interior Doors
278	1 2 3 4 5 6	No	Exposed Double Lever	N/A	Option	Option	Exterior or Interior Doors

Consult factory if door weight exceeds 250 lbs.

ANSI Applications

SARGENT	ANSI
268-O, 269-O	CO5031& CO5041
268-H, 269-H	CO5111
278-H	CO5091
278-OE	CO5011

Underwriters' Laboratories Listing

All SARGENT 268, 269 & 278 Door Closers have been listed by the Underwriters Laboratories, Inc. as follows:

"The SARGENT 268 door closer cannot be used on Fire Rated Wood Doors"

"For Self-Closing Doors Without Hold-Open Feature"

278 ONLY: "For Automatic Doors With Hold-Open Arm Embodying Fusible Link Release"

Complies with UL 10C Positive Pressure Fire Test.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

On The Cover

- SARGENT 268-O Concealed Door Closer with Standard Arm

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General Information

268, 269 & 278 Concealed Door Closers

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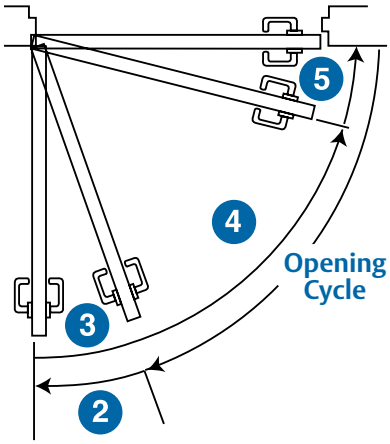
1 Closer Spring Adjustment (not shown)

- Not shown in door closer cycle diagram
- Affects the entire cycle of the door closer movement
- Used to size closer for application requirements (1 through 6)
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- **Note:** A Positive stop is required, Backcheck cannot be used as a stop

Door Closer Cycle



3 Delayed action valve (optional)

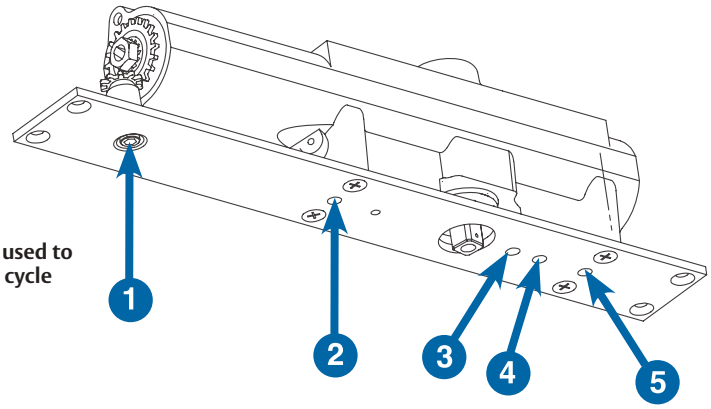
- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- Beneficial when moving carts or objects thru door opening

4 Closing speed valve

- Controls how fast the door closes to approximately 8" from the closed position, along with the closer spring

5 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- The force, the door closes with is controlled by Closer spring
- **Note:** This adjustment is critical for door latching



Valve locations used to adjust the door cycle

Suggested Architect's Specification for the 268, 269 & 278 Powerglide® Door Closer

1. All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
2. Full rack and pinion construction.
3. Closing speed, latching speed and backcheck shall be controlled by key operated valves.
4. Delayed action feature shall be available and controlled by a separate valve. Delayed action shall be available in addition to, not in lieu of, backcheck. (Not available with 278 Closers).
5. The one piece closer body shall be of close grained porous free cast iron.
6. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (278 Only).
7. All arms shall be finely finished with heavy duty forged steel main arm.
8. The spindle shaft shall be sealed hydraulically with an "O" ring.
9. The 268, 269 door closer shall be mounted overhead and concealed with no exposed surfaces when door is in closed position.
10. The 278 closer shall have a fully overhead concealed body with exposed forged steel arm.
11. Closers should have two pressure relief valves standard (opening and closing cycles).
12. All closers to have a 10 year limited warranty.
13. Closers comply with UL 10C Positive Pressure Fire Test.

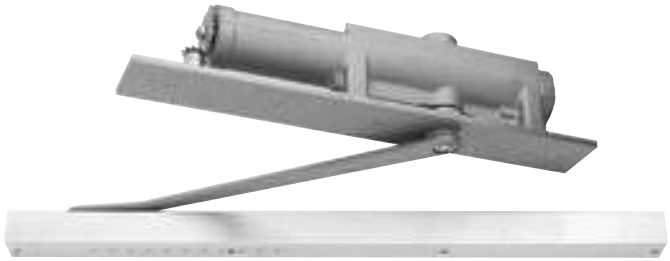
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268 Features and Benefits

268, 269 & 278 Concealed Door Closers

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The SARGENT 268 Door Closer provides security and aesthetics by completely hiding the door closer, track and arm in the door and frame.



268 Features and Benefits

Strength & Durability

- Conforms with Standard UL 10C for positive pressure fire test
- UL and cUL listed for use on fire doors
- 10 Year warranty
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility

- Powder coated and plated finishes available to match SARGENT door trim
- Concealed track, arm and closer
- Closing force adjustable through a range of BHMA sizes
- Optional hold open and bumper features available
- All-weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security

- Heavy duty forged steel arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Concealed door position switch available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

Product Details for 268

- Fully concealed closer body concealed in the frame head
- Track fully concealed in door. Arm is only visible when door is open
- 1-3/4" (44mm) min. door thickness
- Arms are forged steel with bearing roller
- Aluminum track
- Metal closer faceplate furnished standard
- Handed - Order the same hand as the door
- Closing force adjustable 2 through 4
- Closers are factory preset for 3' door width
- Delayed action option available
- Auxiliary door stop required
- Door weights - up to 250 lbs.

Finishes

Finishes	ANSI/ BHMA	Description
4	606	Satin brass, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
14	618	Bright nickel plated, clear coated
15	619	Satin nickel plated, clear coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated

Available Arms

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
OB - Standard Arm with Bumper to assist backcheck	140°	140°
H - Hold Open Arm	110°	85°-110°
HB - Hold Open Arm with Bumper to assist backcheck	110°	110°

Note: Rubber bumper in the track is to assist backcheck in light-duty interior applications only

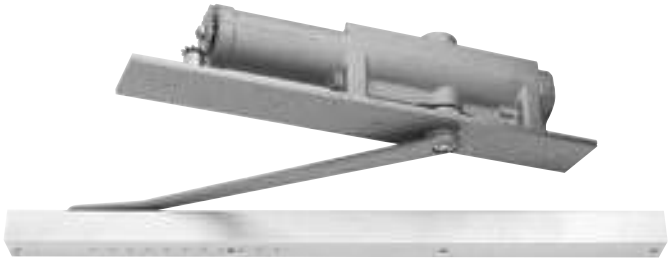
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269 Features and Benefits

268, 269 & 278 Concealed Door Closers

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The SARGENT 269 Door Closer provides an ideal solution when a concealed door closer is required on heavy large doors opening to 180°. The closer is specially designed to provide strong closing power at opening angles beyond 100° when many concealed closers lose power.



269 Features and Benefits

Strength & Durability

- Conforms with Standard UL 10C for positive pressure fire test
- UL and cUL listed for use on fire doors
- 10 Year warranty
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Double heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility

- Powder coated and plated finishes available to match SARGENT door trim
- Concealed track, arm and closer
- Closing force adjustable through a range of BHMA sizes
- Optional bumper features available
- All-weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security

- Heavy duty forged steel arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Concealed door position switch available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

Product Details for 269

- Specially designed spring to close heavy doors
- Fully concealed closer body concealed in the frame head
- Track fully concealed in door. Arm is only visible when door is open
- 1-3/4" (44mm) min. door thickness
- Arms are forged steel with bearing roller
- Aluminum track
- Metal closer faceplate furnished standard
- Handed - Order the same hand as the door
- Closing force adjustable from size 4 to 5
- Delayed action option available
- Auxiliary door stop required
- Removable stop required for door widths under 2"
- Door weights - up to 250 lbs.

Finishes

Finishes	ANSI/ BHMA	Description
4	606	Satin brass, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze - equivalent
14	618	Bright nickel plated, clear coated
15	619	Satin nickel plated, clear coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
ED	693	Black sprayed or powder coated to match 10B
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated

Available Arms

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
OB - Standard Arm with Bumper to assist backcheck	140°	140°

Note: Rubber bumper in the track is to assist backcheck in light-duty interior applications only

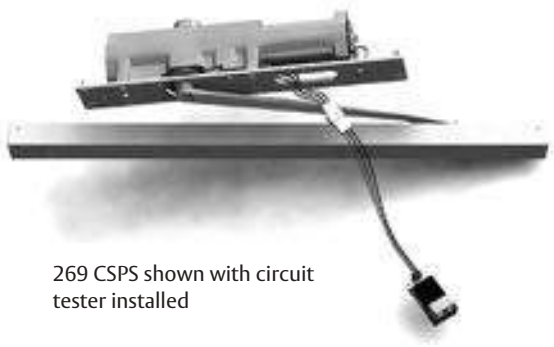
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268 & 269 Security Packages

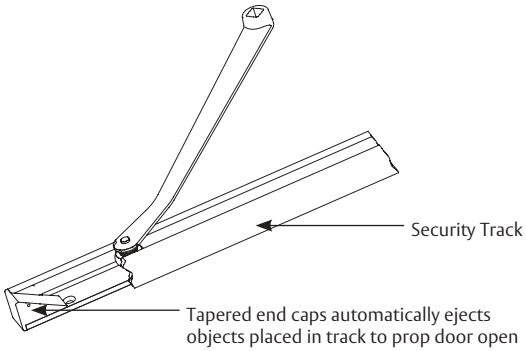
268, 269 & 278 Concealed Door Closers

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ASSA ABLOY

The SARGENT concealed closer security packages provide a vandal-resistance design ideal for correctional institutions and other abusive environments. Both the 268 and 269 closer bodies are available with security packages.



269 CSPS shown with circuit tester installed



Security Packages***

CSP - Closer Security Pack

- Includes security track that automatically ejects foreign material
- Heavy duty steel cover plate protects adjusting valves from possible tampering
- Tamper resistant security screws provided for track and closer cover plate
- Requires different templating from standard 268 or 269

CSPS - Closer Security Pack with Switch

- Same as CSP with a field adjustable single pole double throw Door Position Switch to interface with security and alarm systems
- Contacts are rated at 120/250VAC, 10.1 amp resistive load
- Switch equipped with a 3 wire color coded 12" 18 gauge wire harness
- Switch contact point can be adjusted without removing closer from frame

CSPD - Closer Security Pack with Double Switch

- Same as CSPS except a double pole, double throw switch is included with two 3 wire color coded 12" 18 gauge Wire Harness
- Contacts are rated at 120/250VAC, 10.1 amp resistive load
- Switch contact point can be adjusted without removing closer from frame

Circuit Tester

A battery powered Circuit Tester is available to verify the switch contact point at the door location without removing the closer from the frame. The switch is connected to the closer through a slot provided on all SARGENT CSPS and CSPD closers.

The Circuit Tester is ordered as part # 63-4335.



Extended Wiring Harness

An 84" Extended Wiring Harness is available to incorporate the closer's security pack into the buildings security.

The Extended Wiring Harness is ordered as part # 63-4332

Note: CSPD requires two harnesses (63-4332), one for each switch

*** Delayed Action option is not available with 268, 269 & 278 Closers with the Security Packages (CSP, CSPS & CSPD)

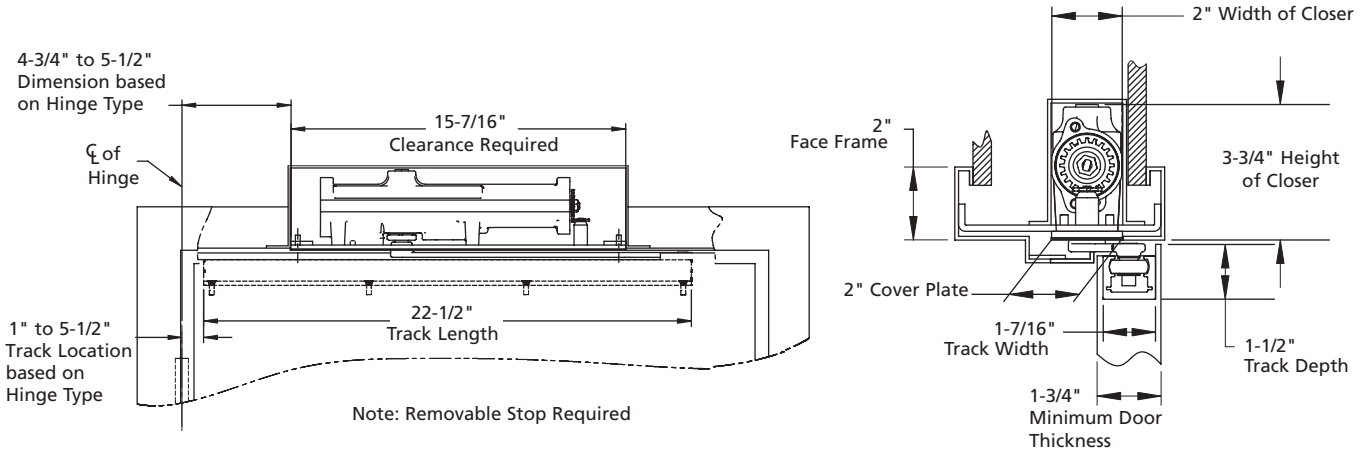
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268 & 269
Installation Details

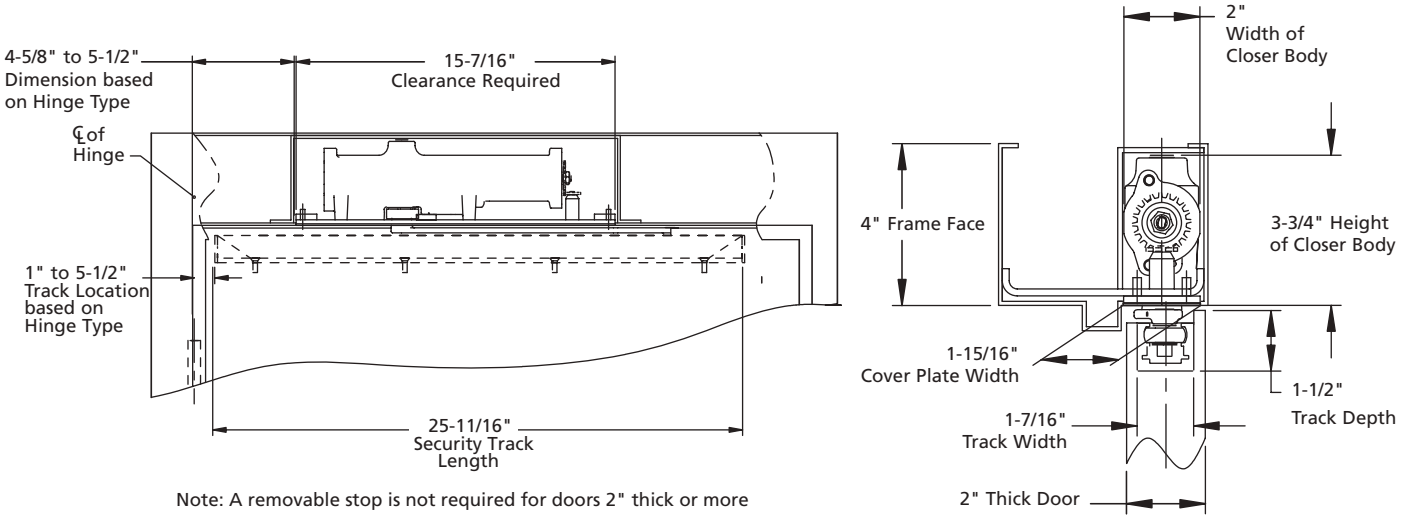
268, 269 & 278 Concealed Door Closers

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268 2" Face Frame Installation



268/269 CSP/CSPS/CSPD 4" Face Frame & 2" Door Installation Details (Security Track Shown)

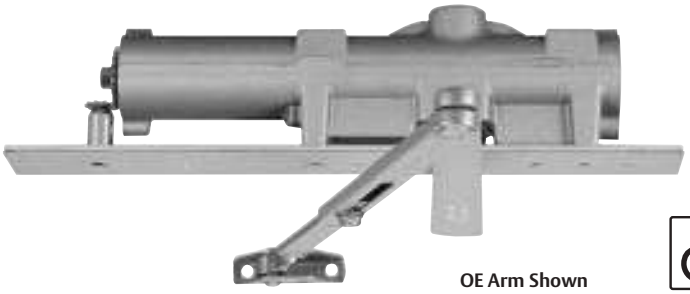


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278 Exposed Arm Features and Benefits

268, 269 & 278 Concealed Door Closers

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OE Arm Shown

278 Features and Benefits

Strength & Durability

- Conforms with Standards UL 10C "Positive Pressure Fire Tests of Door Assemblies"
- One piece cast iron body
- 1-1/2" dia. piston for superior door control
- Heat treated spindle and piston for years of reliable service
- Captivated brass valves provide easy door control while preventing accidental valve removal

Aesthetics & Flexibility

- Powder coated and plated finishes available to match SARGENT door trim
- Closing force adjustable through a range of BHMA sizes
- Optional hold open feature available
- Adjustable to meet ADA requirements
- All weather fluid allows closer to operate properly in extreme cold and hot environments without readjustment

Security

- Forged steel main arm
- Concealed in-frame design inhibits possible tampering
- Security screws available
- Pressure relief valves allow closer to absorb abusive forces, preventing damage to doors and frames

ADA Compliance: Door closers, adjusted to meet ADA conditions or other reduced opening force requirements, may lack adequate closing power to properly latch a door when draft or other conditions exist.

Product Details for 278

- ADA compliant
- Semi Concealed: Closer body concealed in frame head and closer arm attaches to the surface of the door face
- Removable stop required (supplied)
- Closer faceplate furnished
- Arm assembly are forged and wrought steel
- Handed - Order the same hand as the door
- Closing force adjustable 1 thru 6
- Suitable for interior doors up to 5' wide
- Suitable for exterior doors up to 4' wide
- Closers are factory preset for 3' door width
- Closers can be factory preset upon request
- Auxiliary door stop required
- Door weights - up to 250 lbs.

Finishes

Finishes	ANSI/ BHMA	Description
EN	689	Aluminum sprayed or powder coated
EP	691	Bronze sprayed or powder coated to match 10
EB	695	Bronze sprayed or powder coated to match 10B
EAB	696	Brass sprayed or powder coated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

Available Arms

Arm Type	Max Door Opening	Degree of Hold Open or Stop
O - Standard Arm	180°	N/A
H - Hold Open Arm	110°	85° – 110°

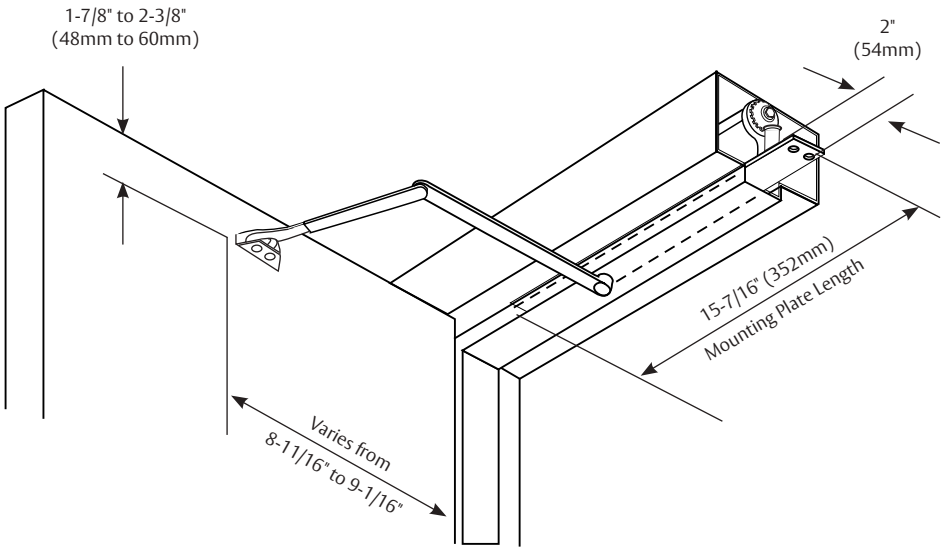
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278 Exposed Arm Installation Details

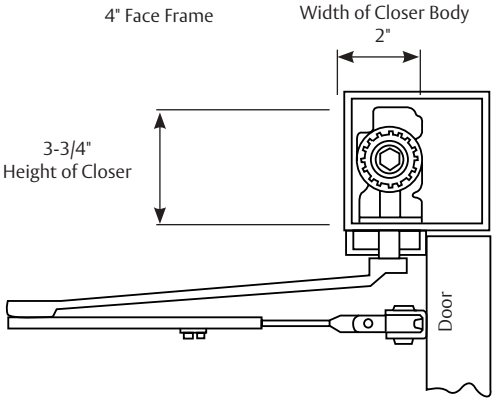
268, 269 & 278 Concealed Door Closers

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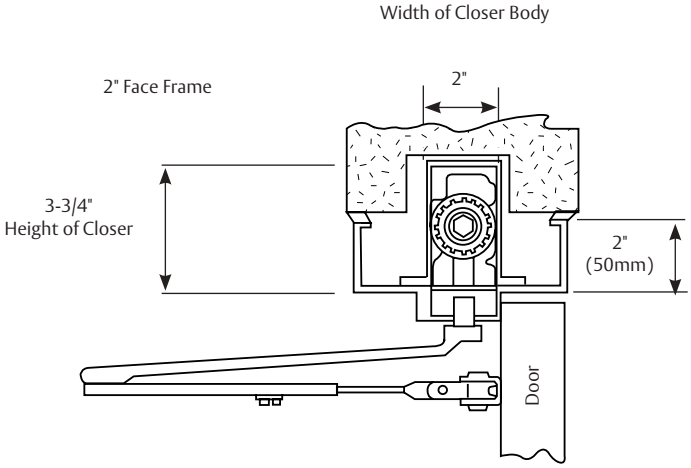
278 Door Closer



Single Rabbeted Frame Shown



Double Rabbeted Frame Shown



Available Arms

OE - Standard Arm

- Regular 278 arm
- Non-handed



Includes: 63-4430 - Main arm
63-2216 - Foot assembly
63-3640 - Screw pack

278-H Holder Arm

- Adjustable friction holder
- Non-handed
- Permits 180° door opening



For arm only, order 25-H
Includes: 63-2229 - Main arm
61-2303 - Foot assembly
63-3642 - Screw pack

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268, 269 & 278
Special Conditions and How To Order

268, 269 & 278 Concealed Door Closers

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Special Conditions

Standard templates are available on the SARGENT website. For special applications, consult SARGENT technical services.

Series	Number per Carton	Approx. wt per Carton
268, 269 & 278	1-Standard	10 lbs.

Fastener Options: Optional 6 lobe screws. Specify 36- Option

Spray Paint

Touch up spray paint available in the following colors: EB, ED, EN, EP, EAB

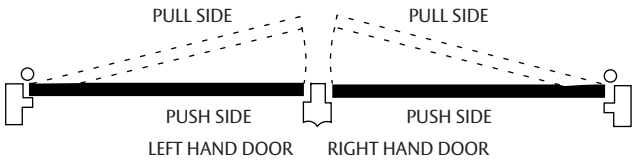
Special Rust Inhibitor Process (SRI-)

Additional process for closer body provides extra layer of protection for extreme corrosive environments.

Not available with plated finishes.

278 Series, Through Bolts and Mortise Nuts

- Through-bolts are available. Specify TB- option for 1-3/4" (44mm) thick doors; for thicker doors, specify 31-TB- include door thickness
- Through-bolting for 2-1/4" (57mm) thick hollow metal doors require bridge type reinforcement to prevent collapse of top rail when through-bolts are tightened



How To Order Closer Body Only

For 268 Closer Body only	Specify: CB-268 x hand
For 269 Closer Body only	Specify: CB-269 x hand
For 278 Closer Body only	Specify: CB-278 x hand

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How To Order a Complete Door Closer

268, 269 & 278 Concealed Door Closers

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How To Order a Complete Door Closer

		36-	268	H	26D	RH
		Options	Closer	Arm	Finish	Hand
Options						
36-	6-Lobe Screws (Security Torx - Machine Screws Only)					
DA-	Delayed Action***					
SRI-	Corrosion Protection - Closer Body Only					
TB-	Through Bolts - (278 Only)					
Door Closer Series						
268	Concealed Closer 2-4					
269	Concealed Closer 4 & 5					
278	Concealed Closer 1-6					
Arms/Tracks						
O	Standard Arm (268 & 269)					
OE	Standard Arm (278)					
H	Hold Open Arm (268 & 278)					
OB	Std Arm & Bumper (268 & 269)					
HB	Hold Open Arm With Bumper (268)					
CSP	Security Track (268 & 269)					
CSPS	Security Track w/ Switch (268 & 269)					
CSPD	Security Track w/ 2 Switches (268 & 269)					
Finish						
EB	Bronze Enamel To Match 10B					
ED	Black Enamel To Match 20D					
EN	Aluminum Enamel					
EP	Bronze Enamel To Match US10					
EAB	Brass Enamel To Be Used With Brass Finishes					
04	Satin Brass with Clear Powder Coat					
10B	Oxidized Satin Bronze, Oil Rubbed					
26D	Satin Chrome					
BSP	Black Suede Powder Coat					
WSP	White Suede Powder Coat					
Hand						
RH	Right Hand					
LH	Left Hand					

*** Delayed Action not available with 278 closers
*** Delayed Action not available with 268 & 269 with security packages (CSP, CSPS & CSPD)

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SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90118 06/21

Product Catalog

SARGENT
ASSA ABLOY

1131 Series
Door Closers



Experience a safer
and more open world

Table of Contents

1131 Series Door Closers

SARGENT
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General Information....3
Applications....4
Applications & Accessories....5
Architectural Specifications....6
How To Order and Packaging....7

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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On The Cover

- 1131 RU installed "Standard application"

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General Information

1131 Series Door Closers

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Features

- Reversible "Non-handed"
- Full rack and pinion
- High strength cast aluminum case
- Tri-packed for versatile mounting, inverted or parallel
- Arm leverage adjustment
- Heat treated high tensile springs
- One piece spindle heat treated for high strength
- Model available with spring adjustment
- Separate key controlled regulating valves for door closing and latching speed
- Two choices of finishes: EN for Aluminum Enamel, EB for Bronze Enamel to match 10B
- Valves are captivated to prohibit vandalism
- Adjustable backcheck valve is standard
- UL and ULC listed
- Typical uses hotel/motel guest rooms, assisted living centers, public housing, store fronts, office buildings
- Shall meet ANSI Grade 1 A156.4 requirements
- 25 year warranty
- Parallel Arm Conversion bracket included
- Mortise nuts and through bolts included
- Auxiliary door stop required
- Optional full cover available
- Wood and machine screws provided as standard

Non Hold Open "RU" Package



The RU package is provided with non hold open arm which includes additional bracket that allows installer the choice of standard, parallel or top jamb application. Used on Rated and Non Fire rated doors.

Standard application shown above.

Holder Arm "HU" Package

All applications for 1131 series closers shown in this catalog are also available with holder arms. Holding ranges are listed under the individual application. Specify "HU" arm when ordering.

The HU includes an extra bracket for field conversion from standard application to parallel arm application.

Series By Application

Description	Models
Adjustable from sizes 1 through 6: Door closers to meet handicapped requirements or for light through heavy weight interior doors	1131

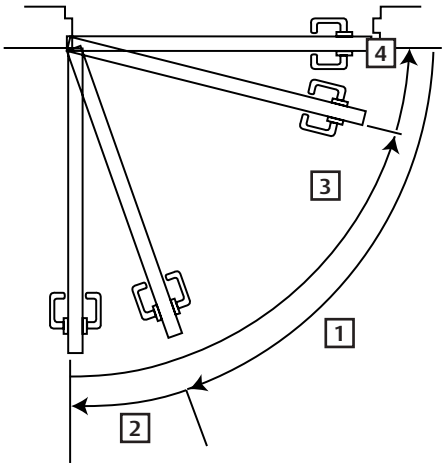
Door Opening And Closing Cycle

The door opening cycle compresses the springs and positions the fluid to control the other cycles.

The backcheck cycle is controlled by the backcheck valve. This cycle slows the door before making contact with door stop. This can easily be turned off for doors that open more than 90°. (A door stop must be used to stop the door.)

Two separate valves control the door closing and latching speeds. The closing cycle controls the speed of door closing from the fully opened position to approximately five inches from the closed position. The latching cycle controls this last five inches.

1. Opening Cycle
2. Backcheck
3. Closing Speed
4. Latching Speed



CAUTION: Door Closers for Low Opening Force Applications:
Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.

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Applications

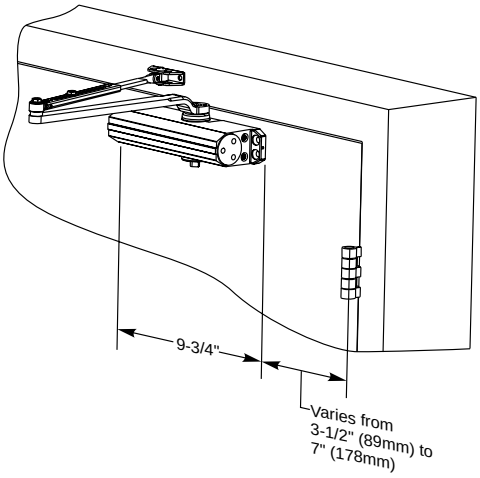
1131 Series Door Closers

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Standard Application

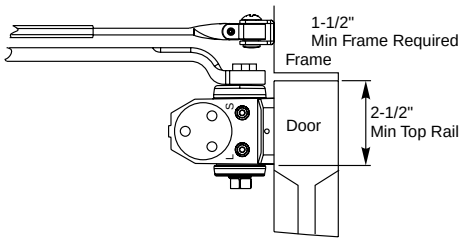
Closer mounts on pull side of door. Two mounting positions allowing opening up to 180° if wall and frame conditions allow.

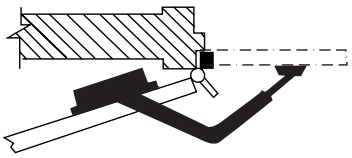


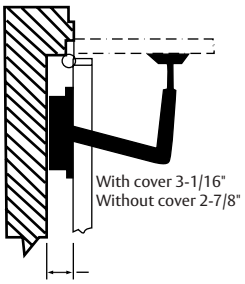


Standard Mounting: Standard mounting provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate Mounting: Closer installed to allow for 180° opening. Range of hold open arm from 85-180° Maximum door opening: 180° if wall and trim conditions allow. Holding range of holder arm (hold open arm): 85°-180°. If butt, frame and wall conditions permit, closer will allow door to open 180°. Minimum top rail width required 2-1/2" for regular and hold open arm.



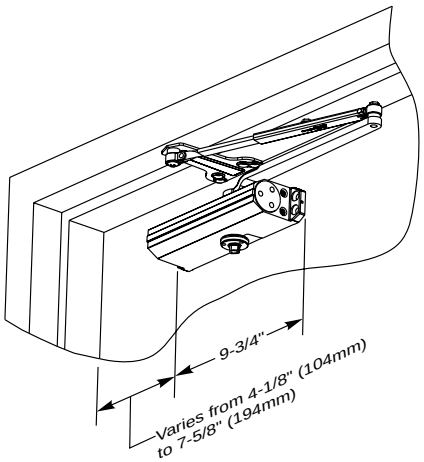




Parallel Arm Application

Closer mounts on top rail on stop side of door. Minimum top rail 5-1/4". As door opens, closer swings with door and gives full head room in door opening. For use on doors opening either in or out. Also used on two doors hung on the same frame with closer mounted between doors with a minimum of 5-1/4" in between doors. When two closers are used on different doors inside the same frame, the minimum door size is 46".





Standard Mounting: Standard mounting provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate Mounting: Closer installed to allow for 180° opening. Range of hold open arm from 85-180°. Minimum width of stop required to mount foot bracket of arm is 1". Minimum mounting space required between two doors is 5-9/16" for regular arms and for holder arms.

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Applications & Accessories

1131 Series Door Closers

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Top Jamb Application

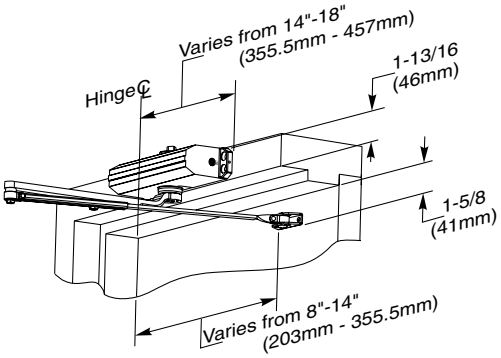
Closer mounts on top casing of push side of door.

As door opens, closer arm swings with door. Mounting for reveals up to 3".

Provides maximum power allowing door to open 100°. Holding range of holder arm (hold open arm): 85°-100°.

Alternate mounting: Closer installed to allow hinge to allow for 180° opening reveals less than 2". Range of hold open arm from 85-180°.





Minimum rail width on top casing required is 1-3/4". Minimum door rail width required to mount closer foot is 2-1/4", when frame without head stop is used (flush header).

Consult factory if door weight exceeds 250 lbs.

Optional Accessories



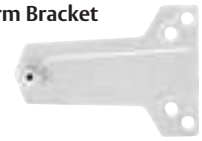
Full size non-handed high Impact cover secured by two machine screws

Specify suffix "C" when ordering.

To order cover separately, use P/N 60-0535 x finish

Brackets (Included)

Regular Parallel "RU" Arm Bracket
Converts regular standard arm to parallel arm



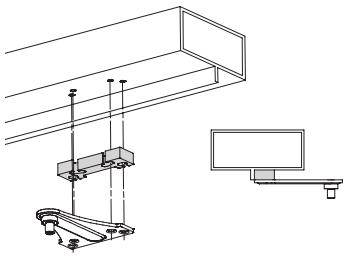
Hold-Open "HU" Arm Bracket
Converts the hold-open standard arm to hold-open parallel arm



581-1 Blade Stop Kit

Kit includes longer fasteners and 1/2" thick metal spacer for use with 1/2" blade stops commonly found on store front aluminum frames

Used with JP9 and JHP9 arms



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Architectural Specifications

1131 Series Door Closers

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Architectural Specifications

2.0 DOOR CLOSERS

A. Door closers shall be 1131 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Door closers shall meet ANSI/BHMA A156.4, Grade 1 requirements.

C. Door closers shall be UL listed (US and Canada) for use on fire doors.

D. Door closer shall meet the requirements of UL 10C positive pressure fire tests.

E. Provide closers adjustable from sizes 1-6.

F. Closers shall be non-handed to meet a variety of door conditions and design requirements.

G. Closing speed, latching speed and backcheck shall be controlled by separate key operated, captivated valves.

H. Closers shall have heat treated rack and pinion construction.

I. An increase of 15 percent in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm mount)

J. Closer main arms shall be heavy duty steel.

K. Door closer bodies:

1. One piece door closer body shall be of high strength cast aluminum alloy.
2. Adjustment valves shall be captivated and non-critical.
3. Closer spindle shaft shall be sealed hydraulically with an “O” ring.

L. Specify desired option: (SRI) Special Rust Inhibitor Process.

M. Projection of closer body from door shall not exceed 2-3/16" (56mm).

N. Closer covers shall be constructed of high impact plastic material of flame retardant grade, secured by machine screws.

O. Closers shall be suitable for standard, top jamb, and parallel arm type applications when provided with proper brackets and arms.

P. Door closers shall have a 25 year limited warranty.

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How To Order & Packing

1131 Series Door Closers

SARGENT ASSA ABLOY

How to order complete door closer — Example

Model #	1131	**1131**
Arm Type	RU or HU (Hold open)	1131**RU**
Finish	EB – Bronze Enamel to match 10B EN – Aluminum Enamel	1131 RU **EB**

NOTE:

- Door closer warranty becomes void if the closer is installed on the exterior side of a door in the exterior wall of a building.
- It is strongly recommended, and may be required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots. Consult local authority having jurisdiction.
- Failure to use fasteners supplied with closer may void factory warranty.
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with standard SARGENT product, such as sleeve-nuts/sex-nuts or thru bolts and grommet nuts.
- Information provided is based on 1-3/4" (44mm) x 7' (2.13m) standard weight doors swinging to 110°. Other conditions (such as door height or weight; or wind/draft conditions) may require adjustment of spring setting, selection of a larger size closer or different closer.

Special Rust Inhibitor Process (SRI)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only (closer body),specify SRI- when ordering.

Packing

Approximate shipping weights and piece count per case		
1131 Series	6 per carton	39 lbs case

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90393 12/19

Product Catalog

SARGENT
ASSA ABLOY

2409/2900 Series

Fire Guard®



Experience a safer
and more open world

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2409/2900 Series Fire Guard®

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IMPORTANT NOTE: Fire Alarm Control Panels that cannot ignore a 0.5 second closure during a power cycle, can not be used with a 12- Fire Guard (smoke detector) product.

How to Order

Specify	Note	Example
Quantity	Number Ordered	**1 Qty.**
Option	Additional Feature	1 Qty. **12-**
Series/Function	See Applications	1 Qty. 12-**2991**
Voltage	Not required for 9- Companion	1 Qty. 12-2991 **24**
Hand	Required	1 Qty. 12-2991 24 **RH**
Finish	See Finishes	1 Qty. 12-2991 24 RH **EN**
Additional Information	Item/Heading Number, Door Number	1 Qty. 12-2991-24 RH EN X **Door 205**

Finishes

US Finish	Descriptions	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

Note: 12- Fire Guard smoke detectors (revisions A-D, as specified on the 12-Smoke Detector label) have .5 seconds of closed contacts between output pins 1 & 2 when power is applied or removed from the Fire Guard unit.

Conventional Fire Alarm Control Panels (FACP's) may not have this circuitry to compensate for this momentary short between pins 1 and 2 and this may be detected as a fault. For FACP's that cannot ignore a .5 second closure during a power cycle, do not use the 12- Fire Guard (smoke detector) products.

12- Fire Guard units Revision "E" and above do not have this momentary change of state between contacts 1 and 2.

Contact SARGENT Technical Support for more details.

On The Cover

2469 Pull Side

Application Description & Option Designation

Applications:

Single Point Hold Open

2469 – Pull side, non-handed
2479 – Pull side Double Egress, handed
2499 – Push side, non-handed

Multi-Point Hold Open

2960 – Pull side, handed

2970 – Pull side Double Egress, handed
2980 – Pull side Swing Free, handed
2991 – Push side, O arm, handed

2992 – Push side, OZ arm, handed
2993 – Push side, OZA arm, handed
2994 – Push side, OY arm, handed
2995 – Push side, OYA arm, handed

Options

9- Companion unit for use with 12- smoke

- All companion units (9-) and stand alone units are UL Listed for application with all compatible UL Listed fire and smoke detection equipment.

12- Smoke detector unit

- All smoke detector units (12-) have been tested and evaluated for public safety by Underwriters Laboratories and are listed for application on labeled fire doors.

Options

- Adjustable hold open bypass switch allows hold open from 20° through full door opening. Not available for 9- or 2980 units

No Option

- Stand Alone unit for use with fire alarm system

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Features

2409/2900 Series Fire Guard®

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The SARGENT FIRE GUARD® (2409 & 2900) Series of Electromechanical Closer-Holder Release Devices are designed to hold open fire and smoke rated doors until power is interrupted by a fire alarm condition or remote release switch. Designed for durability, ease of installation and aesthetics, each series provides the means to achieve fire and building code compliance without interfering with normal building operation.

Each series includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer, for proper operation during the opening and closing cycles. They are also applicable for use on non-rated doors such as offices and conference rooms where the convenience of an electrically controlled release device is desirable.

The Fire Guard Series is also available with an integrated photoelectric smoke detector for use in existing facilities lacking a fire/smoke detection system or where a redundant system is required for added life and safety protection.

2409/2900 Common Features

- Conforms to standards UL 10C Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards for use on fire doors
- Available in 5 finishes
- **Holder**
  - Fail safe operation
  - Push or pull or double egress installations
  - Will accommodate concealed or surface wiring standard
  - Operating voltages: 24VAC/24VDC, or 120VAC @ .09 Amp.
  - Photoelectric smoke detector with LED indicator option
  - Terminal strip for ease of wiring
  - Remote release option
  - 2 year limited warranty on electromechanical components
- **Closer**
  - ANSI/ BHMA A156.4 Grade 1 Closer
  - Rack and pinion operation
  - Body is cast, one piece high strength aluminum/silicon alloy
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable closing and latching speeds
  - Adjustable backcheck (Auxiliary door stop required)
  - 10 year limited warranty on 351 closer body

Additional Fire Opening Release Devices

In addition to the 2409 and 2900 Fire Guard Series, SARGENT offers other alternatives for door holding/releasing devices that may be more appropriate to your application. All are UL Listed for fire door assemblies and readily interconnect with building fire protection systems.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

351 EHT Closer-Holder Devices

Designed to hold open fire or smoke doors until released by the fire detection system, the 351 EHT provides a convenient means of meeting fire and building code requirements without interfering with normal building operation. The 351 EHT Closer-Holder combination allows the door to be normally held open, but is self-closing when power is interrupted during an emergency or by switch control. With its rugged track design, the 351 EHT is suitable for multiple manual operations. See 351 EHT Closer-Holder Release catalog for complete application information.



1560 Series Electromagnetic Door Holders

The 1560 Series of Electromagnetic Door Holders are Fail Safe devices designed to hold open self closing smoke and fire doors until released by a fire protection or other control system. Holders are available in surface and flush mount designs and are well suited for applications where there is insufficient space for Fire Guards or the 351 EHT Closer-Holder. See Holder and Stops Catalog for complete information.



1561 Flush Mount



1560 Surface Mount

Overhead Stops

A complete line of Overhead Stops is available to complement the Fire Guard, 351 EHT and 1560 Holders. They limit door opening and prevent damage to the closer-holder, trim or surrounding walls. Full information may be found in the Holder and Stops catalog.



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2409 Series Single Point Hold Open Applications and Mounting Details

2409/2900 Series Fire Guard®

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Features of 2409 Series

- Single point hold open
- Hold open position adjustable from 85° to 110°
- Easy adjustment
- Adjustable holding power
  - Acts like standard door closer until opened to the hold open point
  - Maintains open position until released
- Auxiliary stop required
- Long wearing adjusting rod assembly
- Cover projection only 2-3/16" (81mm)
- High impact, corrosion resistant cover secured by machine screws
- Remote release option
- Holder: Aluminum track will accommodate concealed or surface wiring
- Closer: Cover projection 2-3/16" (56mm) max.

Applications

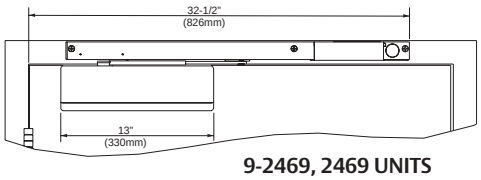
- 351-A Mounting Plate may be used for door with narrow top rail (pull application)
- 351-D Drop Bracket may be used for door with narrow top rail (push application)
- Suitable reinforcements required for metal door and frames
- Minimum frame face required 2" (51mm)

2469, 9-2469, 12-2469 Pull Side

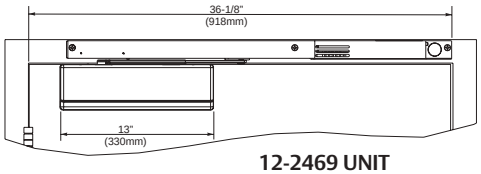


12-2469 Shown

- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on corridor or stairwell doors when pull side, single-point hold open is required
- Non-handed



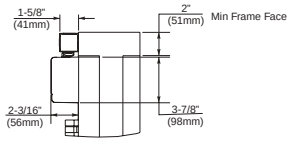
9-2469, 2469 UNITS



12-2469 UNIT

Minimum Door Size	Catalog Number
34" (864mm)	12-2469
28" (711mm)	9-2469*, 2469

*Used in conjunction with 12-unit only.

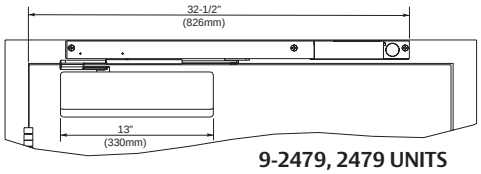


2479, 9-2479, 12-2479 Pull Side - Double Egress

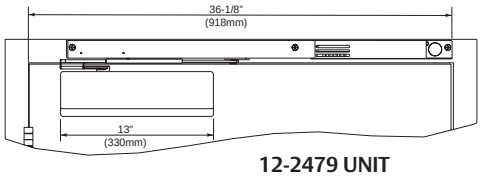


12-2479 Shown

- Track is mounted to face of frame
- The 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Handed



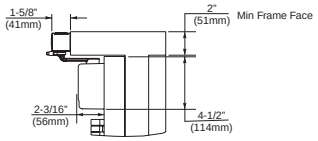
9-2479, 2479 UNITS



12-2479 UNIT

Minimum Door Size	Catalog Number
34" (864mm)	12-2479
28" (711mm)	9-2479*, 2479

*Used in conjunction with 12-unit only.

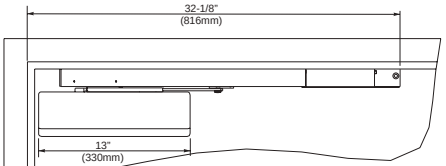


2499, 9-2499, 12-2499 Push Side

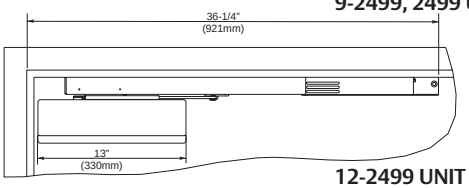


2499 Shown

- Track is mounted to underside of the frame stop
- The 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



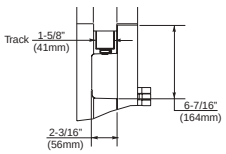
9-2499, 2499 UNITS



12-2499 UNIT

Minimum Door Size	Catalog Number
38" (966mm)	12-2499
31" (787mm)	9-2499*, 2499

*Used in conjunction with 12-unit only.



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2409 Series Single-Point Hold Open Assemblies, Arms & Components

2409/2900 Series Fire Guard®

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Assemblies

12-2409 Series Smoke Detector Unit

- Includes a photoelectric smoke detector and electromagnetic hold open mechanism
- Can be used to control a single door or a pair of doors in combination with a 9-2409 companion unit.
- Accessory wire pack 63-3212 needed for multiple 12- smoke detector interconnections or connection with 2/4 wire fire alarm systems



2409 Series Stand Alone Unit

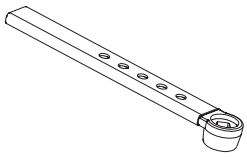
- Can be installed on a single door or a pair of doors when controlled by compatible UL Listed Fire Detection equipment or non-rated doors with remote release
- Includes electromagnetic hold open mechanism



Arms & Components

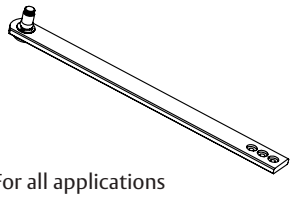
- Regular and double egress telescoping arms
- All applications use track principle
- Powder coated

63-2874* Link Insert & Extension



- For push and pull applications

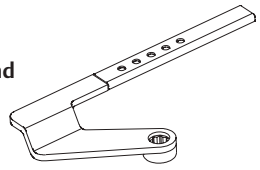
63-0840* Adjusting Rod Assembly



- For all applications

63-3057* Double Egress Arm and Extension Assembly

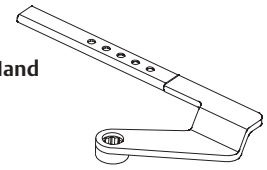
Left Hand



- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

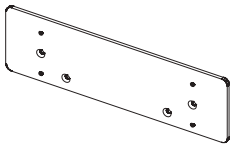
63-3056* Double Egress Arm and Extension Assembly

Right Hand



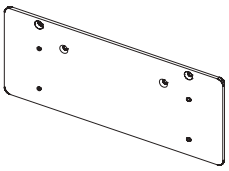
- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

351-A* Mounting Plate



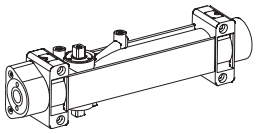
- For narrow top rail pull application

351-D* Drop Bracket



- For narrow top rail push application

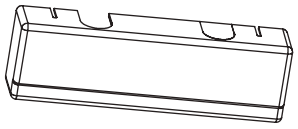
13-351 Closer Body



- Standard closer

351-C* Plastic Cover

Non-handed



Notes:

Screw Pack for all models, 63-3431

Specify finish when ordering arms or components.

* Finish must be specified: EB, ED, EN, EP and EAB

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2900 Series Multi-Point Hold Open Applications

2409/2900 Series Fire Guard®

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Features of 2900 Series

- Multi position hydraulic hold open
- Delayed, adjustable hold open 80- option
- Hold open positions from 10° to 170° (trim permitting)
- Reveals up to 8-5/8" (219mm) push side
- Swing free application available (pull side)
- Holder Operation
  - Multi-point hold open from 70° to 170°, trim permitting
  - Steel mounting plate accommodates surface or concealed wiring
  - Photoelectric smoke detector with LED indicator option
- Handed
- Auxiliary stop required
- Projection 2-9/16" (65mm) from frame face
- Metal cover secured by machine screws
- Steel mounting plate
- Remote release option
- Maintained on/off switch
- Maximum door opening 180°

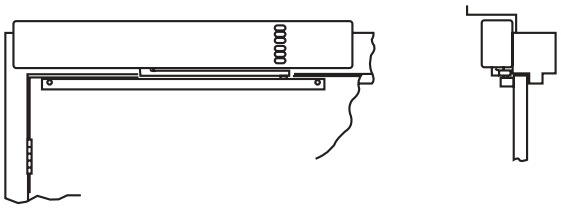
Arms

- Regular type for push side
- Track type for pull side and swing free
- Double Egress, Track type for Pull side

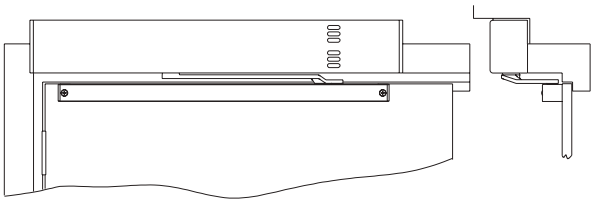
2960, 9-2960, 12-2960 Pull Side



- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening

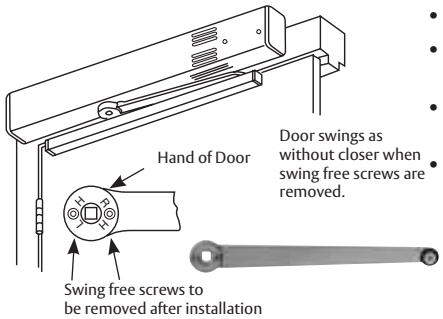


2970, 9-2970, 12-2970 Pull Side-Double Egress



- Closer/Holder is mounted to face of frame
- Track is mounted on hinge side of door
- Double egress arm for reveal of 1/8" (3mm) to 3" (76mm) maximum
- Use on corridor or stairwell doors when pull side, multi-point hold open is required

2980, 9-2980, 12-2980 Pull Side - Swing Free



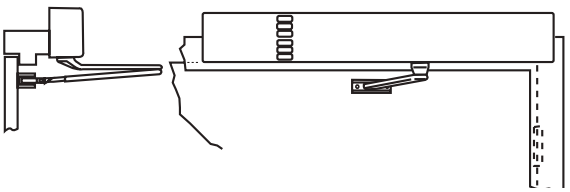
- Closer/Holder is mounted to face of frame
- Track is mounted on surface of door, hinge side
- Door acts as if no closer is installed or swings free until the alarm is activated
- Use on patient room doors in hospitals, nursing homes or anywhere a bedroom-like atmosphere is required
- Allows door to be opened, closed or partially open
- When released during an emergency, door closes from any position



2990, 9-2990, 12-2990 Push Side



- Closer/Holder is mounted to face of frame on push side
- Arm is secured to surface of door, stop side
- Use on corridor, stairwell doors and labeled doors which require over 110° opening



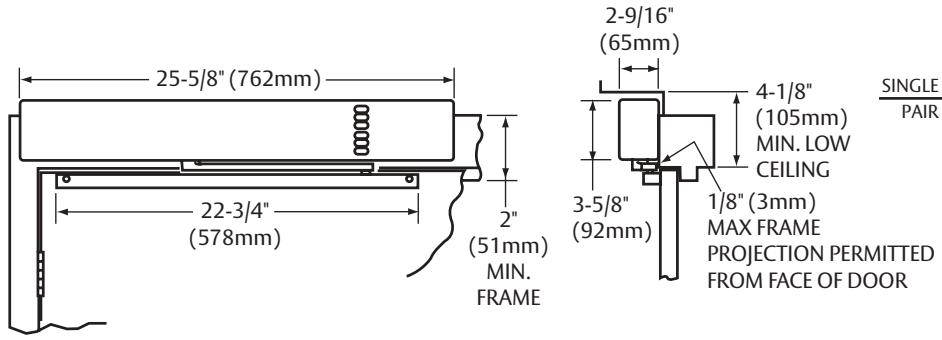
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2900 Series Multi-Point Hold Open Mounting Details

2409/2900 Series Fire Guard®

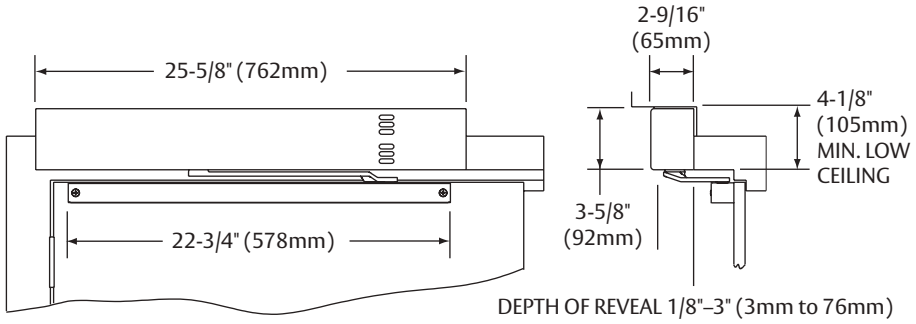
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2960, 2980, 9-2960, 9-2980, 12-2960, 12-2980 Pull Side

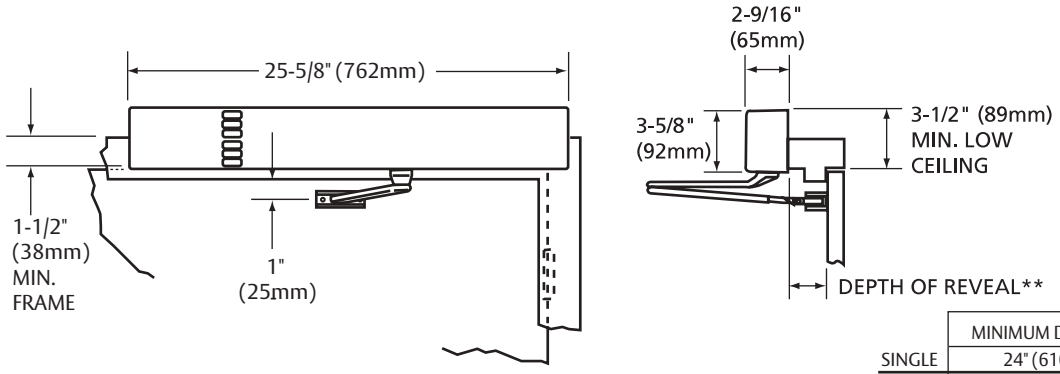


	MINIMUM DOOR SIZE	CATALOG NUMBER
SINGLE	24" (610mm)	12-2900, 2900
PAIR	50" (1270mm)	12-, 9-, 2900

2970, 9-2970, 12-2970 Pull Side–Double Egress



2990, 9-2990, 12-2990 Push Side



	MINIMUM DOOR SIZE	CATALOG NUMBER
SINGLE	24" (610mm)	12-2900, 2900
PAIR	50" (1270mm)	12-, 9-, 2900

ARM ASSEMBLY REQUIREMENTS FOR 2990, 9-2990 & 12-2990 UNITS

DEPTH OF REVEAL**	CATALOG NUMBER	ARM ASSEMBLY REQUIRED	MAXIMUM DOOR OPENING	RANGE OF HOLD OPEN
0 to 1-3/4" (45mm)	2991	"O" Arm	180°	10° to 170°
1-7/8" (48mm) to 4" (102mm)	2992	"OZ" Arm	180°	10° to 170°
4-1/8" (105mm) to 7" (178mm)	2993	"OZA" Arm	160°	10° to 150°
4-1/8" (105mm) to 7" (178mm)	2994	Heavy duty "OY" Arm	180°	10° to 170°
7-1/8" (203mm) to 8 5/8" (219mm)	2995	Heavy duty "OYA" Arm	180°	10° to 170°

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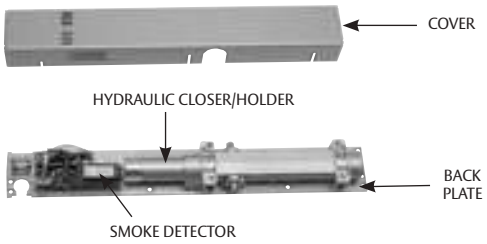
2900 Series Multi-Point Hold Open 80- Option Adjustable Hold Open Arms & Components

2409/2900 Series Fire Guard®

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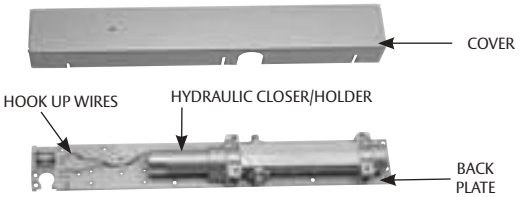
12-2900 Series Smoke Detector Unit

- 12-2900 Smoke Detector Unit includes a photoelectric smoke detector and a hydraulic hold open device housed in the body of the closer
- Can be used to control a single door or a pair of doors in combination with a 9-2900 companion unit
- Accessory wire pack 63-3212 needed for multiple 12- smoke detector interconnections or connection with 2/4 wire fire alarm systems



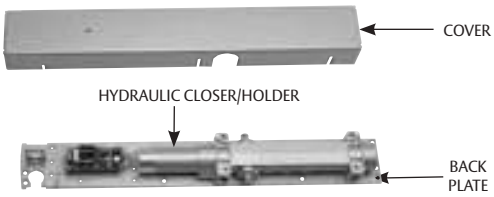
9-2900 Series Companion Unit

- Includes hydraulic hold open device
- Can be installed as a companion unit to the 12-2900 only
- Available for input voltage of 24VDC regulated only
- Not available with 80- Option, adjustable hold open by pass switch



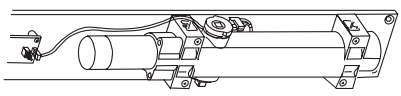
2900 Series Stand Alone Unit

- Includes hydraulic hold open device.
- Can be installed on a single door or a pair of doors when controlled by compatible UL listed Fire Detection equipment or 120VAC



80- Option Adjustable Hold Open By-Pass Switch

- Allows initial degree hold open position to be adjusted from 20° through full door opening
- Used on Pull side (2960 or 2970) or Push side (2990) units
- Not available with companion (9-) units or 2980 Series units



Switch is on opposite spindle from closer arm.

63-2216* O Foot Assembly



- For reveals up to 1-3/4" (44mm)

63-3314* OY Arm Assembly



- Heavy duty for reveals from 4-1/8" to 7" (105 to 178mm) 180° opening

63-2217* OZ Foot Assembly



- For reveals up to 1-7/8" (102mm) to 4" (102mm)

63-3315* OYA Arm Assembly



- Heavy duty for reveals from 7-1/8" to 8-5/8" (203 to 219mm) 180° opening

63-2218* OZA Foot Assembly



- For reveals from 4-1/8" to 7" (105-178mm)

63-2607* Main Arm and Link Assembly



- Used with O, OZ and OZA Foot Assemblies

63-3688* Slide Arm Assembly



- 2960 Series rigid arm

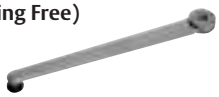
63-0156* Track Only



- Used with double Egress arm above

  63-0682 Track Cap, 2 required

63-3689* Slide Arm Assembly (Swing Free)



- Allows door to open and close with no closer spring pressure

63-3653* Double Egress Arm



- Left Hand Shown
- Right Hand 63-3654 Not Shown

63-3717* Cover



- Cover used with 9-2900 and 2900 shown
- Cover used with 12-2900 Series 63-3718, Not Shown

Notes:

Screw Pack for 2960 and 2980 models, 63-3700

Specify finish when ordering arms or components

Finishes: EB, ED, EN, FP and EAB

*** Finish must be specified: EB, ED, EN, EP and EAB**

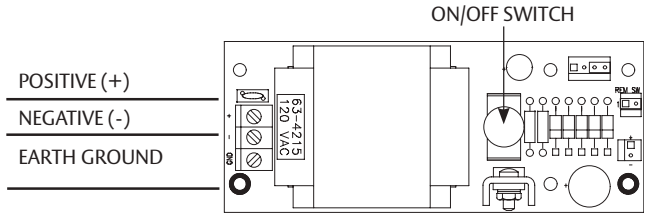
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Electrical Accessories

2409/2900 Series Fire Guard®

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Power Input Connections



Note: See Table of Contents for 12- Fire guard limitations

63-3210 Smoke Detector



- Replacement photoelectric smoke detector

63-2868 Remote Connector Harness

- Harness for connection to circuit board of remote door release control
- **Required for remote release**

63-3212 Accessory Wire Pack

- Required for 12-units which are interconnected to alarm panels (2 or 4 wire systems) or connecting multiple 12- units

Switches and Printed Circuit Boards

When remote release is required, SARGENT offers both key and push button switches to interrupt power allowing the door to close. Consult Product System Manual for other switch options.

4370 Key Switch



- Allows remote or local release
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

63-4215 PC Board (2900 only)



- Replacement 120 Volts AC board assembly

63-0848 PC Board (2409 only)



- Replacement 120 Volts AC board assembly

63-4216 PC Board (2900 only)



- Replacement 24 Volt AC/DC board assembly

63-0847 PC Board (2409 only)



- Replacement 24 Volt AC/DC board assembly

12VDC & 24VDC Power Supplies



SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

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Suggested Architectural Specifications

2409/2900 Series Fire Guard®

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Architectural Specifications

2.0 SINGLE-POINT CLOSER HOLDER RELEASE DEVICES

A. Single-point door closer holder release devices shall be 2409 Series as manufactured by SARGENT Manufacturing Company.

B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.

C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, smoke detector, integral smoke detector, or manually by pushing or pulling the door.

D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.

E. Door closer bodies:

1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA A156.4.
3. Door closer body shall be fully closed rack and pinion construction.
4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
5. Valves shall be captivated and non-critical.
6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
8. Door closer body shall have a ten year limited warranty.

F. Electro-mechanical holder release track assembly:

1. Devices shall include an integral, fully- adjustable hold-open mechanism.
2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
3. Single-point hold open shall be adjustable from 85 to 110 degree of door opening.
4. Track assembly shall include a terminal strip for ease of installation.
5. Circuit board shall contain a self-resetting circuit breaker switch.
6. Track assembly shall include an on/off switch to control hold-open.
7. Integrated smoke detector unit shall be available as an option (12-option).
8. Two year limited warranty.

G. Door closer holders shall accommodate concealed or surface wiring standard.

H. Door closer holders shall have universal push or pull application.

2.0 MULTI-POINT CLOSER HOLDER RELEASE DEVICES

A. Multi-point door closer holder release devices shall be 2900 Series as manufactured by SARGENT Manufacturing Company.

B. Door closer holders shall meet ANSI/BHMA A156.15 requirements.

C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon receiving a signal from fire alarm, smoke detector, integral smoke detector, remote release switch, or manually by pushing or pulling the door.

D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.

E. Door closer bodies with integrated hydraulic hold open mechanism:

1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
2. Door closer body shall meet the requirements of ANSI Grade 1 per ANSI/BHMA 156.4.
3. Door closer body shall be fully closed rack and pinion construction.
4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
5. Valves shall be captivated and non-critical.
6. Cover shall be constructed of aluminum extrusion with plastic end caps secured by machine screws.
7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
8. Devices shall accommodate operating voltages of either 24VAC or 24VDC in the same unit or 120VAC as an option.
9. Multi-point hold open shall be adjustable from 10 to 170 degree of door opening.
10. Devices shall include a terminal strip for ease of installation.
11. Circuit board shall contain a self-resetting fuse.
12. Devices shall include an on/off switch to control hold-open.
13. Integrated smoke detector unit shall be available as an option (12-option).
14. Delayed adjustable hold-open shall be available as an option (80-option).
15. Two year limited warranty.

F. Door closer holders shall accommodate concealed or surface wiring standard.

H. Door closer holders shall be available in push or pull application for regular or double egress type doors.

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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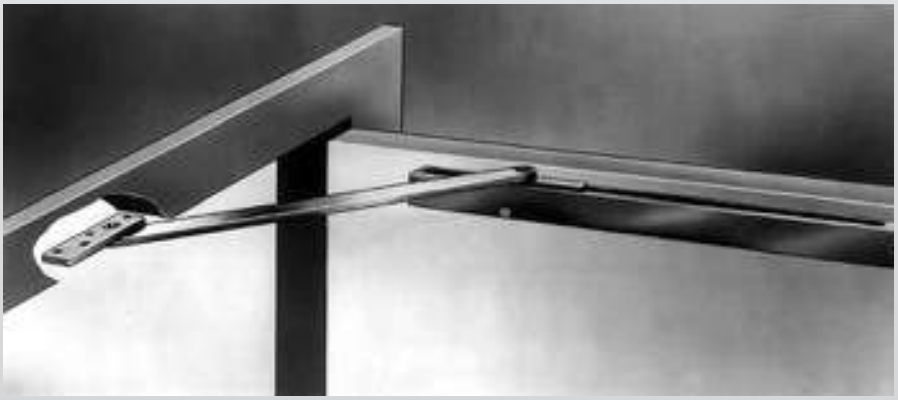
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Product Catalog

SARGENT
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Holders & Stops





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Holders & Stops

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On the Cover

590 Series Heavy Duty Surface Mount Overhead Holder
1561 Electromagnetic Wall Mount Door Holder

Overview

Holders & Stops

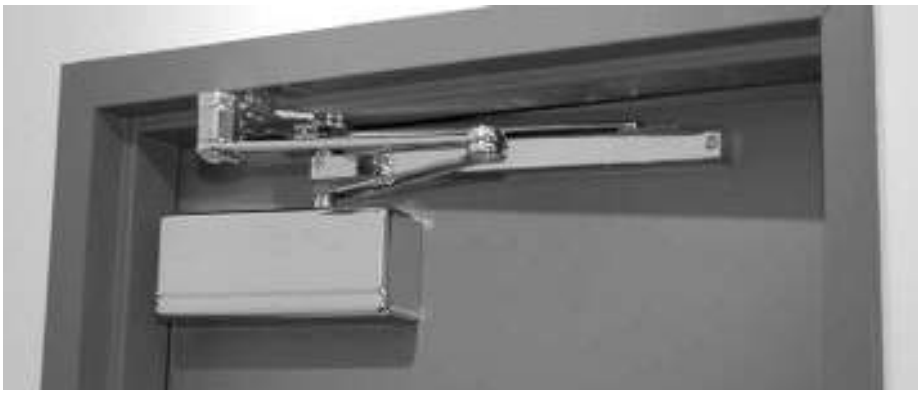
Introduction to SARGENT Overhead Holders & Stops

SARGENT overhead stops/holders are designed to protect the door and hardware from the abuse commonly found in commercial and institutional applications. With different series that include surface or concealed, standard or heavy duty, SARGENT has a stop/holder for every application.

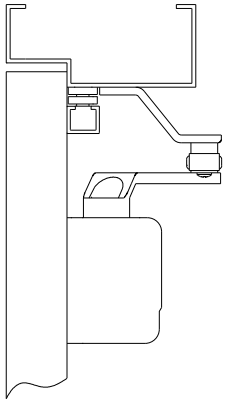
Overhead stops/holders are the most robust method of stopping a door while eliminating unsightly wall stops and floor stops. An overhead door stop protects the opening by effectively distributing abusive forces. Some door closers are available with stops/holders incorporated into them and work well in most cases, but continuous abuse can lead to frame and hinge failure. SARGENT overhead stops/holders are designed and manufactured for many years of service. The 590, 690,1530 and 1540 series come with a 5 year warranty.

Applications

- Office Buildings
- Assisted Living Facilities
- Hotel Guest Rooms
- Public Housing
- Retail Establishments



281 PD10 with 590 Series stop in a 26 finish



1431 P3 Shown with 1548 Stop

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SARGENT Traditional Holders & Stops General Information

Holders & Stops

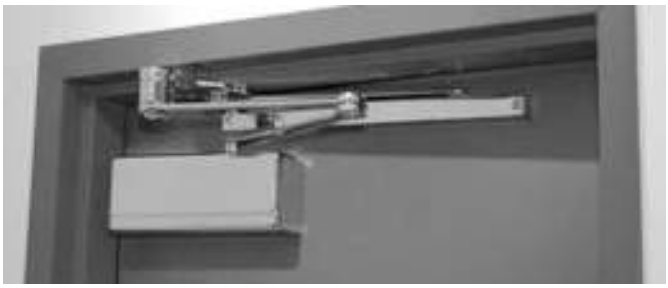
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Selecting an Overhead Stop/Holder

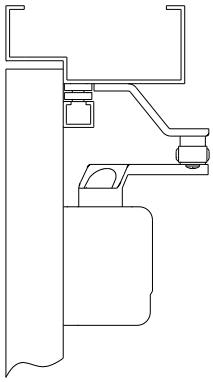
The traditional line of Sargent overhead Holders & Stops is unsurpassed in the industry in regards to aesthetic details and quality. The 590 heavy-duty surface applied and 690 concealed heavy-duty series are designed for use on exterior doors and highly abused interior doors. The 1530 concealed series and the 1540 surface applied series are designed for use on interior doors.

All stops/holders are templated and installed for a particular degree of opening ranging between 85° to 110°. All SARGENT overhead holders/stops include a heavy duty spring designed to gradually absorb impact forces over a 3° to 9° of opening. When using holders and stops on doors opening against a wall or back to back, they should be templated/installed to eliminate the trim from coming into contact with the walls or each other.

When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility.



281 PD10 with 590 Series stop in a 26 finish



1431 P3 Shown with 1548 Stop

Warranty

All 590, 690, 1530 and 1540 Series Holders and Stops carry a 5 year limited warranty for defects.

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SARGENT Traditional Holders & Stops Features and Details

Holders & Stops

Attention to detail and rugged design has made the SARGENT line of overhead stops and holders the premier door control products in the industry today. Our finely finished holders and stops are built from heavy gauge materials with attention to every detail. This produces a product that is strong and aesthetically pleasing.



Finished pivots



Decorative turn knob finished same as track



Finished end caps recessed in channel

Features

- ANSI/BHMA Certified: All 590 and 690 series holders & stops are ANSI/BHMA Grade 1 Certified
- Heavy duty architectural bronze construction
- UL Classified: The 590, 690, 1530 and 1540 stops are UL 10B and UL 10C classified as a miscellaneous fire door accessories
- Corrosion resistance: Metal construction provides corrosion resistance in a variety of conditions
- Holder Selector: 590 and 690 series holders are equipped with a turn knob to activate and deactivate the hold open function
- Zinc end caps
- Through-bolts capture channel and end caps
- Heavy duty shock spring absorbs load and gradually stops door

Aesthetics:

- Metal construction provides superior quality plated finishes
- Finished End Caps: End caps recessed into channel and finished same as channel
- Finished Rivets: Fasteners used to secure the arm to the slide and the jamb bracket are polished and finished the same as the rest of the holder
- Finished holder turn lever: SARGENT 590 and 690 holders are built with a finished holder turn knob without any exposed screws
- Finished channel corners: Corners of the channels are polished to match the rest of the arm and channel

Convenience:

- Minimal number of sizes required to cover all door widths
- Standard holder sizes based on standard door widths
- Non-handed

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590 Series Heavy Duty Overhead Surface Mount

Holders & Stops

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Interior or Exterior – High Traffic Doors

590 Series

- Surface application for exterior and interior single acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
- All holders/stops are installed for a particular degree of hold open or stop ranging from 85° – 110°

ANSI/BHMA A156.8 Grade 1

590H Series BHMA Certified to CO2511
590S Series BHMA Certified to CO2541

UL Classified

- SARGENT 590 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Door stops are not fire rated. The door and frame carry the fire rating

Hold-Open Models

- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension

Accessories

Shims

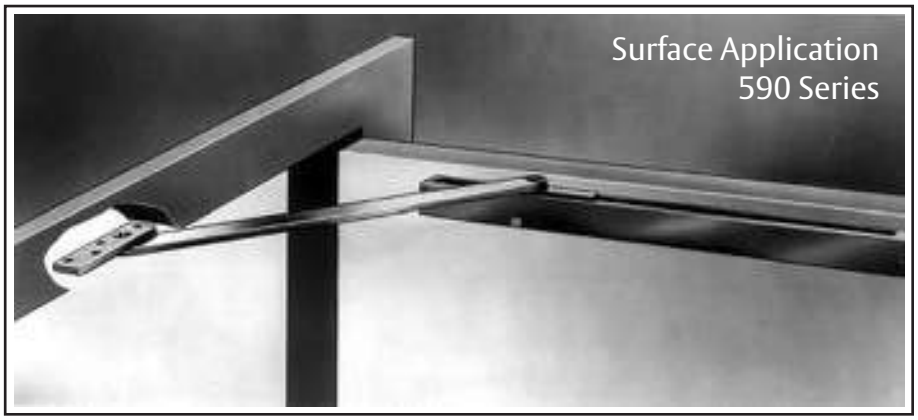
- Optional 1/4" thick jamb bracket shims for use with frames with blade stops
- Order as required by 21-0104 x finish with screws listed below

Machine Screws

- Used with above 590 shims up to 3/4" thick. 01-3454 x finish, 4 required (1/4-20 x 1-1/4")
- Standard screw pack for 1-3/4" – 2" door. 21-2302 x finish

No. 195 Angle Bracket

For Flush Door and Frames
590 Series holders can be mounted on flush door and frame assemblies through the use of the SARGENT 195 Angle Bracket. This handed bracket allows the mounting of the Jamb bracket to the top casing.



597H shown

Specifications

For Doors	Exterior and interior doors from 24" – 60" wide* and for doors 1-3/4" – 2" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D EN, EB, ED, EP, EAB, and BSP
Fasteners	Wood screws, machine screws, through-bolts, Mortise nuts supplied as standard for 1-3/4"– 2" thick doors. For doors more than 2" and less than 3-1/4", use 31– option and specify thickness
Options	**31-** Doors 2-1/4" – 3-1/4" thick, specify door thickness **36-** Torx security machine screws for exposed screws on doors up to 2" thick. 6 per holder/stop **CPC-** Clear Powder Coat

* **When using vertical rod exit devices and/or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

How to Order

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-SG-597H x 04 x 2-1/2" door

	Sizing Chart	
Actual Width of Door	**Stop with Hold-open**	**Stop Only**
24" – 32-1/2"	597H	597S
32-5/8" – 39-1/8"	598H	598S
39-1/4" and over	599H	599S

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690 Series Heavy Duty Overhead Concealed Mount

Holders & Stops

SARGENT® ASSA ABLOY

Interior or Exterior – High Traffic Doors

690 Series

- Concealed application for exterior and interior single or double acting doors
- Two types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
- Both series can be mounted to stop the door at any angle from 85° – 110°
- Non-handed (Reversible)

ANSI/BHMA A156.8 Grade 1

690H Series BHMA Certified to CO1511
690 S Series BHMA Certified to CO1541

UL Classified

- SARGENT 690 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

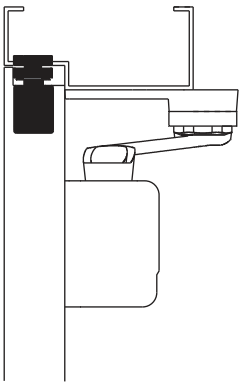
Hold-Open Feature

- Convenient knob provides simple "on-off" control of hold-open feature
- Adjustable release tension

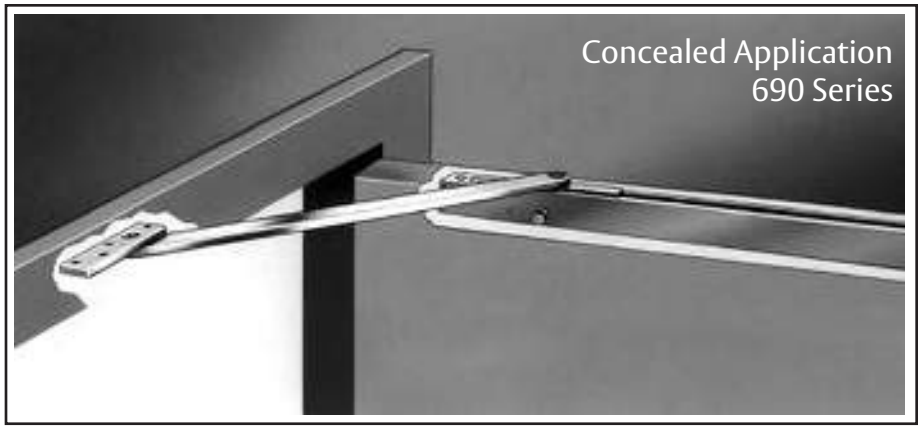
Accessories

- Standard screw packs

690H Series	21-2263 x finish
690S Series	21-2267 x finish



351-P10 shown with 697S on a single acting door



697H shown

Specifications

For Doors	Exterior and interior doors from 24" – 60" wide*. For doors 1-3/8" – 1-3/4" thick standard, Available for doors up to 3-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EP, EAB, and BSP
Fasteners	Wood screws and machine screws provided and specify thickness
Options	**31-** Doors 2" – 3-1/4" thick, specify door thickness **36-** Torx Security machine screws. 8 required **CPC-** Clear Powder Coat

How to Order

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-CPC-697H x 03 x 2" door

	Sizing Chart	
Actual Width of Door	**Stop with Hold-open**	**Stop Only**
24" – 32-1/2"	697H	697S
32-5/8" – 39-1/8"	698H	698S
39-1/4" and over	699H	699S

* **When using vertical rod exit devices and/or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

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1540 Series Standard Duty Overhead Surface Mount

Holders & Stops

SARGENT® ASSA ABLOY

Interior – Medium Traffic Doors

1540 Series

- Surface application for interior single acting doors. Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open
- Holder/Stop is surface mounted with arm and bracket attached to top jamb

Hold Open With Stop Type:
- Holds door open for a particular degree from 85° – 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:
- Used to stop door with shock absorber spring
- Protects wall and door
- Maximum door opening 110°

Friction Type:
- Prevents unwanted movement of door
- Not for use with a door closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control

ANSI/BHMA A156.8 Grade 1

1540 F Series complies to C05531
1540 H Series complies to C05511
1540 S Series complies to C05541

UL Classified

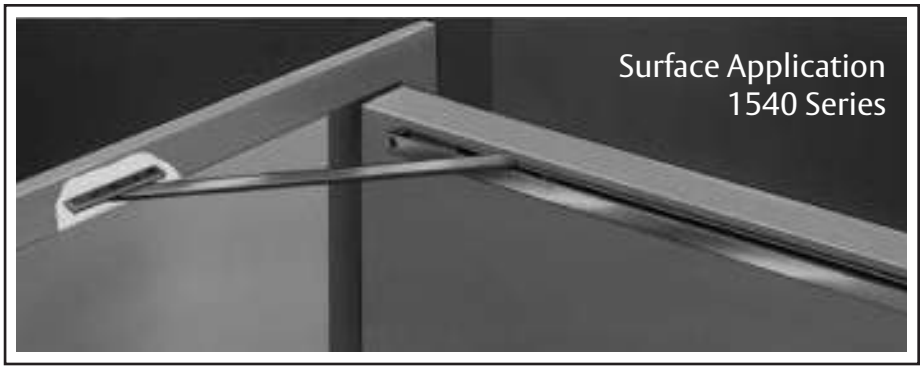
- SARGENT 1540 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Accessories

Shims
- Optional 1/4" thick jamb bracket shims for use with frames with blade stops.

Machine Screws
- Order as required by 21-0198 x finish
- Used with above shims up to 3/4" thick. Four required per overhead. Order by 01-3436 x finish (12-24 x 1-1/4")
- Standard screw pack 21-2031 x finish



1548S Shown

Specifications

For Doors	Interior doors 18-1/2" up to 48" wide*, 1-3/8" to 1-3/4" thick standard, Available for doors up to 2-1/4" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, EN, EB, ED, EAB, EP and BSP
Options	**31-** Doors 1-7/8" – 2-1/4" thick, specify door thickness **36-** Torx Security machine screws. 6 required **CPC-** Clear Powder Coat

How to Order

Specify options, number, letter designation, finish and door thickness as required

Example: 31-CPC-1537F x 26D x 2" door

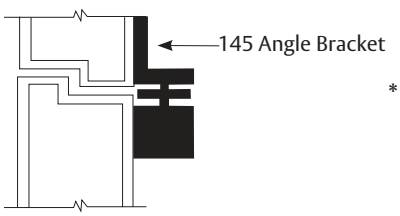
1540 Series furnished with through-bolt and grommet nut for mounting on doors, 1-3/8" – 1-3/4" thick only. For other doors up to 2-1/4" thick, specify thickness when ordering. For center hung pivots, consult factory.

	Sizing Chart		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Stop/Holder**
18-1/2" – 25"	1546H	1546S	1546F
25-1/8" – 32-1/2"	1547H	1547S	1547F
32-5/8" – 40"	1548H	1548S	1548F
40-1/8 – 48"	1549H	1549S	1549F

No. 145 Angle Bracket

For Flush Door and Frames

Series 1540 Overhead Door Holders can be mounted on flush doors and frames using the No. 145 Angle Bracket. This bracket allows the mounting of the arm to the top casing. Bracket is not handed.



145 ANGLE BRACKET SHOWN WITH 1540
WITH FLUSH TRANSOM OR RABBETED DOORS

* **When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

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1530 Series Standard Duty Overhead Concealed Mount

Holders & Stops

SARGENT® ASSA ABLOY

Interior – Medium Traffic Doors

1530 Series

- Concealed application for interior single or double acting doors opening to 110°
- Three types to choose from:
  - "H" Holder; Stops and Holds doors open
  - "S" Stop; Stops door only
  - "F" Friction Type; Holds door open
- Holder/Stop is concealed with arm and bracket mortised into jamb

Hold-Open With Stop:

- Holds door open for a particular degree from 85° to 110°
- Hold-open feature engages and releases easily by a push or pull action
- Release tension is easily adjustable

Stop Only Type:

- Used to stop door with shock absorber spring
- Protects wall and door
- Maximum door opening 110°

Friction Type:

- Prevents unwanted movement of door
- Not for use with a door closer
- Can be held in any position up to 110°
- Friction unit is made of heavy duty brake lining type material
- Adjustable friction control for varying conditions

ANSI/BHMA A156.8 Grade 1

1530F Series complies to C04531
1530H Series complies to C04511
1530S Series complies to C04541

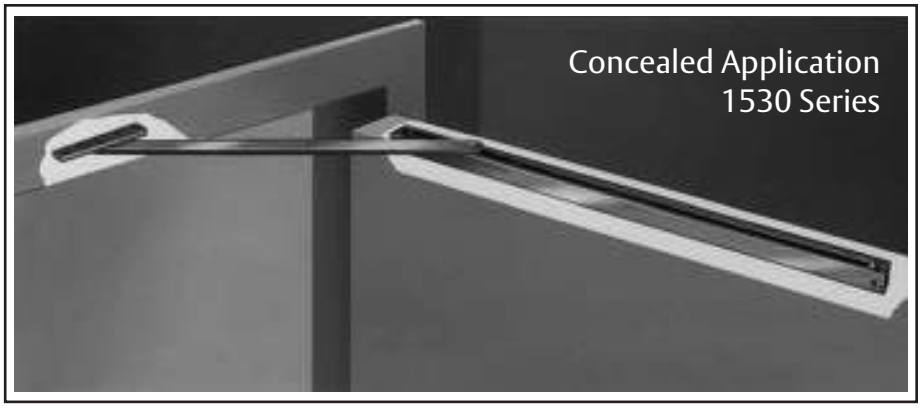
UL Classified

- SARGENT 1530 Series stops are UL 10B & 10C classified by Underwriter Laboratories as Miscellaneous Fire Door Accessories

Note: Stops are not rated. The door and frame carry the fire rating

Accessories

- Standard screw pack 21-2019 x finish



1538 S shown

Specifications

For Doors	Interior doors 19" up to 48" wide*, 1-3/8" – 1-3/4" thick, as standard. Available for doors up to 2" thick, use 31- option and specify thickness
Finishes	03, 04, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, and EN, EB, ED EAB, EP, and BSP
Fasteners	Wood screws, machine screws provided as standard
Options	**31-** Doors 1-7/8" – 2" thick, specify door thickness **36-** Torx Security machine screws. 6 required **CPC-** Clear Powder Coat

* **When using vertical rod exit devices and or surface/flush bolts, use caution in choosing the proper size to ensure compatibility**

	Sizing Chart		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Stop/Holder**
19" – 25"	1536H	1536S	1536F
25-1/8" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

	Sizing Chart For Center Hung Pivots Only		
Actual Width of Door	**Hold-Open with Stop**	**Stop Only**	**Friction Stop/Holder**
21-1/4" – 26-5/8"	1536H	1536S	1536F
26-3/4" – 32-1/2"	1537H	1537S	1537F
32-5/8" – 40"	1538H	1538S	1538F
40-1/8" – 48"	1539H	1539S	1539F

How to Order

Specify options, number, letter designation, finish and door thickness as required.
Example: 31-CPC-1537F x 26D x 2" door

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1560 Series Electromagnetic Door Holders

Holders & Stops

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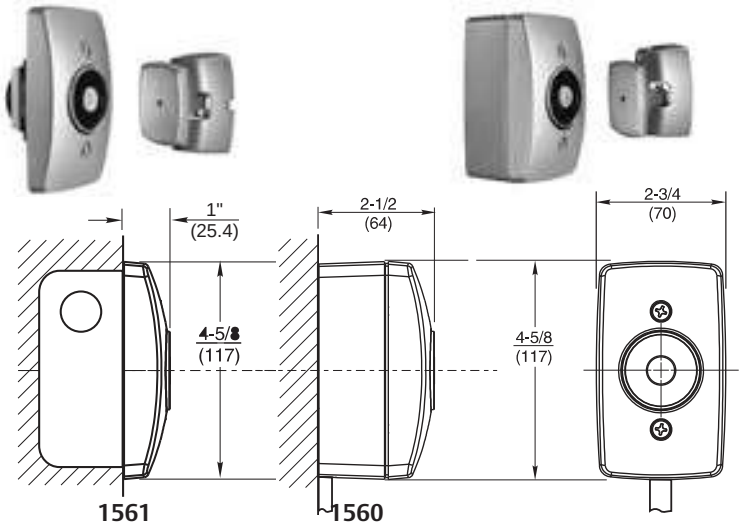
Electromagnetic Door Holder

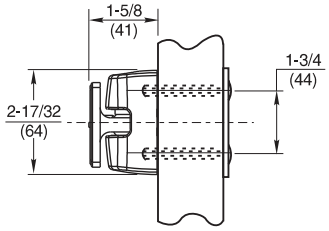
- Designed for use with self-closing fire and smoke barrier doors
- Use independently or with any fire or smoke detector system
- When de-activated, helps control the spread of fire and smoke by automatically releasing doors from an open position for simultaneous closing
- Fail-safe device: When electrical power fails, doors will release to close automatically
- Conforms to devices outlined in National Fire Protection Agency Standards Nos. 80 and 101
- Designed to work with SARGENT door closers
- Recommended vertical location is on top rail of door – within 6" of lock stile edge
- When applications will not allow wall or floor magnets, consult SARGENT's FireGuard catalog for our line of Electronic Closer Holders
- Fits standard outlet box
- Holding force – 35 lbs typical
- Voltage and Current:
  120 VAC, 60 Hz., .020 amp
  24 VAC/DC, 60 Hz., .020 amp
  12 VDC, .040 amp
- Finish – EN
- Meets ANSI/BHMA A156.15
- UL Listed to U.S. and Canadian safety standards
- 1" (25mm) extension p/n 52-2573 included standard to increase armature projection to 2-5/8" (67mm)
- Order as:
  1561 for Flush Mount
  1560 for Surface Mount
  1562 for Single Floor Mount
  1563 for Double Floor Mount

Wall Mount

1561 Flush Mount

1560 Surface Mount



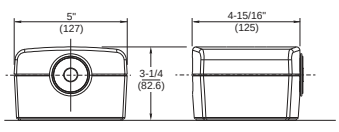


Floor Mount

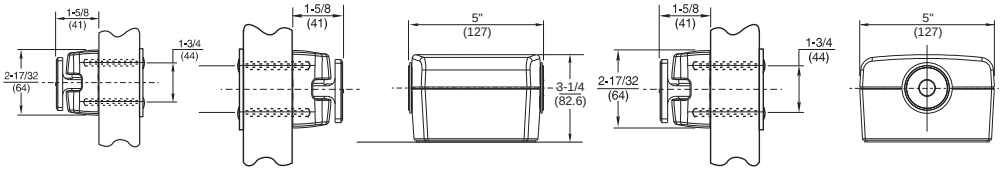
1562 Single Floor Mount

1563 Double Floor Mount





1562



1563

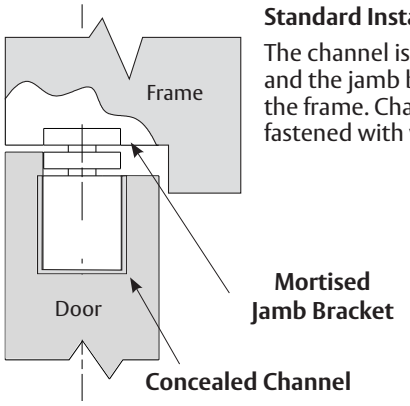
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Overhead Holder & Stop Installations

Holders & Stops

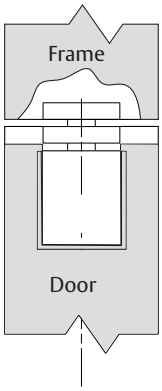
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Concealed Mounting (690 or 1530 Series)



Standard Installation

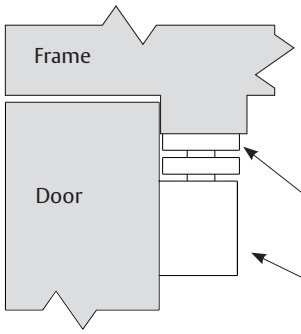
The channel is mortised into the door and the jamb bracket is mortised into the frame. Channel and jamb bracket fastened with wood or machine screws.



Double Acting Doors

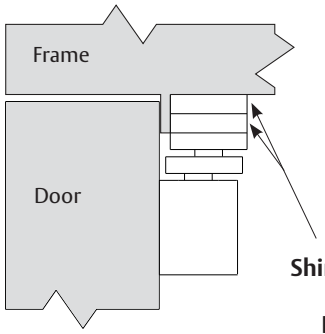
This mounting is similar to the standard concealed mounting with additional door prep to allow for arm clearance on both sides of door.

Surface Mounting (590 or 1540 Series)



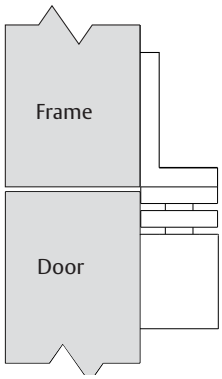
Standard Push Side Installation

The jamb bracket is surface applied to the stop and the channel surface applied to door.



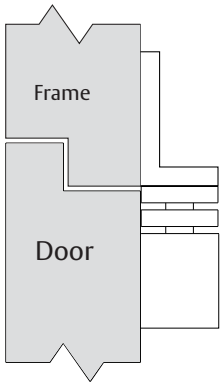
Blade Stop Frame Install

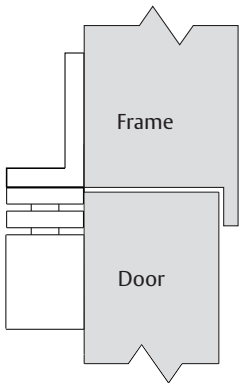
Similar to the above, except jamb bracket shims are used as required.



Flush Frame Push Side Installation

Use the 145 angle bracket for the 1540 series or 195 angle bracket for the 590 series.





Flush Frame Pull Side Application

Use the 145 angle bracket for the 1540 series.

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Finishes & Door Closer Compatibility Chart

Holders & Stops

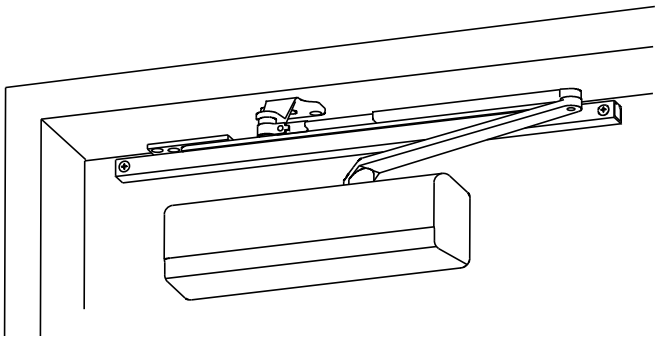
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Note: EN Finish standard for 1560 Series, consult factory for other painted colors

Frequently Used SARGENT Door Closers with Overhead Holders and Stops

- **Standard Door Closer Applications (PULL SIDE MOUNT)**

  590 Series with 281, 351, 1431 Series with "O" Arm
  690 Series with 281, 351, 1431 Series with "O" Arm
  1530 Series with 281, 351, 1431 Series with "O" Arm
  1540 Series with 281, 351, 1431 Series with "O" Arm



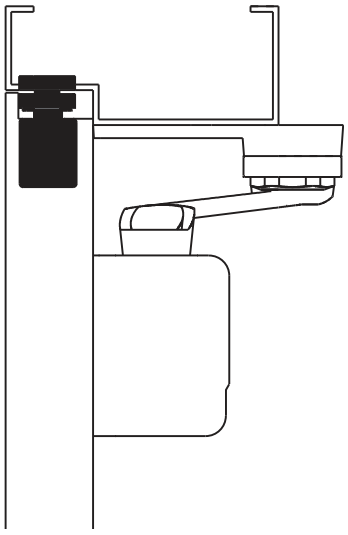
1430-P3 Shown w/1548S

- **Parallel Arm Door Closer Applications (PUSH SIDE MOUNT)**

  590 Series with 281, 351, 1431 Series with "P3" Arm
  690 Series with 281, 351, 1431 Series with "P9" Arm
  690 Series with 281, 351, 1431 Series with "P10" Arm
  1530 Series with 281, 351, 1431 Series with "P9" Arm
  530 Series with 281, 351, 1431 Series "P10"
  1540 Series with 281, 351, 1431 Series with "P3" Arm

- **Parallel Arm Door Closer Applications Used with a Flush Frame**

  590 Series with 281, 351, 1431 Series with "P4" ARM
  690 Series with 281, 351, 1431 Series with "P4" ARM
  1530 Series with 281, 351, 1431 Series with "P4" ARM
  540 Series with 281, 351, 1431 Series with "P4" ARM



351 P10 Shown w/697S

- **Inverted Top Jamb Applications**

  590, 690, 1530, 1540 Series with 281, 351, 1431 Series and "O" OZ, OZA arm

Note: This chart is only a quick reference. Some applications may require the use of 145 or 195 angle bracket

Contact factory for special applications.

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ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90124 12/18

Product Catalog

SARGENT
ASSA ABLOY

80 Series
Exit Device



Experience a safer
and more open world

SARGENT
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80 Series

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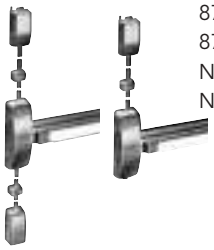
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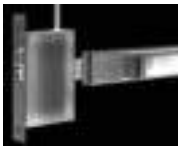
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Features and Innovations

80 Series

SARGENT manufactures a full line of exit devices including vertical rod, rim and mortise for both standard and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics and innovation and are perfect for applications such as commercial office buildings, medical and educational institutions.

Simplicity

- Easy installation and maintenance-free design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- Few moving parts – less wear
- Modular construction

Strength & Durability

- Made of finest component materials
- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

Hurricane-Resistant Products and Certifications

- UL Certified Latching Hardware and Assemblies (ZHEM & ZHLL)
- Product-specific detailed certifications and listings
- Available with Rim, Mortise, SVR & CVR devices

Innovation

- Broad offering of electro-mechanical solutions for the most demanding access/egress control applications
- **MicroShield®** anti-microbial finish coating offers a new level of protection
- **SARGuide™** exit device contains an electroluminescent touchpad to enhance the visibility of exit locations in dark or smoke-filled passages and effectively improve the safety of any public building
- CTL (Center and Top Latching) Vertical Rod Devices offer less bottom rod convenience with true center latching for added security

Security

- Double cylinder functions available
- Torx® and spanner screws
- Anti-vandal trim options
- Master keying with SARGENT Security Key systems available (Signature, Keso F1, Keso and XC)

EcoFlex™ Technology



- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

MicroShield® Coating

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of the respective ASSA ABLOY Group company.

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

SARGuide™

The TL- SARGuide Electroluminescent exit device increases visibility of exit locations in dark or smoke-filled passages, supplementing existing codes for egress lighting.

- SARGuide utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.
- Can be wired in conjunction with Fire Alarm system or can be wired for continuous operation.
- UL Listed for use on panic (UL 305) and fire-rated (UL 10C) exit devices.

The PL- SARGuide Photoluminescent Exit Device is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A.
- Recharges from ambient light.
- No wiring or maintenance needed.





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UL Fire Door Ratings and Openings Sizes

80 Series

SARGENT
ASSA ABLOY

Maximum Door Opening-Fire Doors

Type	Exit Device	Door Material	Single Door	with 12-HC980 or 12-980 or 12-HCL980 Mullion	with 12-L980	with 12-HD980 Mullion	VR/VR Doors Swing Same Direction	SVR/Mortise Doors Swing Same Direction	CVR/Mortise MD Doors Swing Same Direction	CVR/Mortise WD Doors Swing Same Direction	VR/VR Double Egress
Rim	12-8800	Metal	3 Hour 4' x 10'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 10'	—	—	—	—	—
	12-8500	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—	—	—
Mortise Lock	12-8900	Metal	3 Hour 4' x 10'	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 10'	—	—
	12-8300	Metal	3 Hour 4' x 10'	—	—	—	—	—	3 Hour 8' x 10'	—	—
SVR	12-FM8700	Metal	3 Hour 4' x 8'	—	—	—	3 Hour 8' x 8'	—	—	—	—
	12-8700	Metal	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	3 Hour 8' x 8'
	12-NB8700	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
CVR	12-MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'
	12-NB-MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
	12-MD8400	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'
	12-NB-MD8400	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
CVR/Mortise	12-LS8600	Metal	3 Hour 4' x 10'	—	—	—	—	—	—	—	—
	12-LP8600 & 12-LR8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Notes:

- Please contact door manufacturer for specifications regarding fire door construction.
- Consult wood door manufacturers for current UL listing.

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Windstorm Certifications

80 Series

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320 (2014)	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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8888/8810 Multi-Function Rim Exit Device and Trims

80 Series

SARGENT
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8888/8810 Multi-Function exit device and trim

- Device & trim sold separately; easy to mix and match
- Designed for standard width stile applications on wood and metal doors
- 7 functions available as determined by the trim function
- 3 trim designs available:
  - 700 ET Controls
  - 88 Lever & Rose trim
  - Pull trims
- Single and double door applications with a mullion

The 8888/8810 Rim Exit Device

- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Device is non-handed
- ANSI/BHMA architectural finishes
- Four standard sizes available

To Order: Specify options, 8888 or 8810, Rail Size and Finish
Example: 12-19-8888F x 32D

Specifications

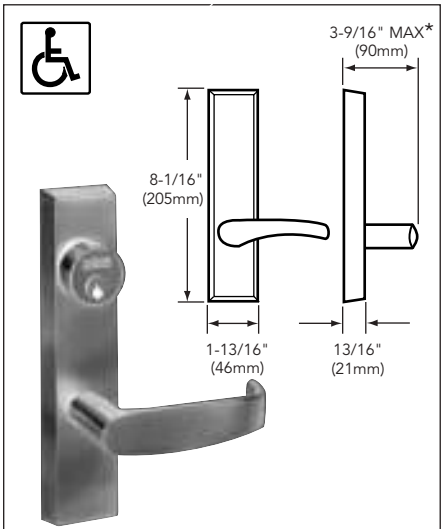
Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Mounting	Supplied standard with wood and machine screws Available with through-bolts and mortise nuts
Chassis Cover	Cold drawn stainless steel, brass or bronze with ANSI/BHMA Finishes
Chassis	Nonferrous alloy (Panic) Ferrous alloy (Fire Rated)
Rails	Roll Formed Stainless Steel, Brass or Bronze with ANSI/BHMA Finishes
Hand	Non-handed
Dogging Feature (Non 12- only)	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Latchbolt	Stainless steel, 3/4" (19mm) throw
Strike	649 Strike supplied standard for panic & fire rated openings
Fire Exit Hardware	See chart - Page 6

Rail Chart

- Rails are available in 4 sizes, use door width to determine size needed.
- Rails will be factory cut to size if door width is supplied or can be cut in the field

Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43' to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

700 Series ET Control



The 700 Series ET Control is sold separately from the exit device and can be used with 8888 & 8810 Exit Device. The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 7 functions and SARGENT Studio, Coastal and standard lever designs to accommodate most requirements.

- ANSI/BHMA Finishes
- Easy operating lever handle allows convenient one hand operation
- ET trim is not available in 32 or 32D
- Stainless steel levers are available

88 Lever and Rose Trim

LB
ROSE: L
LEVER: B



- The 88 Lever and Rose Trim is sold separately from the exit device and can be used with 8888 & 8810 Exit Device.
- The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 4 functions and 4 lever designs to accommodate most requirements.

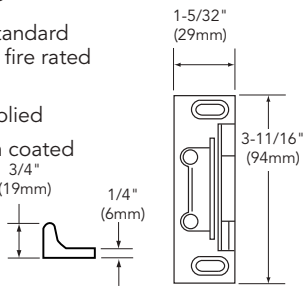
688 Trim Retrofit Kit



- 688 Trim Retrofit kit allows an 8810/8888 rim exit with an ET to replace Von Duprin's 98/99 series exit with trim with minimal door prep.
- Order as: 688 Kit

649 Strike

- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



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8888/8810 Multi-Function Rim Exit Device and Trims

80 Series

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How to order 8888/8810 Multi-Function Exit Devices:

Specify the following:

Options	Series	Rail	Finish
16-	8888 or 8810	F	32D

- All trims and functions listed on this page, work with 8888 & 8810 Exit Devices
- Available options listed at the right
- 8888 & 8810 are identical products and are non-handed
- Exit devices are not available in 14, 15, 26 and 26D finishes

How to order trim for 8888 & 8810 Exit Devices:

Specify the following:

Options	Trim Designation	Hand	Finish
10-	713-8 ET_*	RHR	26D
10-	88-CL_ *	Non-Handed	10B
60-	814-MSL	RHR	04

*Specify lever design
Available Options listed at the right

Options

Exit	Trim
12- *16- 19- 43- 5CH- GL- CPC- LC- LD- PL-	10- 11- 11-70- 11-72-7P- 11-73-7P- 21- 22- 60- 63- 64- +70- +72- +73- +73-7P- +65-73- +65-73-7P- BR- LC- SC- SE- ++ SF- *** SG-

* Supplied with standard 41 cylinder, for cylinder options, see trim options

** Only available with 15, 26D and 32D finishes

\+ Single crossed options are not available with 88 Lever & Rose Trim with J Lever

++ Double Cross options are only available with 88 Lever & Rose Trim

700 Series ET Trim



700 Series ET Controls

To order: Specify options followed by trim designation, lever design, hand and finish (as shown to the right).

Example: 11-SG-713-8 x RHR x 10B

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	Trim Designations
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	704 ET_ x Hand & Finish
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	710 ET_ x Hand & Finish
13	08	Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	713-8 ET_ x Hand & Finish
15	14	Passage Only (No cylinder)	715-8 ET_ x Hand & Finish
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	740 ET_ x Hand & Finish
43	08	Freewheeling Trim - Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	743-8 ET_ x Hand & Finish
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	744 ET_ x Hand & Finish

Note: ET trim is not available in 32 (629) or 32D (630)

88 Lever and Rose Trim

To order: Specify options followed by trim designation, lever design and finish (as shown to the right).

Example: 10-SG-88-CLP x 26D



ANSI Function Numbers	Description	Trim Designations
03	Key Retracts Latch Cylinder Supplied	88-KL_ x Finish
02	No outside Operation (No Cylinder) Dummy Trim	88-DL_ x Finish
08	Key Outside Unlocks/locks Trim Cylinder Supplied	88-CL_ x Finish
14	Passage Only (No cylinder)	88-LL_ x Finish

Lever Designs available for 88 Lever & Rose Trim are L, B, J & P

Note: For 88 Lever & Rose trim, the 1st letter is the function, the 2nd is the "L" Rose Design & the 3rd is the lever design specified

Keyed & Non Keyed Pull Trim for 8888 & 8810 Devices

Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify options, designation, finish & hand

Example: 10-SG-814-FSW x 04 x RHR

Trim Designations



SARGENT Function #'s	ANSI	Description & Cylinder Info. (1-3/4" Door)					
04	03	Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS

Note: 88 Lever & Rose trim & ET's are not available in 32(629) or 32D(630)

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls, except for cylinder hole located 3/8" (9mm) lower

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8800 Rim Exit Device

80 Series

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ASSA ABLOY

8800 Series
Rim Exit Device



8800 Features

- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications — 8800 Series Rim Exit Device

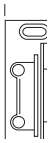
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option



- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

688 Trim Retrofit Kit



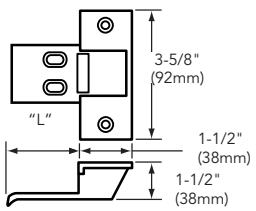
- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.

* Except for 16 function

- Order as: 688 Kit

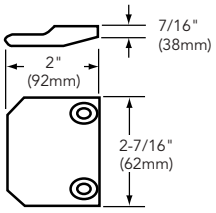
Alternate Strikes For 8800 Rim Devices

642 Strike



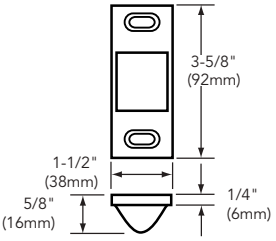
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated

613 Strike



- Half mortised. Black nylon coated

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8800 Functions and Trims

80 Series

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Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8806 x ET_
10	01	No outside operation (No Cylinder)	8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8813 x ET_
15	14	Passage Only (No cylinder)	8815 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied	8816 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8846 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	8873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	8874 x ET_
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	8875 x ET_
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Options

8800

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
** SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with 8816
** Only available with 15, 26D and 32D finishes

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

Series



8800
Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.
Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW & FSW trims are not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8900 Mortise Lock Exit Device

80 Series

SARGENT
ASSA ABLOY

8900 Series

Mortise Lock Exit Device



8900 Features

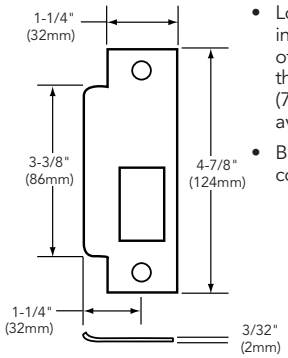
- Designed for standard width stile applications on wood and metal doors
- Concealed single point guarded latching for additional security
- Also available as a WS8900 for additional certifications and listings, see Hurricane-Resistant section of this catalog
- Single door applications
- Double door applications with Vertical Rod
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications for 8900 Mortise Lock Exit

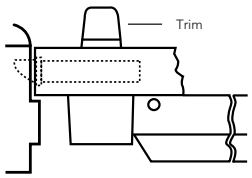
Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/DeadLatch	Brass Nickel Plated, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

C908 Standard Strike

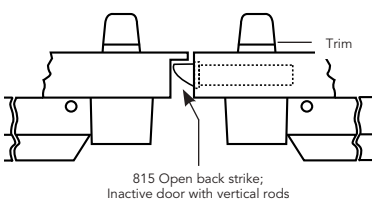
- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated



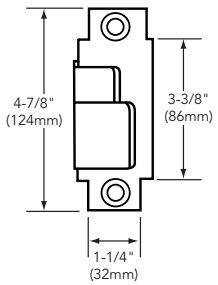
Single Door



Pair of Doors



815 Open Back Strike



- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- "B" label

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8900 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	F1-83-	89	13	F	ETL	RHR	26	32	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8900 Series: 704, 706, 710, 713, 715, 716, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	8904 x ET_
06	09	Key unlocks Trim, Trim retracts Latch/ Trim relocks when key is removed #41 Cylinder Supplied	8906 x ET_
10	01	No outside operation (No Cylinder)	8910
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8913 x ET_
15	14	Passage Only (No cylinder)	8915 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #46 & I/S #34 Cylinder Supplied	8916 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder) Dummy Trim	8940 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8943 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8944 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	814	814-FLW	814-MAL	814-PTB	814-STS	Series 8900 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8928 x Trim Designation
63	05	Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8963 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks Trim; O/S #34 & I/S #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8966 x Trim Designation

Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW trim is not available in 32(629) or 32D(630).
Note: Thumbpiece trims used with 8900 mortise lock exit devices are handed.
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8900

Mechanical Options:
12-
16-
19-
23-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
** SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with the following functions: 04 x ET, 16, 44, 75 & 76
** Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8700 Surface Vertical Rod Exit Device

80 Series

SARGENT
ASSA ABLOY



8700 Series
Surface Vertical Rod Exit Device

Features

- Two point latching (top & bottom with adjustability through center case)
- Standard bottom latch compatible with latch track thresholds (by others)
- Single and double door applications
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Also available as HC8700 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Also available as FM8700, use with StormPro Series doors, frames and hinges is required when used as a certified tornado solution. For tornado-resistant applications, see Tornado-Resistant section of this catalog
- Rods are 1/2" (13mm) brass, bronze or stainless steel

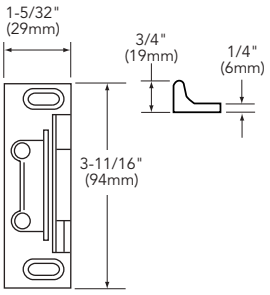
Note: The 8700 Exit Device can not be used less bottom rod. If less bottom rod is desired, specify NB8700 Series Exit Device

Specifications for 8700 Series Exit

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width with trim and 3-1/2" (44mm) minimum stile without trim
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	646 Top Strike (Panic and Fire Rated) 624 Bottom Strike; 655 Fire Rated Bottom Strike
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- ELR Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Top & Bottom Bolt	Brass, Stainless steel
Device Centerline from	41" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening - Non-fire rated doors 96" (2438mm) Max Door Opening - Fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

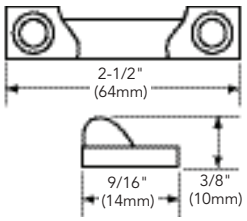
646 Top Strike

- Standard for both Panic & Fire (12-) Hardware
- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike



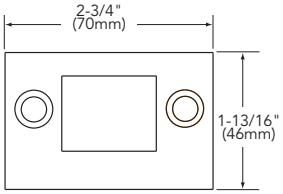
624 Bottom Strike

- Standard for 8700
- Applied to surface of floor or to a flat threshold
- Black nylon coated



655 Bottom Strike

- Standard for 12-8700 and 14-8700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike



Inside Lever Assembly for 300 Series Aux Control



Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls

Part # 97-2378

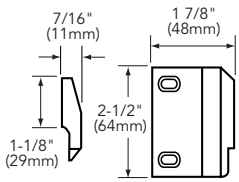
Note: 26 or 26D is automatically supplied when 32 or 32D is specified.

648 & 653 Strikes (Alternate Strikes for 8700 SVR Devices)

648 Strike

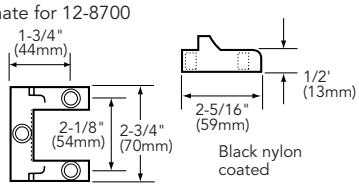
For doors having transom panel applications

Black nylon coated



653 Strike

Alternate for 12-8700



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8700 Functions and Trims

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	F1-83-	87	13	F	ETL	RHR	32D	10B	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8700 Series: 706, 710, 713, 715, 740, 743, 744, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 2 8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8706 x ET_
10	01	No outside operation (No Cylinder)*	8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8713 x ET_
15	14	Passage Only (No cylinder)	8715 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim	8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: 8773F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

300 Series++ Auxiliary Control & 862 Pull



300 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	8700 Panic & Fire
06	12	Key unlocks Turn; Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	8710 x 306
10	02	862 Pull Only (Optional Pulls: 863 & 864)	8710 x 862
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	8710 x 313

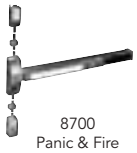
Note: When ordering 8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: 8710F x 306 x RHR x 32D x 42" x 90"

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish





8700 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						
10	02	Pull Only (No Cylinder)*	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8728 x Trim Designation
62	06	Key unlocks Thumbpiece, Thumbpiece retracts latch/ Thumbpiece relocks when key is removed #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8762 x Trim Designation
63	05	Key Outside Unlocks/ locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8763 x Trim Designation

* Cylinder Override is available with a 306 Aux Control.
Note: Thumbpiece trims for 62 and 63 function devices are identical and are identified as 66 function when trim is ordered separately.
Note: FLW trim is not available in 32(629) or 32D(630).
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Options

8700

Mechanical Options:
12-
14-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
*SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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NB-8700 Top Latch
Surface Vertical Rod Exit Device
80 Series

SARGENT
ASSA ABLOY



Features

- Single point top latching
- Top latchbolt projection adjustable through center case
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Tripping potential removed - no bottom strike
- Rods are 1/2" (13mm) brass, bronze or stainless steel

Specifications for NB-8700 Series Exit

Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile with trim and 3-1/2" (44mm) minimum stile without trim
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	646 Top Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

NB-300 Series Aux Control

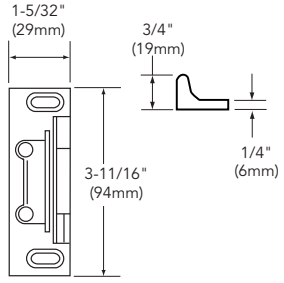
- Available as an 06 or 13 function
- Supplied with SARGENT #41 Mortise Cylinder
- NB-300 is mounted in-line with the exit chassis



Note: NB 300 Series Controls only work with NB8710 Devices

646 Top Strike

- Standard for both Panic & Fire (12-) Hardware
- Surface applied
- Fire Rated
- Black nylon coated



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NB-8700 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	12-	NB-87	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

NB-8700 Series: 706-8, 710, 713-8, 715-8, 740, 743-8, 746-8, 773-8 & 774-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 NB-8700 (Panic & Fire)
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	NB-8706 x ET_
10	01	No outside operation (No Cylinder)	NB-8710
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	NB-8710 x ET_
13	08	Key Outside unlocks/locks trim #41 Cylinder Supplied	NB-8713 x ET_
15	14	Passage Only (No cylinder)	NB-8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	NB-8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	NB-8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	NB-8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	NB-8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	NB-8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
Note: 12-NB8700 devices require thermal pins
Note: 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
* Cylinder override is not available with NB-8700 Series Devices



NB-300 Series Auxiliary Control	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	NB-8700 Panic & Fire
 NB300 Series Aux. Control	06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	NB-8710 x 306
	13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	NB-8710 x 313

Note: When ordering NB-8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: NB-8710F x NB-306 x RHR x 32D x 42" x 90"

Note: NB-300 Series auxiliary controls are only used with NB-8710 Devices.
Auxiliary controls, ordered less hardware, for use with NB-8710 are specified as a NB-306 or NB-313 x finish.

Options

NB-8700

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
* SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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MD8600(Windstorm Rated) and NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors

80 Series

SARGENT
ASSA ABLOY

MD8600 Series

Concealed Vertical Rod Exit Device for Metal Doors



Features

- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
  – NB not available with HC and WS options
- Devices are ANSI A156.3 - Grade 1
- UL Fire and Panic listed

Specifications for MD8600 & NB-MD8600 Series Exit

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening 96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

Notes:

- MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
- 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
- Must include "WS" option in the order string to specify Windstorm Rated product.

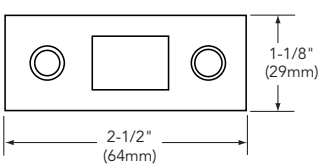
100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



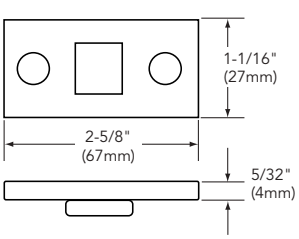
650 Top Strike

- For application in hollow metal frames
- Stainless steel nylon coated



606 Bottom Strike

- Furnished with expansion shields
- Mortised into floor
- Stainless steel



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MD8600 and NB-MD8600 Functions and Trims for Metal Doors

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	57-NB-	MD86	13	F	ETL	RHR	03	03	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

MD8600 & NB-MD8600 Series:
706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 8 MD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8606 x ET_
10	01	No outside operation (No Cylinder)*	MD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8613 x ET_
15	14	Passage Only (No cylinder)	MD8615 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)** Dummy Trim	MD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	MD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	MD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor.
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

Note: NB8774 or NB8773 with 306 Aux needs to be ordered as a special request labeled "Alternate Construction". When ordered as a pair the inactive leaf should be ordered this way as well. There will be different templating that applies.

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8610 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8610 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8610F x 106 x RHR x 32D x 42" x 90"

Options

MD8600

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
HC-
LD-
NB-
PL-
* SG-
TL-
WS-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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AD8600 and NB-AD8600 Concealed Vertical Rod Exit Device for Aluminum Doors

80 Series

SARGENT
ASSA ABLOY

AD8600 Series

Concealed Vertical Rod Exit Device for Aluminum Doors



Features

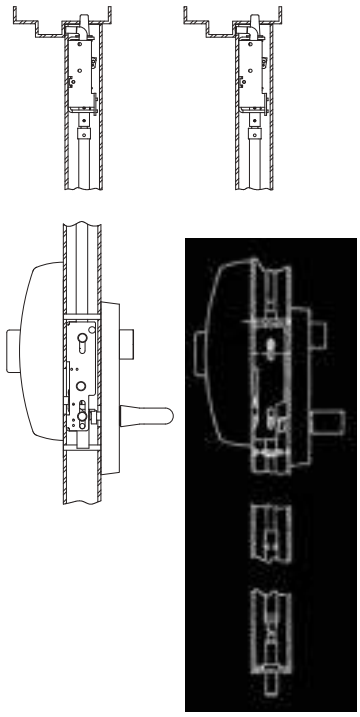
- Designed for standard width stile applications on aluminum doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) listed only

Specifications for AD8600 & NB-AD8600 Series Exit

Door Type	Aluminum Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	640 Strikes for Top & Bottom Strike
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	Must be specified - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	Not Available

Note: AD8600 can be used as NB- Device by simply not installing the bottom rod/bolt

NB-AD8600 AD8600



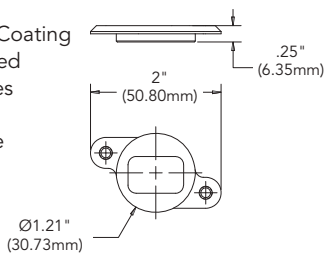
100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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AD8600 and NB-AD8600 Functions and Trims for Aluminum Doors

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	56-NB-	AD86	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

AD8600 & NB-AD8600 Series:
706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 8 AD8600 Panic
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8606 x ET_
10	01	No outside operation (No Cylinder)*	AD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	AD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8613 x ET_
15	14	Passage Only (No cylinder)	AD8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	AD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	AD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	AD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: AD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	AD8600 Panic
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	AD8610 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8610 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	AD8610 x 113

Note: When ordering AD8600/NB-AD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: AD8610F x 106 x RHR x 32D x 42" x 90"

Options

AD8600

Mechanical Options:
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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WD8600 and NB-WD8600 Concealed Vertical Rod Exit Device for Wood Doors

80 Series

SARGENT
ASSA ABLOY



WD8600 Series

Concealed Vertical Rod Exit Device for Wood Doors

Features

- Designed for standard width stile applications on wood doors
- Concealed rods offer security
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Specifications for WD8600 & NB-WD8600 Series Exit

Door Type	Wood Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 108" (2743mm) Max Door Opening - Fire rated doors 120" (3048mm) Max Door Opening - Non-fire rated doors
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

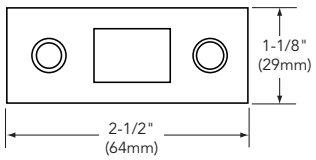
Note: WD8600 & 12-WD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

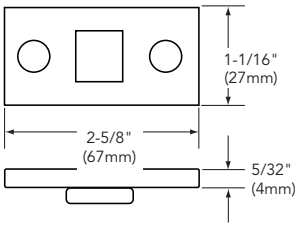


650 Top Strike



- For application in hollow metal frames
- Stainless steel

606 Bottom Strike



- Furnished with expansion shields
- Mortised into floor
- Stainless steel

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WD8600 and NB-WD8600 Functions and Trims for Wood Doors

80 Series

SARGENT
ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
58-NB-	WD86	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

MD8600 & NB-MD8600 Series:
706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 7 WD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8606 x ET_
10	01	No outside operation (No Cylinder)*	WD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	WD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8613 x ET_
15	14	Passage Only (No cylinder)	WD8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	WD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	WD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	WD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: WD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	WD8600 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	WD8610 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	WD8610 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	WD8610 x 113

Note: When ordering WD8600/NB-WD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: WD8610F x 106 x RHR x 32D x 42" x 90"

Options

WD8600

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8500 Narrow Design Rim Exit Device

80 Series

SARGENT
ASSA ABLOY



8500 Series
Narrow Design Rim Exit Device

8500 Features

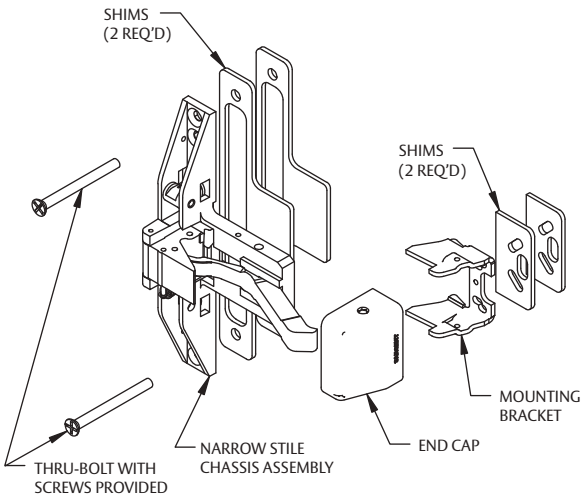
- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Specifications for 8500 Series Exit

Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	2" (114mm) minimum stile (Less Trim)
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

668 Shim Kits for 8500

- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"

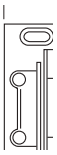


604 Wear Plate Kit

- Designed for use with narrow stile aluminum doors
- Field cut to accommodate all door frame face sizes



649 Standard Strike for 12-8500



- Surface applied
- Black nylon coated

651 Mullion Stabilizer Kit

- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

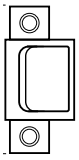


656 Mullion Strike



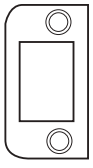
- Surface applied
- Use with 980 mullions
- Black nylon coated

657 Standard Strike for 8500



- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated

658 Strike alternative for 8500



- Packed standard with 650A mullion
- Can be ordered separately for surface application to frames
- Black nylon coated

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8500 Narrow Design Rim Exit Device Functions & Trim

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	F1-83-56	85	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8 & 774-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 4 8500 Panic
04*	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8504 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8506 x ET_
10	01	No outside operation (No Cylinder)	8510
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8510 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8513 x ET_
15	14	Passage Only (No cylinder)	8515 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8540 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8543 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	8544 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	8546 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	8573 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	8574 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

* Consult factory when using with cylinders from other manufacturers

** Cylinder override is not available with 8500 Series Devices

Trim designations

Series



8500 Panic

Pull Trim Section	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	8500 Panic
 862 Pull	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	8504 x 862 Pull only
	10	02	862 Pull Only (Optional Pulls: 863 & 864)	8510 x 862 Pull only

Options

8500

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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AD8500 Narrow Design Rim Exit Device for Aluminum Doors

80 Series

SARGENT
ASSA ABLOY



AD8500 Series
Narrow Design Rim Exit Device

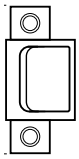
AD8500 Features

- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- Available Windstorm-rated; order WS-

Specifications for AD8500 Series Exit

Door Type	Aluminum Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	2" (114mm) minimum stile (Less Trim)
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	657 Strike, Supplied standard for panic devices 656 Strike, Supplied standard for panic devices 649 Strike, Supplied standard for fired rated devices Optional Strikes – 649, 658 Standard with 650A Mullion
Dogging Feature	Hex key dogging standard; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (77mm) Pushbar Depressed – 2-1/8" (54mm)

657 Standard Strike for 8500



- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated

651 Mullion Stabilizer Kit



- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

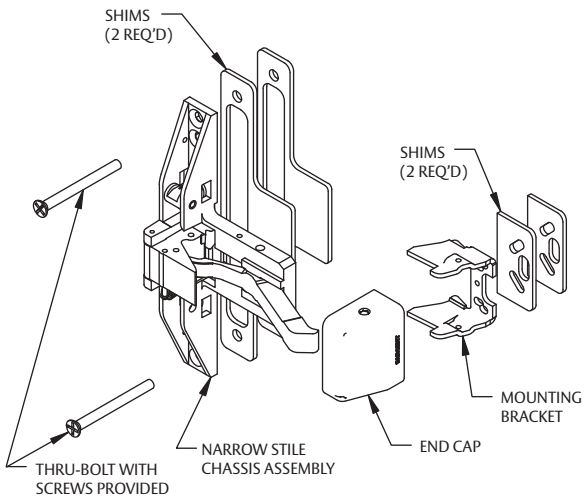
656 Mullion Strike



- Surface applied
- Use with 980 mullions
- Black nylon coated

535 Kit for Windstorm Applications (WS-AD8500)

- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8" for a total height of 1/4"
- 649 Strike Pack
- 651 Stabilizer Kit



604 Wear Plate Kit



- Surface applied
- Accommodates all sizes of door frame face

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AD8500 Narrow Design Rim Exit Device Functions & Trim

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	F1-83-56	AD85	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

AD8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8 & 774-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 4 AD8500 Panic
04*	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8506 x ET_
10	01	No outside operation (No Cylinder)	AD8510
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	AD8510 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8513 x ET_
15	14	Passage Only (No cylinder)	AD8515 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	AD8540 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8543 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	AD8544 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8546 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	AD8573 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	AD8574 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

* Consult factory when using with cylinders from other manufacturers

** Cylinder override is not available with AD8500 Series Devices

Trim designations

Series



AD8500 Panic

Pull Trim Section	SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	
 862 Pull	04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	AD8504 x 862 Pull only
	10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8510 x 862 Pull only

Options

AD8500

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
5CH-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
GL-
LD-
PL-
* SG-
TL-
WS-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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8300 Narrow Design Mortise Lock Exit Device

80 Series

SARGENT
ASSA ABLOY



8300 Series

Narrow Design Mortise Lock Exit Device

8300 Features

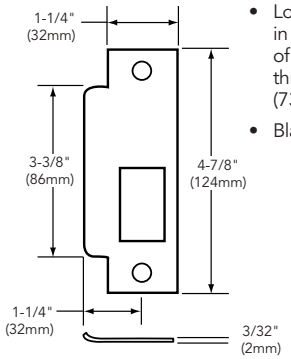
- Designed for standard width stiles with a narrow design look
- Through-bolted trim for quiet operation and security
- Single door applications
- Double door applications with Mortise Lock x Vertical Rod Device
- UL10C (Fire) and UL305 (Panic) listed
- Devices are ANSI/BHMA A156.3 - Grade 1

Specifications for 8300 Mortise Lock Exit

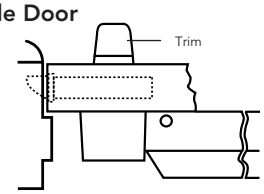
Door Type	Wood or metal doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	C908 Standard Black Nylon Coated – ANSI Prep A115.1 Optional Strikes – 815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise(sex) nuts
Latch Bolt	Brass Nickel Plated, 3/4" (19mm) throw, anti-friction
Guarded/Deadlatch	Brass, sliding type
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-5/16" (211mm) x 1-1/16" (27mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

C908 Standard Strike

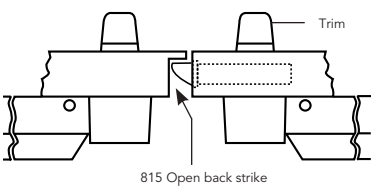
- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated



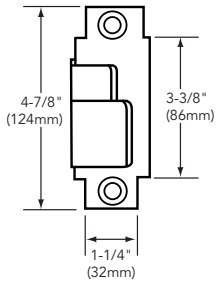
Single Door



Pair of Doors



815 Open Back Strike



- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- "B" label

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8300 Narrow Design
Mortise Lock Exit Device Functions & Trim

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	11-	83	13	F	ETL	RHR	26D	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8300 Series: 704, 710, 713, 715, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 10 8300 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	8304 x ET_
10	01	No outside operation (No Cylinder)	8310
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	8310 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8313 x ET_
15	14	Passage Only (No cylinder)	8315 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	8340 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	8343 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8344 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8375 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	8376 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Pull & Thumbpiece Trim Section

Trim designations
- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand

Series



8300 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						8300 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	8304 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	8310 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	8328 x Trim Designation
63	05	Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	8363 x Trim Designation

Note: Thumbpiece Trims used with Mortise Lock Exit Devices are handed
Note: Thumbpiece trims for 63 function devices are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

8300

Mechanical Options:
12-
16-
19-
23-
*31
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
LD-
*** SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with the following functions: 04, 44, 75 & 76
** For SC- & SE- options contact factory for availability
*** Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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MD8400 and NB-MD8400 Narrow Stile Concealed Vertical Rod Exit Device for Metal Doors

80 Series

SARGENT
ASSA ABLOY

MD8400 Series

Concealed Vertical Rod Exit Device for Metal Doors



Specifications for MD8400 & NB-MD8400 Exit

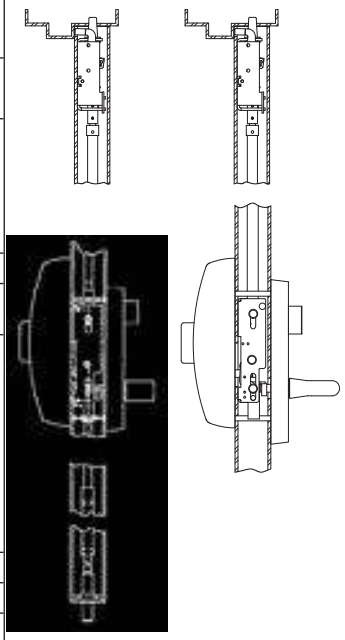
Door Type	Hollow Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

Note: MD8400 & 12-MD8400 can be used as NB- device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

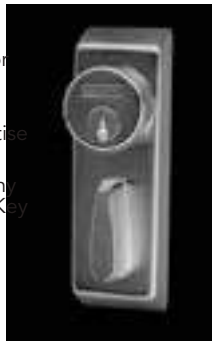
MD8400 & NB-MD8400 Features

- Designed for narrow stile applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL10C (Fire) and UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- Devices allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 - Grade 1

12-MD8400 NB-12-MD8400

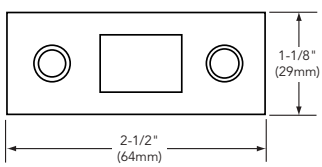


100 Series Aux Control



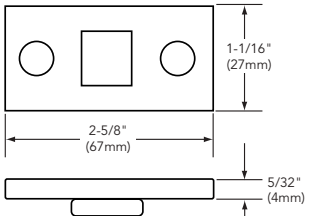
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 & 652 Strike Packs



- Stainless steel
- 650 & 652 Strike Packs contain the same strike
- 650 Strike Pack contains 1 strike for Top Bolt
- 652 Strike Pack contains 2 strikes for Top & Bottom

606 Bottom Strike (12-)



- Furnished with expansion shields
- Mortised into floor
- Stainless steel
- Bottom strike for 12-MD8400

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MD8400 and NB-MD8400 Functions and Trims for Metal Doors

80 Series

SARGENT ASSA ABLOY

How to order:

Options	Series	Function	Rail	Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
55-	NB-MD84	13		F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

MD8400 & NB-MD8400 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 8400 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8406 x ET_
10	01	No outside operation (No Cylinder)*	MD8410
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8410 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8413 x ET_
15	14	Passage Only (No cylinder)	MD8415 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	MD8440 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8443 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8446 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8473 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	MD8474 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers		MD8400 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8410 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8410 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8410 x 113

Note: When ordering MD8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8410F x 106 x RHR x 32D x 42" x 90"

Options

MD8400

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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AD8400 and NB-AD8400 Narrow Stile Concealed Vertical Rod Exit Device for Aluminum Doors

80 Series

SARGENT
ASSA ABLOY

AD8400 Series

Concealed Vertical Rod Exit Device for Aluminum Doors



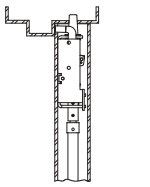
AD8400 & NB-AD8400 Features

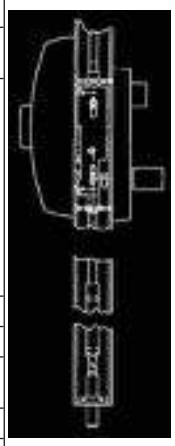
- Designed for narrow stile aluminum door applications (e.g., full glass doors)
- Concealed rods for security and aesthetics
- UL10C (Fire) and UL305 (Panic) listed
- Specify NB- for less bottom rod
- NB- device allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
- All functions determined by outside trim
- Devices are ANSI/BHMA A156.3 - Grade 1

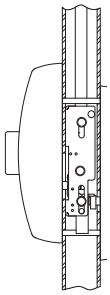
Specifications for AD8400 & NB-AD8400 Exit

Door Type	Hollow or extruded aluminum doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	1-3/4" (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8" (35mm) square
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths • F Rail for 33" to 36" door widths • J Rail for 37" to 42" door widths • G Rail for 43" to 48" door widths
Strike	640 Strike for Top & Bottom
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	Not Available

AD8400 NB-AD8400



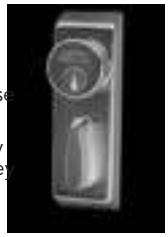




Note: AD8400 can be used as NB- Device by simply not installing the bottom rod/bolt

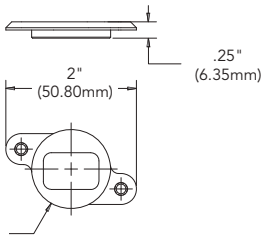
100 Series Aux Control

- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System



639/640 Strike Kits

- Steel with Black Nylon Coating
- Machine Screws Supplied
- 640 Kit contains 2 strikes (Top & Bottom)
- 639 Kit contains 1 strike (Top Only)



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AD8400 and NB-AD8400 Functions and Trims for Aluminum Doors

80 Series

SARGENT
ASSA ABLOY

How to order: Options Series Function Rail Lgth Trim Hand Outside Finish Inside Finish Door Width Door Height AFF
55- AD84 13 F ETL RHR 26D 32D 36" 84" 41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8400 & NB-8400 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 6 AD8400 Panic
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8406 x ET_
10	01	No outside operation (No Cylinder)*	AD8410
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	AD8410 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8413 x ET_
15	14	Passage Only (No cylinder)	AD8415 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	AD8440 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	AD8443 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	AD8446 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8473 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC	AD8474 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: AD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers		AD8400 Panic
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	AD8410 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	AD8410 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	AD8410 x 113

Note: When ordering 8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: AD8410F x 106 x RHR x 32D x 42" x 90"

Options

AD8400

Mechanical Options:
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
NB-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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LP8600 & LR8600 Low Profile Center & Top Latch Concealed Vertical Rods for Pair of Doors & Double Egress

80 Series

SARGENT
ASSA ABLOY



Specifications

Door Type	Factory prepped metal doors for LP & LR devices
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset
Stile	4-1/2" (114mm) minimum stile
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. • L Rail for 36" door width no cutting required • M Rail for 42" to 44" door width no cutting required • N Rail - 46" to 48" door width no cutting required
Strike	650 Top Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging
Mounting Fasteners	Supplied standard with machine screws
Top & Center Bolts	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)
Fire Exit Hardware	See Chart – Page 6

How it works: The mortise lock of the LP device has a stainless steel bolt which projects into the mortise lock of the LR device at the center of the door in addition to top bolts in each door.

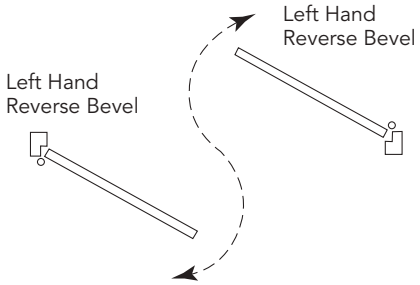
Features

- The security of a stainless steel center bolt, two concealed top bolts and a low profile device for pairs of doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 2
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Both doors are active. Either door can be opened or closed without affecting the other door. Door coordinators and open back strikes are not required
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

LP8610 Side View



Double Egress Application



Pair of Doors



Notes:
1. Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48" (914mm, 1067mm, 1118mm, 1168mm or 1219mm)

Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices

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LP & LR8600 Functions & Trims for Pairs of Doors

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	55-	LP86	13	F	ETL	RHR	14	32	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

LP8600 & LR8600 Series: 706-6, 710-6,
713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

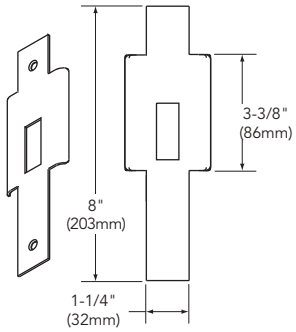
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

Note: LP & LR Exit devices should be ordered in pairs, for correct operation; one device engages the other. For single door applications, order LS Device

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 LP8600 Panic & Fire	ANSI Type 2 LR8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8606 x ET_	LR8606 x ET_
10	01	No outside operation (No Cylinder)	LP8610	LR8610
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LP8610 x ET_	LR8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LP8613 x ET_	LR8613 x ET_
15	14	Passage Only (No cylinder)	LP8615 x ET_	LR8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LP8640 x ET_	LR8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LP8643 x ET_	LR8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	LP8646 x ET_	LR8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LP8673 x ET_	LR8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LP8674 x ET_	LR8674 x ET_

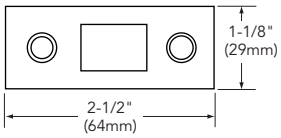
Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder override is not available with LP & LR 8600 Series Devices

68-1183 Double Lipped LR Mortise Front



- Standard for LR8600
- Stainless steel only

650 Top Strike



- For application in metal frames
- Stainless steel

Options

LP & LR8600

Mechanical Options:
12-
16-
19-
36-
37-
54-
55-
56-
56-HK-
57-
58-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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LS8600 Low Profile Center & Top Latch Concealed Vertical Rod for Single Door Applications

80 Series

SARGENT
ASSA ABLOY



Features

- The security of a stainless steel center bolt, concealed top bolt and a low profile device for single doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2" total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8" (9mm) door gap
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

Specifications for LS8600 Series Exit

Door Type	Factory prepped metal doors for LP & LR devices
Door Thickness	1-3/4" (44mm) doors only with 2-3/4" (70mm) backset
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. • L Rail for 36" door width no cutting required • M Rail for 42" to 44" door width no cutting required • N Rail - 46" to 48" door width no cutting required
Strike	650 Top Strike & C7710 Mortise Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 58- Electric Dogging
Mounting Fasteners	Supplied standard with machine screws
Top & Center Bolts	Stainless steel
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 1-1/2" (38mm) Pushbar Depressed – 5/8" (15mm)
Fire Exit Hardware	See Chart – Page 6

How it works: The mortise lock of the LS device has a stainless steel bolt which projects into the door frame at the center of the door with the additional security of a concealed top bolt.

Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices

LS8610 Side View



Notes:

1. Available for 1-3/4" (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36", 42", 44", 46" or 48" (914mm, 1067mm, 1118mm, 1168mm or 1219mm)

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LS8600 Functions and Trims

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	55-	LP86	13	F	ETL	RHR	26D	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

LS8600 Series: 706-6, 710-6, 713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 12 LS8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8606 x ET_
10	01	No outside operation (No Cylinder)	LS8610
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	LS8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Required & Supplied	LS8613 x ET_
15	14	Passage Only (No cylinder)	LS8615 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	LS8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	LS8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required & Supplied	LS8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	LS8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	LS8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder override is not available with LP 8700 Series Devices

Options

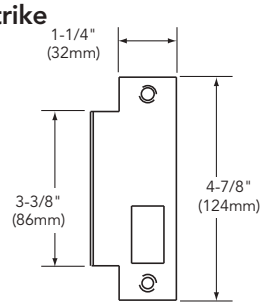
LS8600

Mechanical Options:
12-
16-
19-
36-
37-
54-
55-
56-
56-HK-
57-
58-
76-
85-
86-
87-
AL-
BT-
CPC-
LD-
PL-
* SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

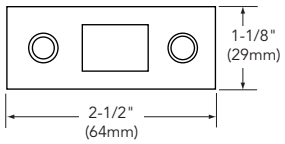
* Only available with 15, 26D and 32D finishes

C7710 Mortise Centercase Strike



- Standard for LS8600
- Handed
- Stainless steel only

650 Top Strike



- For application in metal frames
- Stainless steel
- Top strike for Panic & Fire Rated

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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MD8600 (Hurricane-Resistant) Concealed Vertical Rod Exit Device for Metal Doors

80 Series

SARGENT
ASSA ABLOY

MD8600 Series

Concealed Vertical Rod Exit Device for Metal Doors



Features

- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Specifications for MD8600 & NB-MD8600 Series Exit

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Cladding	Available for 1/4" on 1/2" panels. Specify 31- and panel thickness on order. Only available on 1-3/4" door thickness. Must be noted separately from door thickness on order string.
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	650 Top Strike & 606 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide™ Photoluminescent Coated TL- SARGuide™ Illuminated Touchpad 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with machine screws
Top Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 120" (3048mm) Max Door Opening 96" max door height for HC and WS options
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

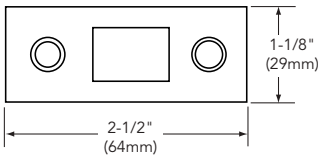
Notes:
- MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt.
- 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
- Must include "HC" option in the order string to specify Hurricane Resistant product.

100 Series Aux Control



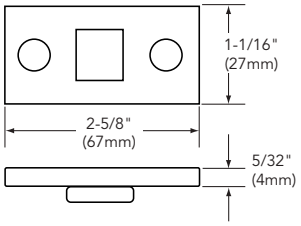
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 Top Strike



- For application in hollow metal frames
- Stainless steel nylon coated

606 Bottom Strike



- Furnished with expansion shields
- Mortised into floor
- Stainless steel

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MD8600 and NB-MD8600 Functions and Trims for Metal Doors

80 Series

SARGENT ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
57-NB-	MD86	13	F	ETL	RHR	03	03	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 8 MD8600 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8606 x ET_
10	01	No outside operation (No Cylinder)*	MD8610
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	MD8610 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8613 x ET_
15	14	Passage Only (No cylinder)	MD8615 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim	MD8640 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	MD8643 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	MD8646 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	MD8673 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	MD8674 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 106 Aux Control
Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

100 Series Auxiliary Control* & 862 Pull



100 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	MD8600 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	MD8610 x 106
10	02	862 Pull Only (Optional Pulls: 863 & 864)	MD8610 x 862 Pull
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	MD8610 x 113

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.
Example: MD8610F x 106 x RHR x 32D x 42" x 90"

Options

MD8600

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
5LH
57-
58-
59-
BC-59-
76-
85-
86-
87-
AL-
BT-
CPC-
HC-
LD-
NB-
PL-
* SG-
TL-
WS-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant HC8800 Rim Exit Device

80 Series

SARGENT
ASSA ABLOY

HC8800 Series
Rim Exit Device



Features

- Designed for standard width stile applications on metal doors. For doors 1-3/4" (44mm) thick.
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door
- J Rail for 37" to 42" door widths, No cutting required for 42" door
- G Rail for 43" to 48" door widths, No cutting required for 48" door

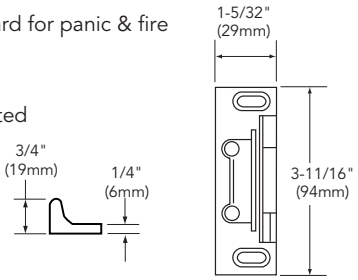
Note: For additional information on 8800 Series, see page 9

HC8800, 12-HC8800 Series Rim Exit Device

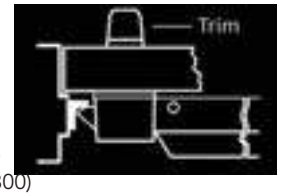
- Chassis: ductile iron
- Requires 2 chassis shims and 2 end bracket shims included with the exit device
- Additional information on HC980 Mullions available in Mullion Section of this catalog

649 Strike

- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

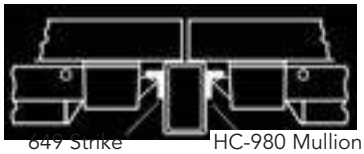


Single Door



(HC8800)
(12-HC8800)

Double Door HC-8800 with HC-980 Mullion



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UL Listed Hurricane-Resistant HC8800 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	12	HC88	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

HC-8800 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 HC8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	HC8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8806 x ET_
10	01	No outside operation (No Cylinder)	HC8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	HC8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8813 x ET_
15	14	Passage Only (No cylinder)	HC8815 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	HC8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	HC8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8846 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	HC8875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, \Key Retracts Latch #34 Cylinder Supplied	HC8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
• 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with Trim
- Use the six digit designation (Ex "814-MSL") when ordering trim without an Exit Device, always specify finish

Pull Section

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	Series HC800 Panic & Fire
04	03	Night Latch-Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	HC8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC8810 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower
Note: FLW & FSW trims are not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options for HC8800

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
54-
55-
56-
56-HK-
57-
58-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant WS8800 Rim Exit Device

80 Series

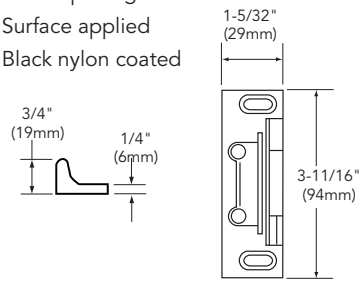
SARGENT
ASSA ABLOY

WS8800 Series
Rim Exit Device



649 Strike

- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



Features

- WS 8800 available for single hollow metal door applications for 1-3/4" thick door, 3'0" x 7'0" max, with 6" min stile
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8800 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

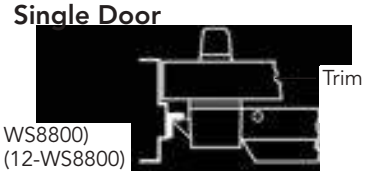
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8800 Series, see page 9

WS8800, 12-WS8800 Series Rim Exit Device

- Chassis: Non Fire Rated - Nonferrous alloy
- Requires 3 chassis shims and 3 end bracket shims included with the exit device

Single Door



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UL Listed Hurricane-Resistant WS8800 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	12	WS88	13	F	ETL	RHR	15	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

HC-8800 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 WS8800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	WS8804 x ET_
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8806 x ET_
10	01	No outside operation (No Cylinder)	WS8810
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	WS8810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8813 x ET_
15	14	Passage Only (No cylinder)	WS8815 x ET_
40	02	Freewheeling Trim - No outside Operation (No Cylinder) Dummy Trim	WS8840 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8843 x ET_
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	WS8844 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8846 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied	WS8875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied	WS8876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Options for HC8800 &WS8800

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
54-
55-
56-
56-HK-
57-
58-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "810-MAL") when ordering trim without an Exit Device, always specify finish

Pull Section

Series



WS800 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						WS8804 x Trim Designation
04	03	Night Latch-Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STS	
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	WS8810 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower
Note: FLW & FSW trims are not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant WS8900 Mortise Lock Exit Device

80 Series

SARGENT
ASSA ABLOY

WS8900 Series
Mortise Lock Exit Device



Features

- WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- Requires 4 chassis shims and 4 end bracket shims to be included with exit device
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8900 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied

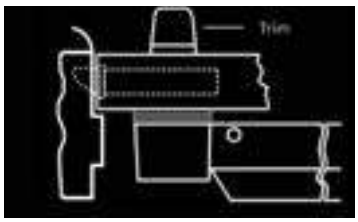
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8900 Series and Windstorm Ratings for the standard 8900 Series, see page 13

Single Door

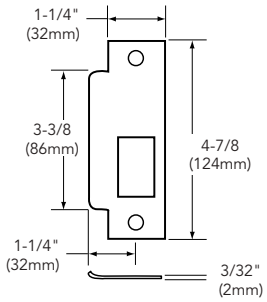
WS8900, 12-WS8900 Series Mortise Exit Device

- Requires 4 chassis shims and 4 end bracket shims included with the exit device



C908 Standard Strike

- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard



- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated

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UL Listed Hurricane-Resistant WS8900 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width
	11-63-	WS89	13	F	ETL	RHR	14	32	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

WS8900 Series: 704, 706, 710, 713, 715, 716, 740, 743, 744, 773, 774, 775 & 776

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks

Voltage must be specified for the following functions: 73, 74, 75 and 76.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	WS8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	WS8904 x ET_
06	09	Key unlocks Trim, Trim retracts Latch/ Trim relocks when key is removed #41 Cylinder Supplied	WS8906 x ET_
10	01	No outside operation (No Cylinder)	WS8910
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	WS8910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8913 x ET_
15	14	Passage Only (No cylinder)	WS8915 x ET_
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #46 & I/S #34 Cylinder Supplied	WS8916 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	WS8940 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	WS8943 x ET_
44	03	Freewheeling Trim - Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8944 x ET_
75*		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied	WS8976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
* 75 Function without cylinder is available as a 73 Function
** 76 Function without cylinder is available as a 74 Function

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish & hand



WS8900 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	WS8904 x Trim Designation
04	03	Night Latch Key Retracts Latch #41 Cylinder Supplied						
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	WS8910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	WS8928 x Trim Designation
63	05	Key Outside Unlocks/ locks Thumbpiece #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	WS8963 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #41 Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	WS8966 x Trim Designation

Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Thumbpiece Trims used with Mortise Lock Exit Devices are handed
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Options

WS8900

Mechanical Options:
12-
16-
19-
23-
31-
36-
37-
43-
54-
55-
56-
56-HK-
57-
58-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
** SG-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with the following functions: 04 x ET, 16, 44, 75 & 76
** Only available with 15, 26D and 32D finishes

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane Resistant HC4-8700 Surface Vertical Rod Device

80 Series

SARGENT
ASSA ABLOY



Features

- Meets the abuse and high wind loads required by Florida building code including HVHZ.
- Devices are ANSI/BHMA A156.3 - Grade 1

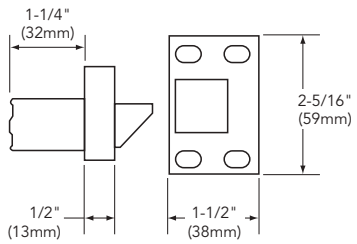
Note: For additional information on 8700 Series, see page 14

Openings	8'0" x 8'0" (2438mm x 2438mm)
Strikes	659 Top Strike in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	659 Top Strike (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

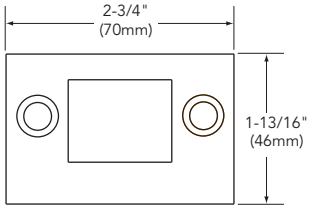
659 Top Strike

- For HC4-8700/12-HC4-8700
- Latchbolt nylon coated
- Stainless steel



655 Bottom Strike

- For HC4-8700/12-HC4-8700
- Stainless steel
- Black nylon coated



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UL Listed Hurricane Resistant HC4-8700 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	10-63-	HC4-87	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

HC4-8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 HC4-8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC4-8706 x ET_
10	01	No outside operation (No Cylinder)	HC4-8710
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	HC4-8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC4-8713 x ET_
15	14	Passage Only (No cylinder)	HC4-8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	HC4-8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC4-8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	HC4-8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	HC4-8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	HC4-8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

Options

HC4-8700

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
BC-59-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

Pull & Thumbpiece Trim Section

Trim Designations

- Use only letter designations when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

Series



HC4-8700 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						HC4-8710 x Trim Designation
			810-FLL	810-FLW	810-MAL	810-PTB	810-STS	
10	02	Pull Only (No Cylinder)						

Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Hurricane-Resistant HC8700 Surface Vertical Rod Exit Device

80 Series

SARGENT
ASSA ABLOY



Features

- Meets the abuse and high wind loads required by Florida building code including HVHZ.
- Accepted & approved with CURRIES hollow metal doors and McKINNEY hinges. Any substitution of hardware makes the Hurricane Code inapplicable.
- Devices are ANSI/BHMA A156.3 - Grade 1

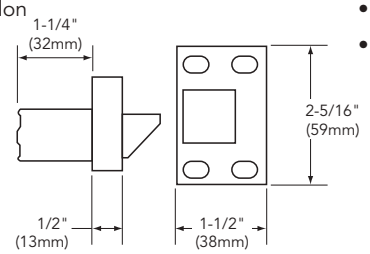
Note: For additional information on 8700 Series, see page 14

Openings	8'0" x 8'0" (2438mm x 2438mm) Curries 16 gauge 747 flush, S edge
Frames	CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame
Hinges	McKINNEY TA2714 or T2714
Hardware Configuration 1	SARGENT HC8700 or 12-HC8700 Exit Devices on both leaves
Hardware Configuration 2 Vertical Rod Exit & Mortise Lock	SARGENT 8200 Series mortise lock (active), SARGENT HC8700 or 12-HC8700 exit devices (inactive), Ives 360 surface bolts at 5 3/4" (147mm) at centerline
Strikes	654 top bolt in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	654 Top Latch (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Top & Bottom Bolt	Stainless steel
Device Centerline	41" (1041 mm) for Standard Applications 38" (965mm) for elementary schools
Door/Opening Height	**Must be specified** - 96" (2438mm) Max Door Opening
Fire Exit Hardware	See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening.

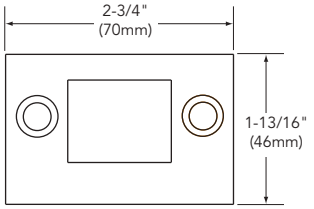
654 Top Latch

- For HC8700/12-HC8700
- Latchbolt nylon coated
- Stainless steel



655 Bottom Strike

- For HC8700/12-HC8700
- Stainless steel
- Black nylon coated



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UL Listed Hurricane-Resistant HC8700 Functions and Trims

80 Series

SARGENT ASSA ABLOY

How to order:

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
10-63-	HC87	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

HC8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 HC8700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	HC8706 x ET_
10	01	No outside operation (No Cylinder)*	HC8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	HC8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8713 x ET_
15	14	Passage Only (No cylinder)	HC8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	HC8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	HC8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	HC8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	HC8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	HC8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: 8773F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

Options

HC8700

Mechanical Options:
12-
16-
19-
31-
36-
37-
43-
53-
54-
55-
56-
56-HK-
57-
58-
59-
BC-59-
76-
85-
86-
87-
BT-
CPC-
LD-
PL-
* SG-
TB-
TL-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes

300 Series* Auxiliary Control & 862 Pull



300 Series Aux. Control



862 Pull

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	HC8700 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	HC8710 x 306
10	02	862 Pull Only (Optional Pulls: 863 & 864)	HC8710 x 862
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	HC8710 x 313

Note: When ordering HC8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: HC8710F x 306 x RHR x 32D x 42" x 90"

Pull & Thumbpiece Trim Section

Trim Designations

- Use only letter designations when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish



Series



HC8700 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	HC8710 x Trim Designation
10	02	Pull Only (No Cylinder)*						

* Cylinder Override is available with a 306 Aux Control
Note: FLW trim is not available in 32(629) or 32D(630)
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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UL Listed Tornado-Resistant FM8700 Surface Vertical Rod Exit Device

80 Series

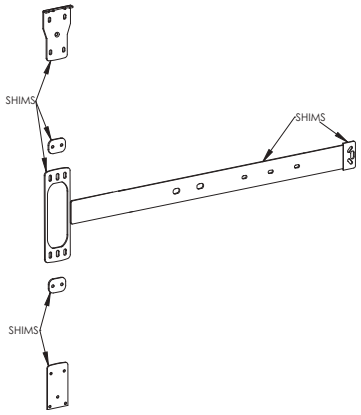
SARGENT
ASSA ABLOY



Features

- 2-point latching exit device
- UL Listed in compliance with ICC 500 (2014) and FEMA P-361 (2015)
- Specially machined rail and internal components make the FM8700 sturdier and more robust than standard products
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) Listed

569 Shim Kit

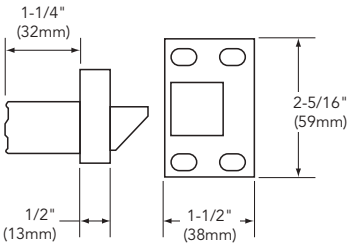


Specifications:

Doors and Frames	**CECO DOOR and CURRIES StormPro® Series Door Assemblies** - 6'0" x 6'8" to 8'-0" x 8'-0" for pairs of fire rated doors - 3'0" x 6'8" to 4'-0" x 8'-0" for single fire rated doors (Requires 4 Thermal Pins)
Hardware	SARGENT FM8700 or 12-FM8700 Exit Device on both leaves or single door applications
Hinges	McKinney SP3386/SP3786 StormPro® Tornado Resistant Butt Hinges McKinney MCK-HG305 Continuous Hinges Markar HG305 Continuous Hinges
Strikes	659 Top Strike in frame and 653 Bottom Strike furnished standard 655 Bottom Strike optional
Shim Kit	569 Shim Kit furnished standard
Rail sizes as determined by door width	Rails are available in 3 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied • F Rail for 36" door width • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Dogging Feature	Hex key dogging available on non fired rated devices only
Electric Options	54- Outside Lever Monitoring Option
Mounting Fasteners	Supplied standard with machine screws and with throughbolts for the latch cases
Top & Bottom Bolt	Stainless steel
Device Centerline from Finished Floor	41" (1041mm) for Standard Applications 38" (965mm) for elementary schools
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76mm) Pushbar Depressed – 2-1/8" (54mm)
Fire Exit Hardware	See Chart – Page 6

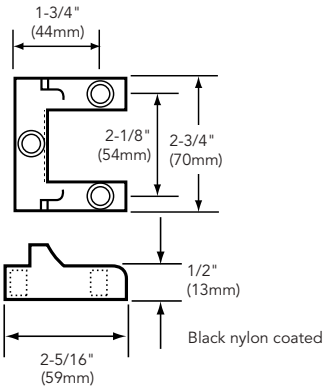
659 Top Strike

- For Panic & Fire Rated
- Latchbolt nylon coated
- Stainless steel



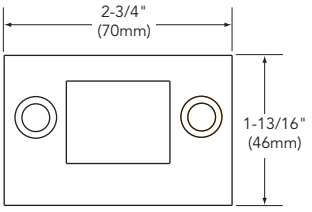
653 Bottom Strike

- Provided as standard
- Panic and Fire-Rated



655 Bottom Strike

- Stainless steel
- Black nylon coated
- UL305, UL10C and BHMA Grade 2 Certified



Note: See assembly guide card UL website for all available FEMA and ICC 500 (2014) rated options
655 Strike must be specified at time of order. Default option remains 635 strike

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UL Listed Tornado-Resistant FM8700 Functions and Trims

80 Series

SARGENT
ASSA ABLOY

How to order:	Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Door Height	AFF
	12-	FM87	13	F	ETL	RHR	15	32D	36"	84"	41"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

FM8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 2 FM8700 (Panic & Fire)
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	FM8706 x ET_
10	01	No outside operation (No Cylinder)*	FM8710
10	02	No outside operation (No Cylinder)* ET Control is used as Pull Only	FM8710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	FM8713 x ET_
15	14	Passage Only (No cylinder)	FM8715 x ET_
40	02	Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim	FM8740 x ET_
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied	FM8743 x ET_
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ relocks when key is removed #41 Cylinder Supplied	FM8746 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*	FM8773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*	FM8774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices
Note: AFF means Above Finished Floor, center line of rail Above Finished Floor
* Cylinder Override is available with a 306 Aux Control
Example Order: FM8773F 12V x ETMG x 306 x RHR x 32D x 36"w x 84"h

Options

FM8700

Mechanical Options:
12-
36-
37-
43-
54-
76-
85-
86-
87-
CPC-
LD-
PL-
* SG-
TB-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

* Only available with 15, 26D and 32D finishes



300 Series Auxiliary* Control



SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	FM8700 Panic & Fire
06	12	Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	FM8710 x 306
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	FM8710 x 313

Note: When ordering FM8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit.
Example: FM8710F x 306 x RHR x 32D x 42" x 90

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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ElectroLynx® Information and Option Compatibility Chart

80 Series

SARGENT ASSA ABLOY

ElectroLynx Connector & Color Chart

Electrifed Trim (Solenoid ET and/or 54-) requires its own QC8 Hinge

PRODUCT	8 PIN CONNECTOR							
	1- Black	2- Red	3- White	4- Green	5- Orange	6- Blue	7- Brown	8- Yellow
ELECTRIFIED EXIT TRIM	**Power**		**Lever Monitoring**					
Solenoid Functions and Lever Monitoring	solenoid ET Trim		54- Switch Option					
	NEG	POS	C	NO	NC			

Note: For more information on ElectroLynx® Retrofit Kits and harnesses, see instruction document A7738, located at the SARGENT web site

Electrified Exit Devices will require their own QC8 or QC12 Hinge as determined by specified options (see chart below)

PRODUCT	8 PIN CONNECTOR								4 PIN CONNECTOR				FLYING LEADS		
	1- Black	2- Red	3- White	4- Green	5- Orange	6- Blue	7- Brown	8- Yellow	9- Violet	10- Gray	11- Pink	12- Tan	13-Red/ Green	14-Red/ Yellow	14-Red/ Black

EXIT DEVICES	Power		Latch Monitoring			Rail Monitoring			SARGuide Power		56-				
80 Series Exits	56- & 58-		53- Switch Option			55- Switch Option			TL- SARGuide		56- TIMER CIRCUIT				
	NEG	POS	C	53-NO 56-EG	53-NC 53-56-NO	C	NO	NC	NEG	POS	A	B			
DELAYED EGRESS EXIT DEVICES															
57-80 Series Exits	Power		Fire Alarm	Earth Ground	External Inhibit	Door Status	EXTERNAL MAGNET								
	NEG	POS					NEG	POS							
59-80 Series Electroguard	Power		Fire Alarm	Earth Ground	External Inhibit	Door Status	Remote Alarm Relay			LBM - OPTION			VOICE/GANG		
	NEG	POS					C	NO	NC	C	NO	NC	C	NO	NC

All electrical options are supplied with ElectroLynx® connectors and require McKINNEY QC Hinges and cables to complete the system

Electrical Option Availability Chart

Primary Options	Compatible Options										
12- Fire Rated	AL-	BT-			53-	55-	56-	57-	58-	59-	TL-
*AL- Alarmed Exit			12-		53-				58-		TL-
TL- SARGuide®	AL-	BT-	12-	16-‡	53-	55-	56-	57-	58-		
16- Cylinder Dogging					53-	55-	56-		58-		TL-
53- Latch Monitoring	AL-		12-	16-‡-		55-	56-		58-		TL-
55- Rail Monitoring			12-	16-‡-	53-		56-		58-		TL-
56- Electric Latch Retraction			12-	16-‡-	53-	55-					TL-
57- Delayed Egress			12-			55-					TL-
58- Electric Dogging	AL-		12-	16-‡-	53-	55-					TL-
**59- Electroguard®			12-								

How to use this chart: Select appropriate option in the left column, under "Primary Option", then follow the row to find compatible options.

Note: Underlined compatible options affect minimum door width. Consult factory

*** The AL- design includes monitored push rail**

**** The 59- design includes monitored push rail and latch**

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Security Shim Kit

80 Series

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Exit Device Security Shim Kit

The SARGENT 541 Exit Device Security Shim Kit fills the gap between the exit device and the glass creating a flush surface. This kit can be easily trimmed and installed to accommodate most door styles without removing the SARGENT push rail exit device.

This not only responds to the ever increasing need for improved building security, but also maintains the facility's aesthetic design.





Features & Benefits:

- Nylon and brushed aluminum construction can be easily cut and trimmed for custom fit
- Fits all doors up to 48" wide and stiles ranging from 4-1/2" to 6"
- Adjustment shims accommodate gaps from 3/8" to 3/4"
- 6 Lobe tamper proof security screws are included
- A T10 Torx driver required for assembly
- Fasteners are countersunk for flush finish
- 541 Kit contains a 48" shim, ready to be sized

How to order:

- 541 Kit

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SARGuide™ Options (PL- and TL-) and Latch Bolt Monitoring Option (53-)

80 Series

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ASSA ABLOY

PL- Photoluminescent Option (non-electrified)

SARGuide® PL Exit Device – with photoluminescent coating – is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed
- Available for all door widths
- Order as a PL- option

(e.g., PL-8713F x ETMA x 32D x 36" x 84")



LiteGuide™

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide™ system, a luminescent egress marking system. LiteGuide™ installation is facilitated by ASSA ABLOY's ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide™ is a trademark of ASSA ABLOY Inc.

TL- SARGuide® Electroluminescent Option

The SARGuide® illuminated exit device increases visibility of exit locations in dark or smoke filled passages, supplementing existing codes for egress lighting. SARGuide® utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.

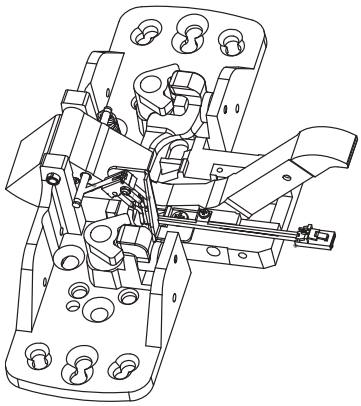
- UL Listed for use on panic (UL 305) and fire-rated (UL 10C) exit devices
- Available with all 80 Series Devices, except FM8700 Devices
- Provided with ElectroLynx® 4 Pin Connector
- Requires 24VDC Power Supply
- Patent pending and/or patent www.assaabloydss.com/patents
- Minimum Door Widths:
  - Wide Stile Door 26"
  - Narrow Stile Door 26"
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a TL- option (e.g., TL-8813 x ETL x 32D x 36" Door)



53- Latch Bolt Monitoring Option

The latch monitor provides tamper resistant latch monitoring, not just rail movement sensing. The monitor switch is activated when the rail is depressed or where there is movement of the latch.

- Switch type SPDT form "C" contacts
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Field installation kits are not available
- Available for all door widths
- Adjustable switch bracket to fine tune sensitivity: set screw pivot bracket allows precise adjustment for more accurate notification of latchbolt movement (8500 and 8800 Series only).
- Available with all 80 Series Devices, except LP, LR, LS, PP-, PR- & SP8600, FM8700
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 53- option (e.g., 53-8813F x ETJ x 32D x 36" Door)



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Alarm Option (AL-)
Request-to-Exit Option (55-)
80 Series

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AL- Alarm Option

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.



Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option-3267 Power Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door : E-n/a; F-36" only; J-42"-39"; G-48"-43"
  - Narrow Stile Door: E-32" only; f-36"-34"; J-42"-37"; G-48"-43"
- See page 75 for compatible options
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option (e.g., AL-8916F x ETJ x 32D x 36" Door)

545 Alarm Retrofit Kits

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

Kit #	Device Style	Pivot to Pivot	Rail Size
545-1	Wide	11-1/4"	F
545-2	Narrow	11-1/4"	F
		8-1/2"	E
545-3	Wide	20-1/2"	G
545-4	Narrow	20-1/2"	G
545-6	Narrow	14"	J
545-7	Wide	14"	J

546 Wiring Harness

Harness allows for remote control of the alarmed exit device

- Remote Alarm Reset–reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC power supply (3267)
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

55- Request-to-Exit Option

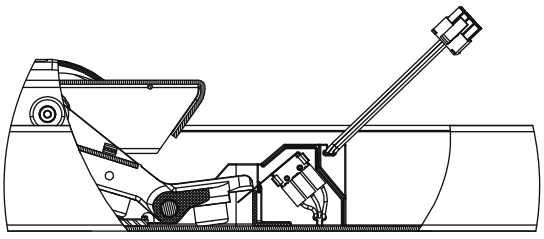
SARGENT Request-to-Exit Signal Switch option for exit devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.

Switch type SPDT form "C" contacts

- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 Series devices, except for FM8700
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 24"
  - Narrow Stile Door 24"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 55- option (e.g., 55-8913F x ETMA x 32D x 36")

Universal 855 Retrofit Kit

- Retrofits existing 80 Series device installations with Request-to-Exit Signal Switch option
- Available for wide and narrow stile devices and 8895 Active Dummy Rail
- Compatible with all rail sizes (E, F, J, G)
- Can not be used with 56- rails
- To order separately, order as 855



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Electric Latch Retraction Option (56-)

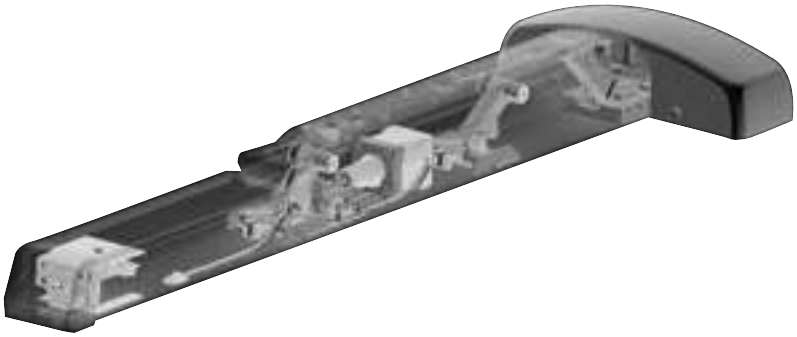
80 Series

SARGENT

ASSA ABLOY

SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



56- Electric Latch Retraction Features

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Retrofit kits available - see next page
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .6A during retraction and .25A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Available for all 80 Series exit devices (except FM8700)
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 28"
  - Narrow Stile Door 28"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-HK-8913F x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 881 Monitor Strike
- 4341 Push Button Switch (momentary)
- Norton Automatic Door Operator
- Norton ADA Push Switch or Wave to Open Switch



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Electric Latch Retraction Motor Kits and Push Rail Kits

80 Series

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M56- Motor Retrofit Kits

The 56- Motor Retrofit Kits can only be added to 80 Series Exit Devices* manufactured after 2006 & P Series Exit Device

Upgradeable Design



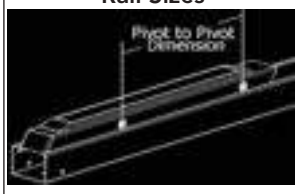
Exit Devices that are upgradable have straight push rail nose & tail; manufactured starting in 2007

Upgrade using R56 Kits only



Exit Devices with a stepped Nose & Tail, produced prior to 2007, require the R56 Kits; the Push must be replaced

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kits Description: 56- Motor Kits	
M56A x Rail Size--	80 Series & P Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail**
M56B x Rail Size	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail**
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except Exit Devices with a stepped Nose & Tail, produced prior to 2007 and all FM8700 Series Exit Devices
** Motor Retrofit Kits are identical for E and F size Rail Assemblies

- 55-M56 Kit: Request to Exit Signal Switch is integrated into the connecting arm within the rail
- 56- Motor Retrofit Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics
- Rail size is needed when ordering to supply the correct length wires

Option Available: 55- Non-Contact Request to Exit switch
How to Order: M56A (Kit #) x F (Rail Size)
Kit includes: Motor Bracket Assy, Motor Controller & Fasteners

R56- Retrofit Kits with Push Rail

The 56- Push Retrofit Kits can only be added to 80 Series* Exit Device manufactured after 1995

Upgradeable Design



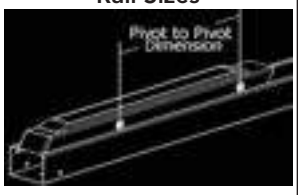
Upgradable Exit Devices do not have Pivots in the Mtg Rails; manufactured starting in 1995

Mounting Rail Pivots



Devices with Mounting Rail Pivot Pins can Not be upgraded

Rail Sizes



Rail Size is determined by the Pivot to Pivot Dimensions

56- Push Retrofit Kit Number	Type of Device to be Upgraded	Kit Descriptions: 56- Push Retrofit Kits	
R56A x Rail Size & Finish	80 Series Exit Device*	Retrofits standard mechanical rail. Contains ribbon wiring.	8-1/2" = "E" Rail
R56B x Rail Size & Finish	53-80 Series Exit Devices*	Retrofits 53- Exit Devices. Does not include 53- Signal Switch. Contains wiring to reconnect to the pre-existing 53- Chassis Signal Switch.	11-1/4" = "F" Rail
			14" = "J" Rail
			20-1/2" = "G" Rail

* Except 80 Series Exit Devices produced prior to 1995 and all FM8700 Series Exit Devices

- Adding a R56 Kit to a 55- Rail, the 55- Switch will be eliminated.
- For 55-56- Rail Assemblies, use either a 55-R56 Kit or a R56 Kit with a 855 Kit
- R56A & R56B Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

Options:
19- Push Rail less the Black Lexan Touch Pad
55- Non-Contact Request to Exit switch
HK- Hex Key Dogging to allow for manual dogging of the device
SG- MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
How to Order: R56A (Kit #) x F (Rail Size) x 32D (Finish);
Kit includes: Motor Bracket & Push Rail Assy, Motor Controller & Fasteners

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Delayed Egress Option (57-) and Electro-Magnets

80 Series

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Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 57-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure, via electromagnetic lock, for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 57- option has a new design. The updated 57- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting.



Features

Compliance

- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation

- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds external electromagnetic lock releases. 30 second delay available with written permission of Authority having Jurisdiction
- Field adjustable nuisance delay (0 or 1 second)
- Device requires electromagnet (ordered separately)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

Specifications

- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/ filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features (.275 amp maximum electromagnetic load)
- Minimum Door Widths:
  - Wide Stile Door 36"
  - Narrow Stile Door 32"
- Shipped with decal "Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS8600 & FM8700 Devices
- Order as a 57- option (e.g., 57-8813F x ETJ x 32D x 36" Door)
- See page 75 for compatible options

Installation & Maintenance

- Diagnostic LEDs on PC board for easy troubleshooting

Accessories for System Design

- 54-700 ET Control
- 881 Monitor Strike
- 1584 Electromagnet
- 3287 Door Status Switch
- 4371 LT Keyswitch
- 4291 or 4292 Keypad
- 3520, 3540, 3550, or 3570 Power Supply

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Delayed Egress Option (57-) and Electro-Magnets

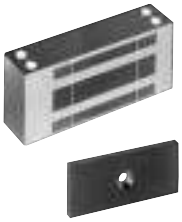
80 Series

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1580 Series Electromagnetic Locks: For 57- Exit Devices and Other Applications

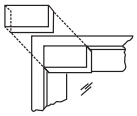
- Hold door closed with 1200 lbs. of direct holding force
- Used for push or pull applications
- Stainless steel case
- Self aligning armature
- Hardened machine screws for mounting
- 10' integral cable for easy wiring
- Internal electronics
- .250 amp @ 12VDC, .125 amp @ 24VDC
- For use on exterior and interior openings
- Single and double door applications
- Accessories available for various frame conditions
- UL Listed, Auxiliary Lock and Releasing Device
- UL Recognized for Special Locking Arrangements
- Accepted for City of New York, Department of Buildings
- Temperature range: -40°F to +140°F (-40°C to +60°C)
- Fail safe operation
- Finishes: 28, 32D, EB, ED

1584 - Push Application - Single Door



- Electromagnet for Push Side Applications on single doors
- 1584 – Standard Finish 32D
- Specify: H Suffix is for Metal Cover
  Specify Finish: 28, EB or ED

Order as: 1584 or 1584H x Finish



1585 - Push Application - Double Door



- Two electromagnetic locks with sensor
- 1585 – Standard Finish 32D
- Specify: J Suffix is for Dress Cover
  Specify Finish: 28, EB or ED

Order as: 1585 or 1585J x Finish

1586 - Pull Application - Single Door



- Electromagnetic lock mounted on inswinging side of the door to protect it from physical assault
- Supplied "Z" bracket & cover
- Specify Finish: 28, 32D, EB and ED
  1586 - Electromagnetic for Pull Application on Single Door
  1587 - Electromagnetic for Pull Application on Double Door includes sensor

Order as: 1586 x Finish or 1587 x Finish

Accessories for 1580 Series Electromagnets

Header Extension Bracket for 1508 Series Electromagnets



- Dimensions: 3" x 3" x 8"
- Used to extend a narrow header
- Finishes Available: 28 or ED
  Order as: 15-2107 x Finish

Concrete/Wood Frame Bracket for 1580 Series Electromagnets



- Thickness: 1/2"
- Allows mounting on concrete filled or wood door frames
- Includes Fasteners
- Available in 28 or ED finishes

Order as: 15-2113 x Finish

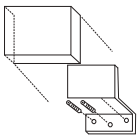
Stop Filler Plates for 1508 Series Electromagnets



- Dimensions: 8" x 1-1/4"
- Extends the stop when only part of the magnet body is on the stop
- Standard Finish: 28 finishes
- Various thicknesses available

Order as:
15-2109 for 1/4" thickness
15-2110 for 3/8" thickness
15-2111 for 1/2" thickness
15-2112 for 5/8" thickness

"Z" Bracket for 1580 Series Electromagnet 15-2114



- Allows mounting of electromagnetic lock on inswinging doors
- "Z" Bracket includes cover & fasteners
- Finishes Available ED, 28 & 32D

Order as: 15-2114 x Finish

Full Length Housing for 1580 Series Electromagnets

- Available for double & single doors without vertical rod exit devices or mullion
- Standard Finish: 32D
- Specify door opening width
- 15-2116 - Housing Double Horizontal (96" Std)
- 15-2117 - Housing Double Vertical (96" Std)
- 15-2118 - Housing Single Horizontal LHR (48" Std)
- 15-2119 - Housing Single Horizontal RHR (48" Std)



Dress Covers

- Provides finished look to electromagnetic locks
- Available in EN, EB, and 28 finishes

Order as:
- 15-0078 for single electromagnetic lock
- 15-0079 for double electromagnetic lock

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Electric Dogging Option (58-)

80 Series

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58- Electric Dogging

Libraries, auditoriums, theaters, courtrooms, churches and schools benefit from the convenience of electric dogging (unlocking). When the 58-80 Series exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted.
When the device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas that require the silent operation of exit device hardware.

58- Features

- Provides quiet ingress and egress when dogged
- Standard electric hinge - no special power transfer required
- Manual hex key dogging provided on non-fire rated devices
- UL Listed for Panic and Fire (12-)
- Holding force 70 lbs. min.
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .2 amp
- Available for all 80 Series Devices, except FM8700 Devices
- See page 75 for compatible options
- Available for all door widths
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 58- option (e.g., 58-8813F x ETJ x 32D x 36" Door)

Optional Accessories

- 4370 Key Switch
- 881 Monitor Strike
- 3287 Door Status Switch
- 3520, 3540, 3550, or 3570 Power Supply

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ElectroGuard Delayed Egress Option (59-)

80 Series

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59- Self Contained Delayed Egress Device

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 59-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 59- option has a new design. The updated 59- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting

59- Features

Compliance

- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation

- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds lock releases. 30 second delay available with written permission of Authority having Jurisdict
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel



Specifications

- Rod guards must be used on surface vertical rod devices. Consult factory for more information
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features
- Minimum Door Widths:
  - Wide Stile Door 32"
  - Narrow Stile Door 32"
- Ability to gang up to 12 doors
- Shipped with decal "Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS, SP8600, FM, ND8700, MS, and HC8800 Devices
- Order as a 59- option (e.g., 59-8813F x ETJ x 32D x 36" Door)
- See page 75 for compatible options

Installation & Maintenance

- Diagnostic LEDs on PC board for easy troubleshooting

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Electrified and Monitored (54-) ET Trims and Power Supplies

80 Series

SARGENT
ASSA ABLOY

Electro-Mechanical ET Lever Handle Controls

EcoFlex ET trim provides remote means of locking and unlocking of the lever. This trim operates from 12-24 VDC. Rim and Mortise Exit Devices are available with cylinder override. Cylinder override can be added to the other series with the use of a 100 or 300 series Auxiliary Control, except NB8700 devices.

73 & 74 Function ET Trim



- Available for all 80 Series Exit Devices
- Requires a McKINNEY QC8 Hinge for EcoFlex ET Trims and/or 54- option
- Features EcoFlex™ technology
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- Field reversible
- EcoFlex™ Trim is specified by the product function
- 73 Function - Fail Safe - Lever is unlocked when power is off - no cylinder override
- 74 Function - Fail Secure - Lever is locked when power is off - no cylinder override
- Cylinder override available with the use of 100 or 300 Series Auxiliary Control, except NB8700 devices

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

75 & 76 Function ET Trim



- Available for all 80 Series Exit Devices
- Requires a McKINNEY QC8 Hinge for Ecoflex ET Trims and/or 54- option
- Features EcoFlex™ technology
- Voltage: Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Operating Temp.: Max. 151°F (66°C) Min -31°F (-35°C).
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- Field reversible
- EcoFlex Trim is specified by the product function
- 75 Function - Fail Safe - Lever is unlocked when power is off with cylinder override
- 76 Function - Fail Secure - Lever is locked when power is off with cylinder override
- Key retracts latch mechanically

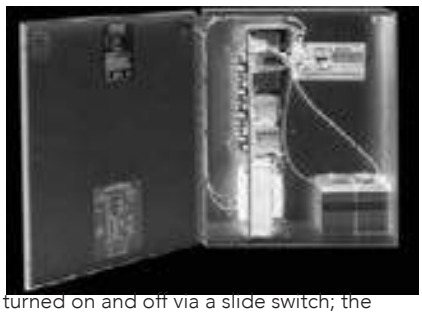
Note: Repeated operation at voltage exceeding +/- 10% is not recommended

54- Option- Lever Monitoring



- Available with all 80 Series exit devices x ET trim with these functions 06, 13, 15, 16, 73, 74, 75 & 76
- Requires a McKINNEY QC8 Hinge for 54- and/or EcoFlex ET Trims
- Switch type SPDT form "C" contacts
- 30VDC @ 2 Amp. maximum rating
- Monitors lever rotation, can be incorporated into alarm systems or in conjunction with an electromagnet
- Must specify hand, non-reversible
- Not available with Freewheeling Trim

12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

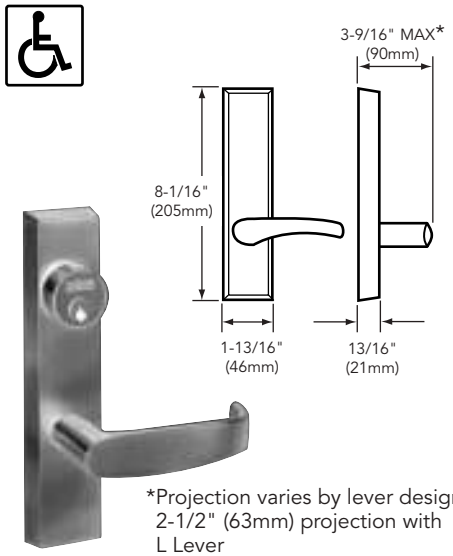
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ET Trim, Levers and Pulls

80 Series

SARGENT
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ET Lever Controls

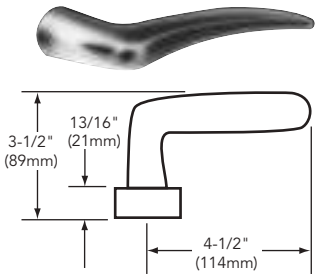


*Projection varies by lever design. 2-1/2" (63mm) projection with L Lever

Note: ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details

A Lever

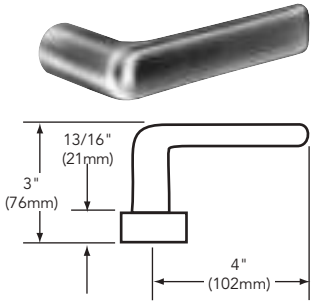
- Handed



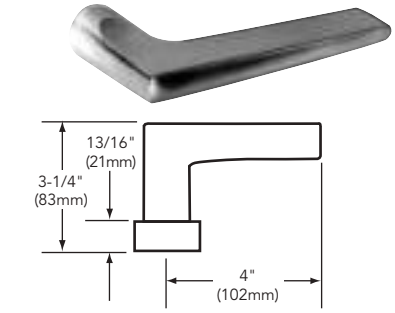
B Lever



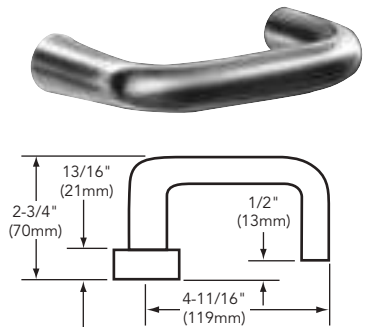
E Lever



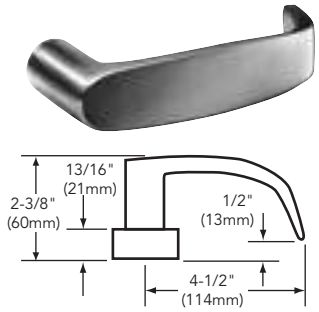
F Lever



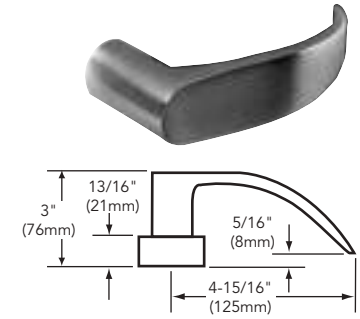
J Lever*



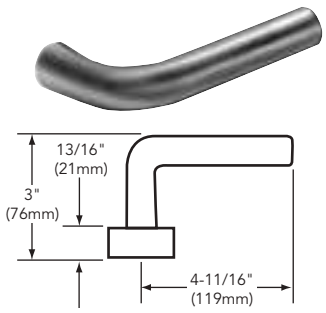
L Lever*



P Lever*

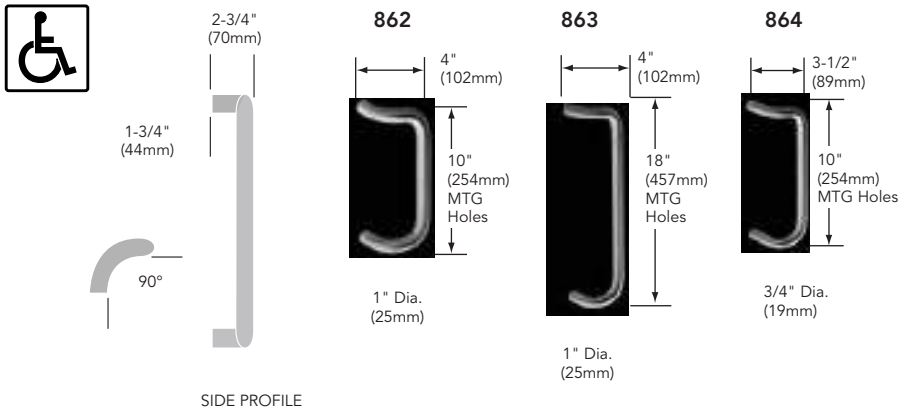


W Lever



* Lever returns within 1/2" (13mm) of door face

Pulls



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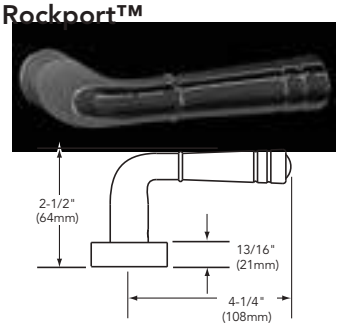
Coastal Series Levers and Thumbpiece Pulls

80 Series

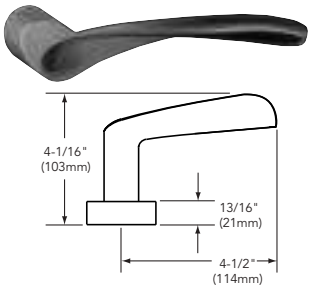
SARGENT
ASSA ABLOY

- Coastal Series™ levers can be used with all SARGENT 80 Series exit devices with ET trim
- All levers – solid cast brass
- All standard functions available
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP

R - Rockport™



S - Sanibel™



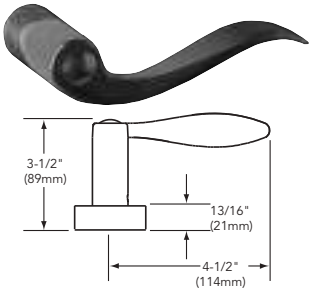
- Specify hand when ordering

Y - Yarmouth™



- Specify hand when ordering

G - Gulfport™

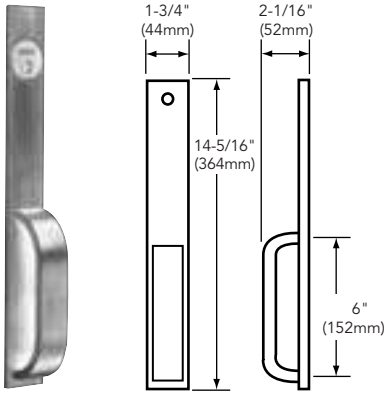


- Specify hand when ordering

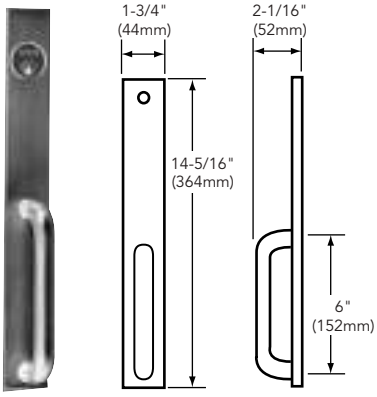
Pulls and Thumbpieces Trims

These trims are through-bolted, creating perfect alignment of center case, thumbpiece and cylinder, as required. Through-bolts pass through the chassis of the devices and are bolted directly to the trim. FSL, FSW, MSL and PSB pulls are used with 12- 8804 and 8804 only, they are identical to FLL, FLW, MAL and PTB pulls except the cylinder hole is located 3/8" (9mm) lower. The 802-PTB plate is a flat plate which can be used to cover existing door preps and is as ANSI/BHMA function 01.

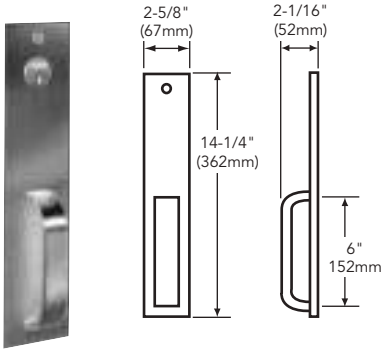
FLL/FSL



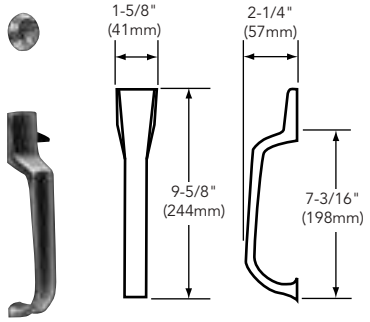
FLW/FSW



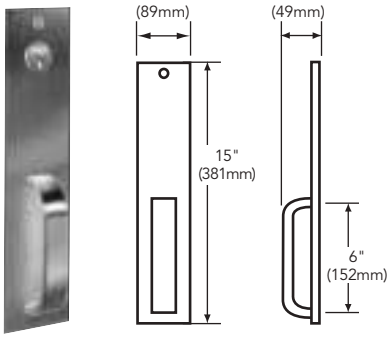
MAL/MSL



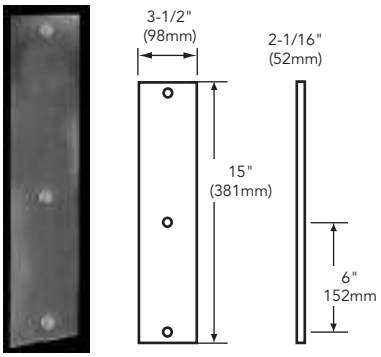
STS



PTB/PSB



802-PTB



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Studio Collection Levers

80 Series

SARGENT
ASSA ABLOY

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

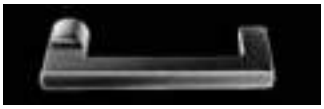
All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series


MD


MJ


MP[2]


ND[1]


NJ[1]

Notting Hill Series

(MA & MO are Non-Handed Levers)


MA[2]


MQ[2]


MT[2]


MY[1,2]


MO[2]


MZ[1,2]

Aventura Series


MB


ME


MF


NF[1]


MG


MI


MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Not available in 32D or 32 finish

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Studio Collection Levers

80 Series

SARGENT
ASSA ABLOY

Odéon Series

(Handed Levers)


MN[4]


MH[4]


MS[4]


MU[4]


MV[4]


MX[1,4]


NS[1,4]


NU[1,4]

Gramercy Series[2]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin Series


H015


H016[1]


H017


H018

Wooster Square[3]


H001


H002


H003[3]


H004[3]


H005[1,3]


H006[1,3]

Grant Park[2]

(H008 is handed)


H007


H008


H009


H010


H011

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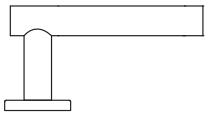
[1] Lever returns within 1/2" (13mm) of door face
[2] Gramercy levers are customized. See page 67 for ordering information
[3] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
4 Not available in 32 or 32D finish

How to Order Gramercy Series Levers

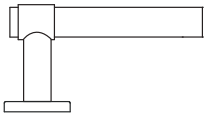
80 Series

SARGENT
ASSA ABLOY

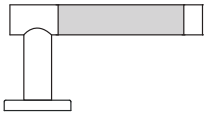
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM**, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930** only (SEE NOTATION)
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Notes for two-tone finishes:
- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629

Sample order on how to specify an Exit Device with Gramercy levers

						Gramercy Lever information								
Options	Series	Function	Rail Size	Voltage	Trim	Lever	Finish			Hand	Inside Finish	Door Width	Opening Height	AFF
Select from 80 Series catalog				Specified for electrical functions	Select from 80 Series catalog	Leather insert	Bright stainless steel with brown leather			RHR RH, LHR, or LH	Select from 80 Series catalog		For vertical rod devices	Above Finished Floor
10-	87	73	F	12VDC	F	RAL	29	BN	29	RH	32D	36"	84"	41"

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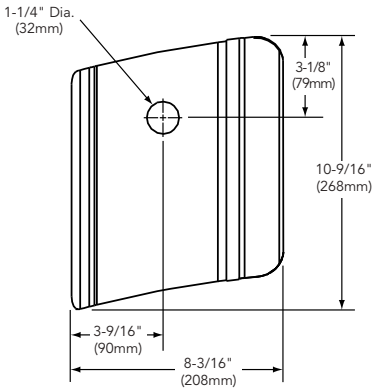
Anti-Vandal Trim, 988 Surface Bolt, ET Plates and Dummy Rails

80 Series

SARGENT
ASSA ABLOY

Anti-Vandal Trim





Designed for exterior doors that require extra security or resistance to vandalism, anti-vandal trim (AVT) plates have an extended lip on the active side of the door to provide extra protection for the latchbolt. A matte plastic coated grip provides a comfortable pull over wide temperature ranges. Fully through-bolted with no exposed exterior fasteners for a cleaner look and increased security.

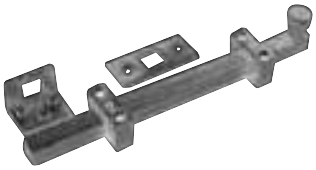
Features

- Heavy duty 12 gauge stainless steel in 32D finish
- Through-bolted for added strength
- Handed – Specify RHR or LHR
- ADA Compliant
- #34 Rim Cylinder supplied for 8804
- #41 Mortise Cylinder supplied for 8904
- Night Latch and Dummy Functions available
- Available for MD & WD8610, 8710, 8804, 8810, 8904 & 8910 Devices
- Options not available with AV trim: 1-, 31, 49, 50, 68, 69, 76, 77, 85, 86, 87, DX & SG
- Without protective lip for inactive door
- AVT Retrofit Kit works easily with existing product with minor prep modification
- Order by part number (826, 824, 821 or 827) as determined by product & function below

Part Number	Description	Application
826	Cylinder, but No Protective Lip	8804 Mfg after 02-2001
824	Protective Lip & Cylinder	8904; also 8804 Mfg before 02-2001
821	No Protective Lip & No Cylinder	MD & WD8610, 8710 and 8810
827	Protective Lip & No Cylinder	8910

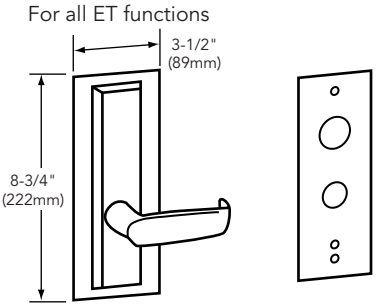
821 for use on all inactive leafs

988 Surface Bolt Kit



- Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors)
- Tested to Dade County protocols
- Listed to UL 10C for use on fire rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use
  - Full 3/4" (19mm) square, 12" (305mm) bolt with 1-1/4" (32mm) throw
  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Order as a: 988 Surface Bolt

ET Cover Plate



This plate is designed to be mounted behind the ET control to cover a stock hollow metal cutout

- Order as a: 68-0657 x finish

809 Touchpad Kit

- Lexan touchpad replacement kit for all 80 Series push rails
- Direct replacement – uses existing mounting holes
- Order as a: 809 Touch Pad

8893 Dummy Rail



A decorative push bar for vestibule door applications where continuity of design is desired, but no exit device is required. Outside dummy trim available on order.

- Order as a: 8893 x finish; Specify door width and door stile width when ordering.

8895 Active Dummy Rail



Push rail operates on this rail to simulate active doors. Can be used with dummy trim.

- Order as a: 8885 x Finish; specify door width and door stile width when ordering.
- Available with Request-to-Exit (REX) signaling switch; specify 55-8895 x Finish

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Cylinder Information

80 Series

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Cylinder Information for Exit Devices

Cylinder Chart: Exit Device Series x Function		ET Trim (700 Series Auxiliary Control)		PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW	
	Door Thickness	**1-3/4"** (44mm)	**2-1/4"** (57mm)	**1-3/4"** (44mm)	**2-1/4"** (57mm)
Narrow Stile Mortise Exit Device	8304	46	48	41	43
	8313/8343	41	41	Not Available	
	8344	46	48	Not Available	
	8363	Not Available		41	43
	8375/8376	46	48	Not Available	
Narrow Stile CVR Exit Device	All 8400	41	41	Not Available	
Narrow Stile Rim Exit	8504	34	34	Not Available	
	8513/8543	41	41	Not Available	
Concealed Vertical Rod Exit Devices	All LP/LR/LS8600	41	Not Available		
	All SP/PP/PR8600	41	Not Available		
	All AD, MD & WD8600	41	41	Not Available	
Surface Vertical Rod Exit Devices	8706/8713/8743/8746	41	41	Not Available	
	8762/8763	Not Available		34	34
	All SP/PP/PR8700	41	N/A	Not Available	
Rim Exit Devices	8804	34	34	34	34
	8806/8813/8843/8846	41	41	Not Available	
	8816	34/*44	34/*44	Not Available	
	8844	34	34	Not Available	
	8863	Not Available		34	34
	8866	Not Available		34/*44	34/*44
	8875/8876/8877	34	34	Not Available	
Mortise Lock Exit Devices	8904	46	48	41	43
	8913/8943	41	41	Not Available	
	8916	*34/46	*34/48	Not Available	
	8944	46	48	Not Available	
	8963	Not Available		41	43
	8966	Not Available		*41/34	*43/34
	8975/8976	46	48	Not Available	

* Inside Cylinders
Chart shows cylinder type and size for conventional SARGENT cylinders.
Note: Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46
Note: The 8888's Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)
Note: 41 Cylinder is 1-1/8" in length; For each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"
Note: SARGENT supplies standard blocking rings. Specify if using competitor cylinders

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Mullions: Aluminum, Steel and Electrified

80 Series

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Aluminum Mullions

Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B
Stk Size	96"	96"	96"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*

Electrified

EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
96"
120"
No
#46 Only
Rectangular 2" x 3"
For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

***Note:** Cylinder Kits must be ordered separately

Steel Mullions

Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"	96"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2' x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	For 12-8800 - Channel Iron & Malleable iron top & bottom retainers.	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors ver 8'0" to 10'0" for use with 2-8800 Rim Exits includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	- Top Retainer Pack: 98-2593 - Bottom Retainer Pack: 98-2594 - Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 ottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

***Note:** Cylinder Kits must be ordered separately

Note for HC980/12-HC980 Mullions:

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions Part numbers for each model are listed in the price book

HCL980 Mullion Information

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim exit devices

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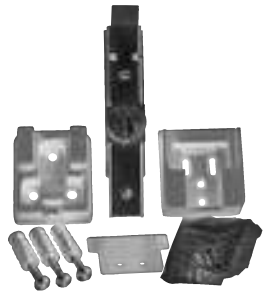
Mullion Accessories and Stabilizers

80 Series

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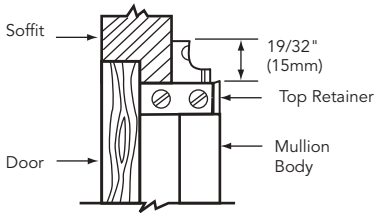
Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion



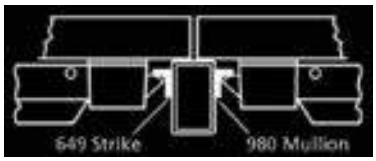
507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
- Order as a: 507 for 980 mullion or 507A for 980A mullion



980S Mullion Application

- All steel mullions are 2" x 3"

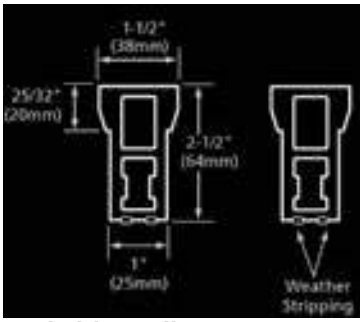


651 Mullion Stabilizer Kit

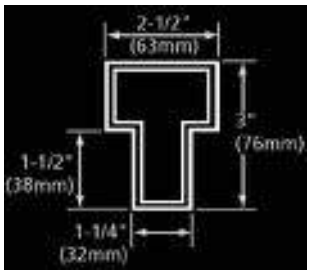


- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

650A Mullion



980 Mullion & L980 Lockable Mullion

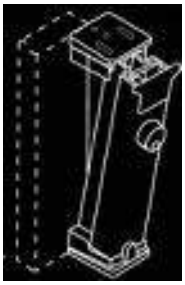


980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar
- Available in 26D & 10B finish

Lockable Mullion



Lockable Mullion Cylinder Kit Options*

L980, L980A, L980S & HC-L980 mullions are available with these options: 10, 10-21-,

10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-,

11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-,

63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-,

81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-.

EL980 mullion is available with these options:

10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-,

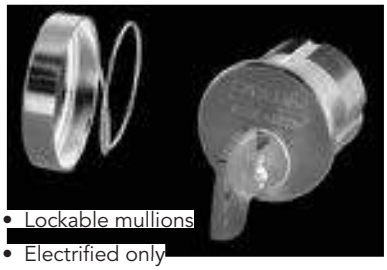
11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-,

22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-,

73-7P-, 81-, 82- & F1-82-.

*Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.

980C2 Cylinder Mullion Kit



- Lockable mullions
- Electrified only
- Includes cylinder and collar
- Available in 26D finish only

Mullion Weights & Packaging

Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea

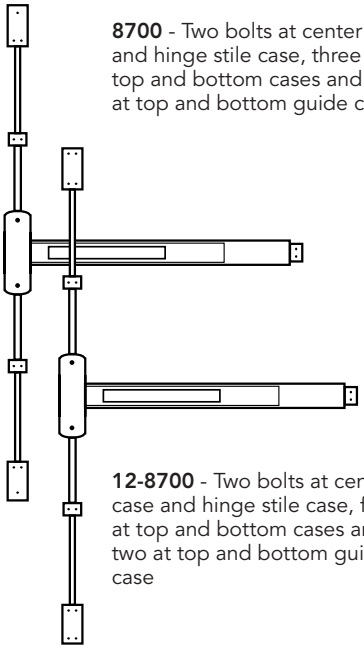
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Through-bolt Kits, Rod Extensions and Shim Kits

80 Series

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Through-bolt (TB) Applications



8700 - Two bolts at center case and hinge stile case, three at top and bottom cases and two at top and bottom guide cases

12-8700 - Two bolts at center case and hinge stile case, four at top and bottom cases and two at top and bottom guide case

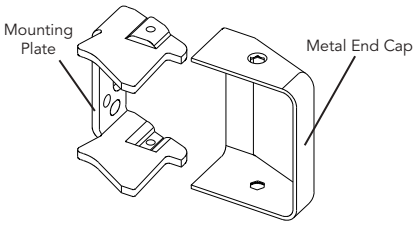
Through-bolts		Qty	Part #
8700	Rail & Chassis	4	68-2279
8700	Cases & Guides	10	68-2282
12-8700	Complete	16	68-2288
8800	Rail & Chassis	4	68-2279

To order through-bolts with device:

Example: 8804 FLL x TB

Note: Attaching Screws – All series are furnished standard with wood screws for wood and Kalamein doors and machine screws for metal doors. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering

565 Metal End Cap Kit

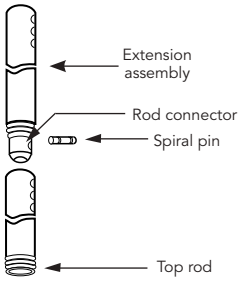


End cap with hardware finish includes mounting plate with wood and machine screws

Order as a 565 Kit x Finish

Rod Extension Kits

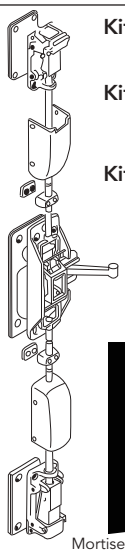
- For surface mounted top rod extensions
- 570 Kit is for a Rod Connector & spiral pin
- 571 Kits includes top rod extension & 570 kit for device mfg prior to November 2002



- Specify Kits and finish:
- 571-6 for 6" Rod Extension
- 571-12 for 12" Rod Extension
- 571-18 for 18" Rod Extension
- 687 Kits include Rod Extension for devices mfg after November 2002
- Specify Kits and finish:
- 687-6 for 6" Rod Extension
- 687-12 for 12" Rod Extension

Note: For extensions over 12" full rod lengths are available, see Rod Replacement Kits Below

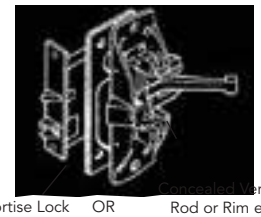
Glass Bead Shim Kits



Kit 587 Two 1/8" thick shims for 8700 exit device

Kit 537 Two 1/8" thick shims for 12-8700 Exit Device

Kit 589 Two 1/8" shims for concealed vertical rod, rim and mortise lock exit devices



Mortise Lock exit device OR Concealed Vertical Rod or Rim exit device

Note:

- Lift slide length must be increased for 8600 and 12-8600
- Lift lever length must be increased for 8900 and 12-8900
- Shim thickness must not exceed 1/4" (6mm) on 8900 and 12-8900
- Spindles and through-bolt lengths must be increased on 8700, 12-8700, 8800, 12-8800 exits
- Kits are available in EB, ED, and EN

Rod & Bolt Replacement Kits

Product	Top Rod & Bolt Kit *	Bottom Rod & Bolt Kit **
8700	N/A	N/A
MD & AD8600	MD691T	691B
WD8600	WD691T	691B
WD8600 x Aux	WDA691T	691B
MD & AD8400	MD691T	691B
PP/PR/SP8600	692P	N/A
LP/LR/LS8600	692L	N/A

* Door Height & Rail Location Required
** Rail Location Required

Rod Replacement Kits

Product	Top Rod Kit ++	Bottom Rod Kit +++
All 8700+	670T	670B
MD & AD8600	MD660T	660B
WD8600	WD660T	660B
WD8600 x Aux	WDA660T	660B
MD & AD8400	MD660T	660B
PP/PR/SP8600	661P	N/A
LP/LR/LS8600	661L	N/A

\+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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Door Coordinators, End Caps and Cylinder Dogging Kits

80 Series

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Cylinder Dogging 16- Option



A 41 mortise cylinder (included), located in the rail insert, locks the rail in retracted position. Available for all 80 Series devices except Fire Rated, FM8700 & some electrical options.

Order as a 16- option with the device

Example: 16-8813F x ETJ x 03 Finish
Also available as a 816 Kit
Specify Kit based on Rail size

Example:
816-1 x finish for "F" wide
816-2 x finish for "E" & "F" narrow
816-3 x finish for "G" wide
816-4 x finish for "G" narrow
816-5 x finish for "E" wide
816-6 x finish for "J" narrow
816-7 x finish for "J" wide
816-8 x finish for "E" narrow

Cylinder included

Note: Cylinder dogging requires a 27" minimum door width

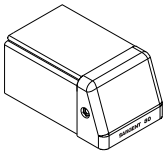
Cylinder Nut Wrench

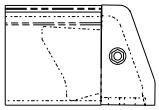


This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

665 Flush End Cap Kit and 553 Shim Kit





- 665 Kit is Flush End Cap for 80 Series exit device
- 665 Kit available for retrofit/replacement
- To order specify 665 Kit x Finish or with the Device as a 43- option
- 553 Kit is an 1/8" Shim for Flush End Caps
- 553 Shim Kit is only available in ED, EN & EB*
- To order specify 553 Kit x Finish

* **Note: EB** (BHMA 690) Powder coated to match 10B
EN (BHMA 689) Powder coated to match 26D

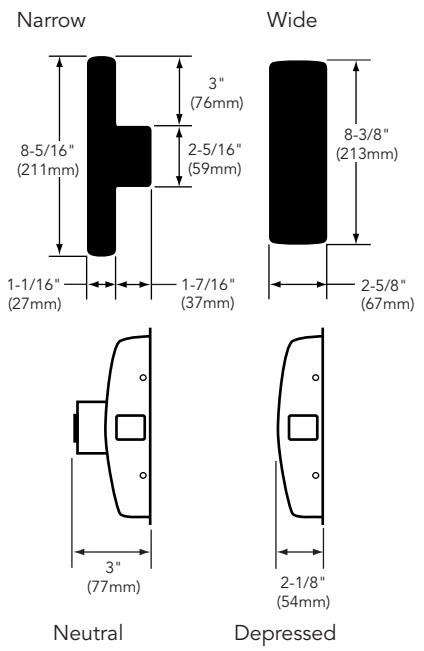
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Rail Sizes and How to Order ET Trim

80 Series

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Cover Dimensions and Touchbar Projections



Rail Sizes

SARGENT offers four sizes of rails to accommodate 32", 36", 42" and 48" doors. These rails can be cut for smaller doors as specified in the chart below.

SARGENT will cut all rails to size if door width is specified when the hardware is ordered.

Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43" to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

LP, LR & LS8600 Rail Sizes

L Rail	36" (91cm)	No cutting required
M Rail	42" to 44" (107cm to 112cm)	No cutting required
N Rail	46" to 48" (117cm to 122cm)	No cutting required

How to specify and order ET Trim without an Exit Device
Example for 775-8 ETL 26D RHR 12VDC

7	75	-8	ETL	26D	RHR	12VDC
7 for 700 Series Auxiliary Control	2 digit function number	Suffix - Determined by Exit Device (See Chart)	ET followed by Lever Design Pages 63-66	Finish Page 84	Hand Page 79	Voltage for ET Trims Page 62

Notes:

- LFIC (Removable) and SFIC (70-) option cylinders require 97-0351 cylinder rings for 700 Series ET Controls and 94-0153 rings for 100 & 300 Series Aux controls.
- When ordering 775 or 776 trim, specify either a rim cylinder or mortise cylinder.

No Suffix	-8 Suffix
Square Spindle or No Spindle for inactive functions	Cross Type Spindle
for all 8900, 8300, 8700 with bottom rod and 8800, 8500, NB8700, PP, PR & SP8700 devices with these functions: 04, 10, 16, 40 & 44	for 8800, 8500, NB8700, PP, PR & SP8700 devices, except with these functions: 04, 10, 16, 40 & 44

-4 Suffix	-6 Suffix
Offset Mtg Tabs Top & Bottom	Offset Mtg Tab Top Only
for all AD & MD8400 and AD, WD & MD 8600 devices	for all PP, PR, SP, LP, LR & LS 8600 devices

730 Spindle Retrofit Kits are used to replace existing spindles for 06, 13, 15, 16, 73, 74, 75 & 76 function ET Trims

- Kits include Spindle, Retainer Plates, Mounting. Screws & Return Springs

730-1	700 Series Spindle 1-3/4" Door
730-2	700 Series Spindle 2" Door
730-3	700 Series Spindle 2-1/4" Door
730-4	700-4 Series Spindle 1-3/4" Door
730-5	700-4 Series Spindle 2" Door
730-6	700-4 Series Spindle 2-1/4" Door
730-7	700-8 Series Spindle 1-3/4" Door
730-8	700-8 Series Spindle 2" Door
730-9	700-8 Series Spindle 2-1/4" Door

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Mechanical Options and Descriptions

80 Series

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Mechanical Options:

Categories	How to Specify	Detailed Description
Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
SVR Bolt	**14-**	Sliding bolt bottom case for 8700
Cylinder Dogging	**16-**	Cylinder lockdown with # 41 Cylinder & # 97 Ring (not available with 12-, 57, 59- or AL- Option)
	LD-	Less dogging for non fire rated devices
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (not available TL-)
8900/8300 Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) Not available for HC8700, FM8700, PP, PR & SP8700, PP, PR & SP8600, LP, LR & LP8700 Extended lip strike supplied for 8300 & 8900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	**43-**	Flush End Cap (Not available with LP, LR & LS Devices)
Indicator	**49-**	Indicator (Available on 8816 and 8866 functions only)
Electrical Options	**53-**	Latchbolt monitoring switch (not available with 49-, 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	54-	Monitors ET Lever movement with Internal micro switch in ET Control
	55-	Request to Exit - Signal Switch in Rail (not available with 59- & FM8700)
	56-	Remote Latch Retraction (not available 57-, 58-, 59-, AL-, BT- or FM8700 Option)
	56-HK-	Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)
	57-	Delayed Egress (Electromagnetic Lock required & purchased separately) (not available 16-, 53-, 56-, 56-HK, 58-, 59-, AL, Bc-59 - or BT, GL, TL Prefixes) (NB, 54- are available on request)
	58-	Electric Rail Dogging (Not available 56- & 59-)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	AL-	Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- , HC4 & WS-) (minimum Dr width 36")
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
	TL-	SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- & PL-)
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL- & TL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (not available with PL- & TL-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Top Rod Only	**NB-**	Less Bottom Rod & Bolt (for SVR & CVR Devices)
Guarded Latch	**GL-**	Guarded Latch for Rim Exit Devices (not available 53-, 59-, AL-, HC- & WS-)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 & TL-)
Through Bolts	**TB-**	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices
Rail Force	**5CH-**	5lb. Pressure Release (8800, 8500, 8600 & 8400 devices only) Not available with 14-, 49-, 58-, 59-, BC-59, TI- Consult Factory: 23-, 31-, 36-, 37-, 43-, 54-, 55-, 56-HK, AL-, 76-, 87-, CPC-, SG-, NB-, GL-, TB

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Cylinder Options and Descriptions

80 Series

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Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65	Degree Level 3 Unassembled/Uncombined Core
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC	10-63-	SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)
XC- Key System	11-	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)
XC- Small Format Interchangeable Core	11-70-7P-	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	60-	Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)
Small Format Interchangeable Core	70-	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	SF-	L Lever to accept Schlage® large format interchangable core (supplied less core, tailpiece included)

Note: For V-10 Cylinders and information, contact ASSA

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How to Order

80 Series

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How to Order Exit Devices

Example Order:

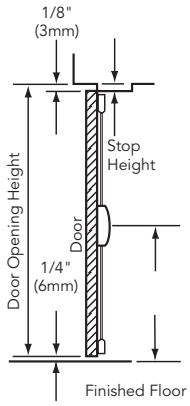
12-	89	75	F	ETMR	12VDC	RHR	26D	32D	36"	84"	41"
Options	**Device Type**	**Function**	**Rail Size**	**Trim**	**Voltage**	**Hand**	**Outside Finish**	**Inside Finish**	**Door Width**	**Opening Height**	**AFF**
Available Options Listing Pgs 73-74	89 - Mortise	04 - Night Latch	E 24"-32"	For ET trim specify ET followed by Lever design, See pages 62-64	12VDC	RHR	Available Finishes page 76	Inside Finish Available Finishes page 76	If door width is supplied rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail Above Finish Floor 41" Standard
	WS89 - Mortise	06 - Night latch	F 33"-36"		24V0DC	LHR					
	88 - Rim	10 - Dummy	J 37"-42"		Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76						
	HC88 - Rim	13 - Classroom	G 43"-48"								
	WS88 - Rim	15 - Passage	Rail Sizes Listed Below are for LP, LR & LS Devices Only								
	87 - SVR	16 - Entrance		For Thumbpiece Trims and Pulls specify Trim Designation as specified by Device Type							
	NB87 - SVR	28 - TP Passage									
	HC87 - SVR	40 - FW Dummy									
	FM87 - SVR	43 - FW Classroom	L 36" Door								
	MD86 - CVR	44 - FW Night Latch	M 42"-44"								
	AD86 - CVR	46 - FW Night Latch	N 46"-48"								
	WD86 - CVR	62 - TP Night Latch									
	85 - Rim Narrow	63 - TP Classroom									
	MD84 - CVR Narrow	66 - TP Entrance									
	AD84 - CVR Narrow	73 - Solenoid Fail Safe									
	83 - Mortise Narrow	74 - Solenoid Fail Secure									
	PP87 - CTL SVR	75 - Solenoid Fail Safe w/Cyl									
	PR87 - CTL SVR	76 - Solenoid Fail Secure w/Cyl									
	SP87 - CTL SVR										
	PP86 - CTL CVR										
	PR86 - CTL CVR										
	SP86 - CTL CVR										
	LP86 - CTL CVR										
	LR86 - CTL CVR										
	LS86 - CTL CVR										

Legend

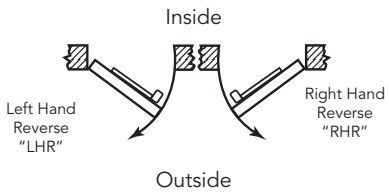
AD - Aluminum Door
AFF - Above Finish Floor
CTL - Center & Top Latching Exit
CVR - Concealed Vertical Rod
ET - SARGENT External Lever Trim
FM - FEMA
FW - Freewheeling Trim
HC - Hurricane Code
MD - Metal Door
NB - No Bottom Rod
SVR - Surface Vertical Rod
TP - Thumbpiece Trim
WD - Wood Door
WS - Windstorm

Mounting Heights

- 41" (1041mm) from finished floor for standard application
- 38" (965mm) from finished floor for elementary schools and to meet local accessibility standards when a 100 or 300 Series Auxiliary Control is used (38" AFF must be specified)



Hand



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Finishes and Finish Care

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Finish

SARGENT#	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
BSP	—	Black Suede Powder Coat		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL	613L	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
14*	618*	Polished nickel, clear coated		
15*	619*	Satin nickel, clear coated		
20D	624	Statuary dark bronze, clear coated		
26*	625*	Polished chrome		
26D*	626*	Satin chrome		
32*	629*	Polished stainless steel		
32D*	630*	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: FLW & FSW are NOT available in 32 or 32D

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW & FSW which are available in 14 and 15.

To avoid discoloration and pitting:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

To maintain the finish:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

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Architectural Specifications

80 Series

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2.01 EXIT DEVICES

A. Exit devices shall be 80 Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.
C. Exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Exit devices for fire labeled doors shall be UL listed as "Fire Exit Hardware".
D. Exit Devices shall be certified to meet the requirements of ANSI/BHMA A156.41, Door Hardware Single Motion To Egress.
E. Provide standard hex key dogging on non fire-rated exit devices, with cylinder dogging (i.e., SARGENT 16- option) as an option.
F. Exit devices shall comply with UL 10C positive pressure requirements.
G. Construction:
   1. Chassis shall be of heavy duty cast design with one piece drawn nonferrous removable covers matching the material of the push and mounting rails.
   2. Stamped steel chassis are not acceptable.
   3. Mounting rails shall be formed from a solid single piece of stainless steel, brass or bronze no less than 0.072 inches thick.
   4. Push rails shall be constructed of 0.062 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
   5. Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user.
   6. Metal end caps shall be formed from the same base metal as the push and mounting rails.
H. Exit devices shall have a maximum of 3 inches projection from the face of the door in the non-dogged position. When in the dogged position, the device shall have no more than a 2-1/8 inch projection from the door face.
I. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.
J. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.
K. Trim shall be through-bolted.
L. Devices shall be available with matching trim for both wide and narrow stile doors, including electrified functions when required.
M. Exit device operating lever trim shall withstand 1000 inch pounds of torque without allowing access.
N. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.
O. Provide electrified exit devices with ElectroLynx® standardized plug connectors to accommodate up to twelve wires.
P. Plug connectors shall plug directly into ElectroLynx® through-door wiring harnesses for connection to electric transfer hinge and power supplies.
Q. Provide sufficient number of concealed wires to accommodate electric function of specified hardware.
R. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90641 07/21

Product Catalog

SARGENT
ASSA ABLOY

90 Series
Exit Device



Experience a safer
and more open world

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion® Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

EcoFlex™ Technology



- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

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Features, Applications and UL Fire Door Ratings

90 Series Exit Devices

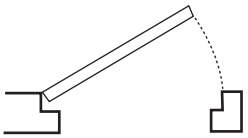
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Features

- Full line of exit devices offering a selection of both wide and narrow stile exit devices, including concealed and surface vertical rods, rim and mortise
- Maximum 4-1/2" (114mm) projection, minimum 2-3/4" (70mm) dogged
- All SARGENT exit devices can be masterkeyed or grand masterkeyed with any other SARGENT product
- All crossbar assemblies are brass, bronze, stainless steel, or steel (see specific device)
- Stainless steel springs throughout
- Trim is through-bolted
- UL Listed
- UL Listed to Canadian safety standards
- All fire exit hardware for hollow metal door applications listed up to 3 hours (A label) (Double doors require astragal)
- All fire exit hardware for wood door applications listed up to 1-1/2 hour (B label) except where noted

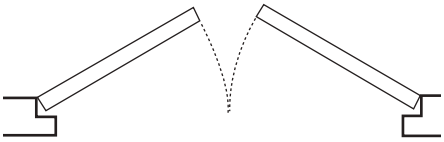
Applications

Single Door



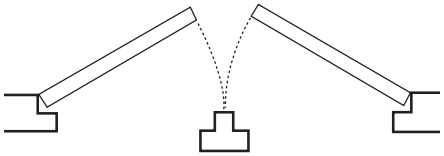
Rim Type 9800
Surface application.

Pairs of Doors without Mullion



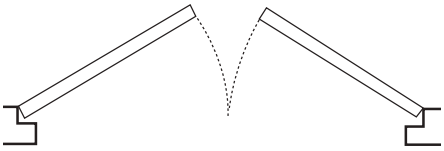
Surface Vertical Rod Type 9700 or Concealed Vertical Rod Type 9400 - 2 Each
2 point locking both doors. Each door active.
Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 9800 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Vertical Rod Type 9700 - 1 Each
Rim Type 9800 - 1 Each
Both devices are surface applied.
A coordinator is recommended.

● = Available				UL Fire Door Rating				
Application	Type Of Device	Series Device	Maximum Door Opening	(A) 3 Hour	(B) 1-1/2 Hour	(C) 3/4 Hour	(D) 1-1/2 Hour	(E) 3/4 Hour
Single Doors	Mortise	12-9900	4'0" X 10'0" (1219 X 3048)	●	●	●	●	●
	Rim	12-9800 **	4'0" X 8'0" (1219 X 2438)	●	●	●	●	●
	Concealed	12-9400	4'0" x 7'2" (1219 X 2184)	●	●	●	●	●
Pair of Doors Swinging in the same direction	Mortise and Surface Vertical Rod	12-9900 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	Two Rim With Mullion (12-980 available)	12-9800 X 12-9800	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Surface Vertical Rod No astragal No coordinator	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)		●	●	●	●
	Two Concealed Vertical Rod No overlapping astragal	12-9400 X 12-9400	8'0"x 7'2" (2438 X 2184)		●	●	●	●
Double Egress Pair of Doors Swinging in opposite directions	*Two Surface Vertical Rod	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Concealed Vertical Rod	12-9400	8'0" x 7'2" (2438 X 2184)	●	●	●	●	●

* Limited for Fire Doors listed by UL for this use. NFPA requires an astragal on 3 hour applications
** 75 and 76 functions are not available with 12- fire rated 9800 devices
Vertical rod applications will not work with astragal

Note: Please contact door manufacturer for specifications regarding fire door construction

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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9800 Series Rim Exit Device

90 Series Exit Devices



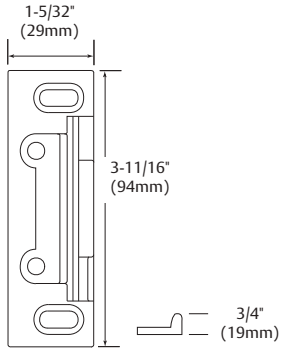
9800 Rim Exit Device

The 9800 Series exit devices are ordered with trim and shipped complete with the strike, screw packs and cylinder as required in one carton. The cross bars are cut to the correct length, based on door width.

Specifications

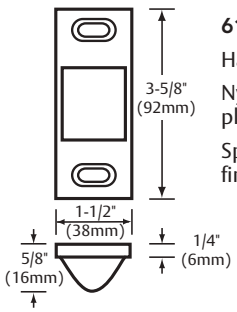
For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Reversible
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	649 standard strike for panic and fire
Fire Exit Hardware	See chart page 3
Certification/Compliance ANSI	ANSI/BHMA156.3 - 2014 Grade 1

649 Strike

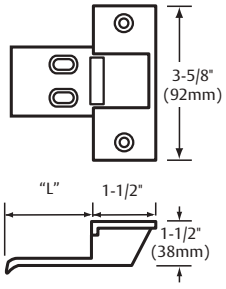


- For 9800 and 12-9800
- Supplied standard
- Surface applied
- Black nylon coated

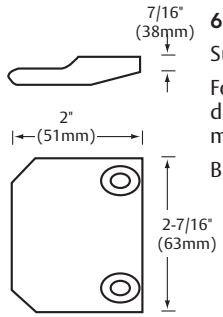
Alternate Strikes for Rim Devices 9800



613
Half mortised
Nylon coating on face plate only
Specify hardware finish



642
Full mortised
Dimension "L" equals door thickness plus 1/2"
Nylon coating on lip only
Specify hardware finish



644
Surface applied
For use on pairs of doors without mullion
Black nylon coated

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9800 Functions and Trims

90 Series Exit Devices

How to order:	Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width
	10-SG-	98	13	ETL	RHR	26D	32D	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 9800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	9804 x ET_
10	01	No outside Operation (No Cylinder)	9810
10	02	No outside Operation (No Cylinder) ET Control is used as Pull Only	9810 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9813 x ET_
15	14	Passage Only (No cylinder)	9815 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)	9873 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)	9874 x ET_
75++		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied NOT available with 12-9800 devices	9875 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied NOT available with 12-9800 devices	9876 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Options

9800

Mechanical Options:
12-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
*** SG-
TB-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

*** Only available with 15, 26D, and 32D finishes

Pull & Thumb Piece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the exit device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish

Series



9800
Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							9800 Panic & Fire
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	862 Pull	9804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	9810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	9828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Trim #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	9863 x Trim Designation

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

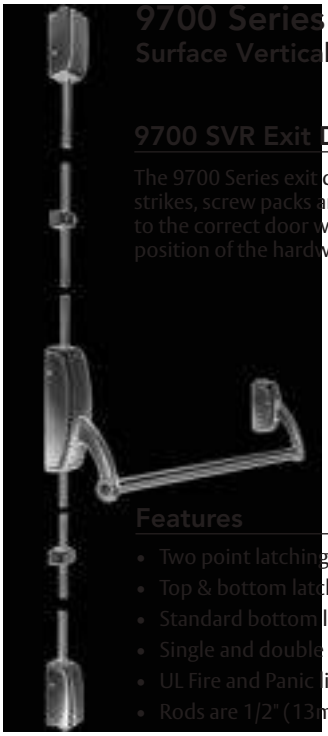
SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	628
32D	630
BSP	—
WSP	

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9700 Series Surface Vertical Rod Exit Device

90 Series Exit Devices

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9700 Series
Surface Vertical Rod Exit Device

9700 SVR Exit Device

The 9700 Series exit devices are ordered with trim and shipped complete with the strikes, screw packs and cylinder as required in one carton. The cross bars are cut to the correct door width and vertical rods are made to order, based on mounting position of the hardware and opening height.

Features

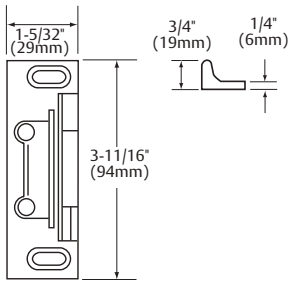
- Two point latching (top and bottom of the door)
- Top & bottom latchbolt projection adjustable through center case
- Standard bottom latch compatible with latchtrack thresholds (by others)
- Single and double door applications
- UL Fire and Panic listed
- Rods are 1/2" (13mm) brass, bronze or stainless steel

Specifications for 9700 Series Exit

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 3" (76mm) minimum stile. Maximum door height 96"
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Non Handed
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strikes	646 top strike for panic & fire and 624 bottom strike for panic & 655 bottom strike for fire
Rod	1/2" brass, bronze or stainless steel
Fire Exit Hardware	See chart page 3
Opening Height	84" (2134mm) Standard
Certification/Compliance ANSI	ANSI/BHMA156.3 - 2014 Grade 1

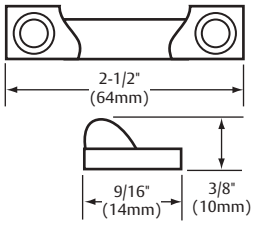
646 Top Strike

- Standard Top Strike for both Panic & Fire (12-) Hardware
- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike



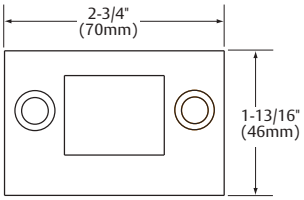
624 Bottom Strike

- Standard for 9700
- Applied to surface of floor or to a flat threshold
- Black nylon coated



655 Bottom Strike

- Standard bottom strike for 12-9700 and 14-9700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike



Inside Lever Assembly for 300 Series Aux Control



Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls

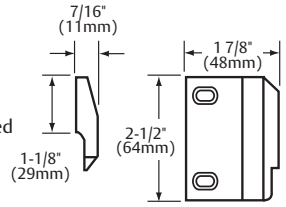
Part # 97-2378

648 & 653 Strikes (Alternate Strikes for 9700 SVR Devices)

648 Strike

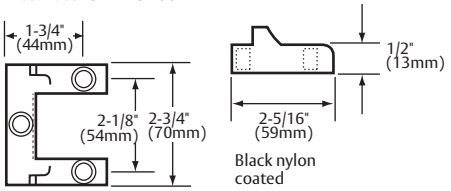
For doors having transom panel applications

Black nylon coated



653 Strike

Alternate for 12-9700



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9700 Functions and Trims

90 Series Exit Devices

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How to order:	Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width	Door Height	AFF
	11-	97	13	ETL	RHR	15	32D	36"	84"	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73 & 74 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 2 9700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	9706 x ET_
10	01	No outside Operation (No Cylinder)**	9710
10	02	No outside Operation (No Cylinder)** ET Control is used as Pull Only	9710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9713 x ET_
15	14	Passage Only (No cylinder)	9715 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	9773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	9774 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

** Cylinder Override is available with a 306 Aux Control

Example Order: 9773F 12V x ETMG x 306 x RHR x 32D 36"w x 84"H

Options

9700

Mechanical Options:
12-
14-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
*** SG-
TB-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
SC-
SE-

*** Only available with 15, 26D, and 32D finishes

300 Series++ Auxiliary Control



300 Series Auxiliary Control

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	9700 Panic & Fire
06	12	Key unlocks Turn; Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	9710 x 306
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	9710 x 313

Note: When ordering 9700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: 9710F x 306 x RHR x 32D x 42" x 90"

++ Note: Exit Devices must be mounted 38" AFF when used with a 300 Series Auxiliary Controls to meet ICC/ANSI A117.1-2003 Accessible & Usable Buildings and Facilities Code

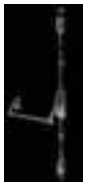
Pull & Thumb Piece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the exit device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish



Series



9700 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						9700 Panic & Fire
10	02	Pull Only (No Cylinder)***	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9728 x Trim Designation
63	05	Key Outside Unlocks/ locks Trim #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9763 x Trim Designation

*** Cylinder Override is available with a 306 Aux Control

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	

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9900 Series Mortise Lock Exit Device

90 Series Exit Devices



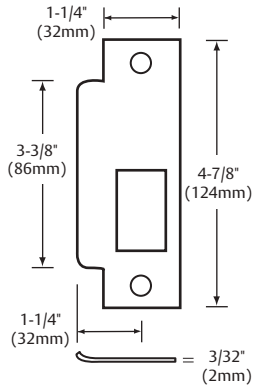
9900 Mortise Lock Exit Device

The 9900 Series exit devices are ordered with trim and shipped complete with the strike, screw packs and cylinder as required in one carton. The cross bars are cut to the correct length, based on door width.

Specifications

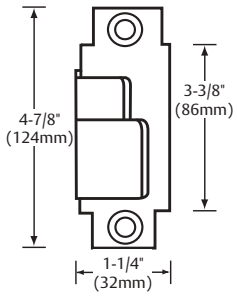
For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. Other door thickness, consult factory. 4-1/2" (114mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Handed, please specify hand when ordering
Mortise Lock	900 Series Mortise Lock, non-reversible
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	C908 standard for panic and fire rated
Fire Exit Hardware	See chart page 3
Certification/Compliance ANSI	ANSI/BHMA156.3 - 2014 Grade 1

C908 Strike



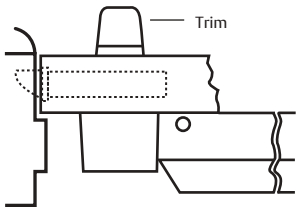
- Curved lip ANSI A115.1
- Handed. 1-1/4" lip standard
- Longer, lips in increments of 1/4" through 2-7/8" available
- Black nylon coated

815 Open Back Strike

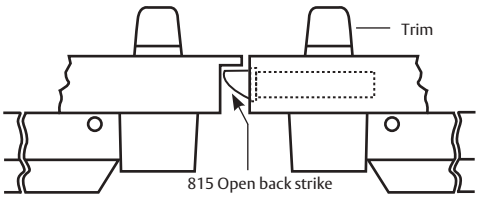


- ANSI A115.14 Open Back
- Beveled 1/8" in 2"
- Specify hand of active door
- "B" label
- Required for pairs of doors with 9700 and 9900 on pair
- Black nylon coated

Single Door



Pair of Doors



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9900 Functions and Trims

90 Series Exit Devices

SARGENT® ASSA ABLOY

How to order:

Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width
10-SG-	99	13	ETL	RHR	26	32	36"

700 Series ET Trim



Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	9904 x ET_
10	01	No outside Operation (No Cylinder)	9910
10	02	No outside Operation (No Cylinder) ET Control is used as Pull Only	9910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9913 x ET_
15	14	Passage Only (No cylinder)	9915 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	9773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	9774 x ET_
75++		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #46 Cylinder Supplied	9975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #46 Cylinder Supplied	9976 x ET_

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

++ 75 Function without cylinder is available as a 73 Function

** 76 Function without cylinder is available as a 74 Function

Options

9900

Mechanical Options:
12-
23-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
*** SG-
TB-

Cylinder Options:
10-
10-21-
10-63-
11-
11-21-
11-60-
11-63-
11-64-
11-70-7P-
11-72-7P-
11-73-7P-
11-65-73-7P-
21-
22-
51-
52-
60-
63-
64-
70-
72-
73-
65-73-
65-73-7P-
73-7P-
81-
82-
F1-82-
83-
F1-83-
84-
BR-
LC-
*SC-
*SE-

* Options are not available with the following functions: 04 x ET, 75 & 76
*** Only available with 15, 26D, and 32D finishes

Pull & Thumb Piece Trim Section

Trim Designations

- Use three letter designations (Ex "PTB") when ordering the exit device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an exit device, always specify finish & hand

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						Series  9900 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	9904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9928 x Trim Designation
63	05	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9963 x Trim Designation

Note: Thumb piece trims used with mortise lock exit devices are handed
Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10BE	613
10BL	613E
14	614
15	618
20D	619
26	624
26D	625
32	626
32D	629
BSP	630
WSP	—

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9400 Series Narrow Stile Concealed Vertical Rod Exit Device

90 Series Exit Devices

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How to order:	Options	Series	Function	Hand	Finish	Door Width	Door Height	AFF
	12-	94	04	RHR	32D	36"	84"	36"



9400 CVR Exit Device

The 9400 Series Exit Device is available with two functions:

9404 - Night latch

9410 - No outside operation (no cylinder)

Specifications

For Doors	Metal doors with 1-3/4" (44.5mm) thickness only. Requires proper reinforcements
Mounting	Supplied standard with machine screws.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	13/16" x 1-3/8" oval seamless tubing; standard length for doors up to 36"; crossbar available for doors 36-1/2" to 48"
Hand	Field Reversible. Order as RHRB or LHRB
Dogging	Standard Allen key dogging Less dogging available, special order (Not available on fire rated devices)
Strikes	94-2390 top strike pack; 94-2391 bottom strike pack
Rod	3/8" solid steel (top); 1/2" steel tubing Rods for doors 8'6" standard Rods for doors 8'6" to 10'8" optional
Trim	Night Latch Cylinder Retainer with 04 function; 862, 863, 864 pulls available separately
Opening Height	8'6" standard to 10'8" optional
Stile Width	2-1/8" minimum with 1/2" stop, single door; 1-3/4", pair of doors
Projection	4-7/8"; 3-1/8" depressed
Backset	1-3/8" on single door with 3/8" stop; 1" on pair of doors without mullion
Cylinder	41 Mortise cylinder Supplied with 9404 / 12-9404 only; Cylinder kit includes: Cylinder, Night Latch Cylinder Retainer, and mounting screws
Warranty	1 Year Limited
Certifications / Compliance ANSI	ANSI/BHMA 156.3 Grade 2; A117.1 Accessibility Code
Fire Exit Hardware	See chart on page 3

Options

9400

Mechanical Options:
12-
85-

Cylinder Options:
10-
11-
11-21-
82-
F1-82-
BR-
SC-
SE-

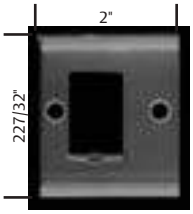
9400 Night Latch Cylinder Retainer

- Key retracts latch
- Standard with 9404 & 12-9404
- Supplied with a # 41 Cylinder



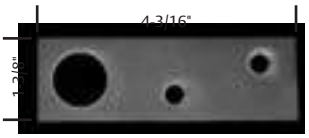
94-2390 Top Strike

- Standard Top Strike for 9400



94-2391 Bottom Strike

- Standard Bottom Strike for 9400
- Strike to be flush with finish floor



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9898 Reversible Rim Exit and Trim for the 9898 Rim Exit Device

90 Series Exit Devices

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The 9898 Multi-fuction Rim Exit Device is the perfect stocking device.

- 4 functions determined by trim specified
- Device & trim sold separately; easy to mix and match
- 5 available trim designs
- Trim is non-handed
- Device is field reversible

How to Order: 9898 x Finish x Door Width

Note: If door width information is not supplied, SARGENT will supply a cross bar for a 44" door width

- Cross bars can easily be cut to length in the field

Available options for 9898 exit devices are 42-, ***SG-& CPC

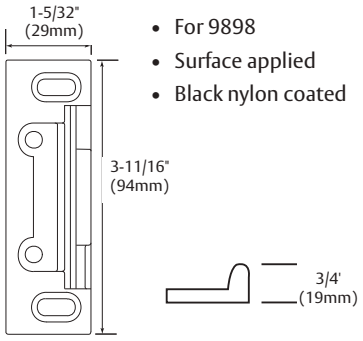
Available options for 9898 trim are 10-, 11-, 11-60-, 11-63-, 11-64-, 21-, 22-, 60-, 63-, 64-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, BR-, CPC- and ***SG-

*** Only available with 15, 26D, and 32D finishes

Specifications

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Non-handed
Dogging	Standard Allen key dogging (Not available on fire rated devices)
Strike	649 Strike
Fire Exit Hardware	Not available

649 Strike



- For 9898
- Surface applied
- Black nylon coated

Available Trim Designs & Functions to be used with any 9898 Device

- All trims are non-handed for 9898 devices
- Determine available Trim Designs & Functions with chart below
- How to Order Trim: Specify "Product Designation" from the chart below and finish required

Product Designation



Functions	ANSI	Descriptions	814-FLL x Finish	814-FLW x Finish	814-MAL x Finish	814-PTB x Finish	814-STS x Finish
04	03	Key Retracts Latch #34 Cylinder Required & Supplied					
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL x Finish	810-FLW x Finish	810-MAL x Finish	810-PTB x Finish	810-STS x Finish
10	01	No O/S Operation or Cylinder (Exit Only)	N/A	N/A	N/A	802-PTB x Finish	N/A
28	15	Passage Only (No cylinder)	828-FLL x Finish	828-FLW x Finish	828-MAL x Finish	828-PTB x Finish	828-STS x Finish
63	05	Key Outside Unlocks/ locks Thumb Piece # 34 Cylinder Required & Supplied	866-FLL x Finish	866-FLW x Finish	866-MAL x Finish	866-PTB x Finish	866-STS x Finish

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

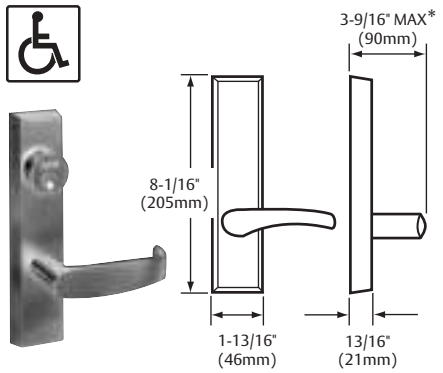
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ET Trim, Levers and Pulls

90 Series Exit Devices

ET Lever Controls



*Projection varies by lever design.
2-1/2" (63mm) projection with L Lever

ET lever trim can be used with most 90 Series exit devices. Easy operating lever handle allows convenient one hand operation. ET Escutcheons are forged or cast brass and the levers are brass or bronze. Stainless steel is available.

ET Designations

(Used to order ET trim without device)

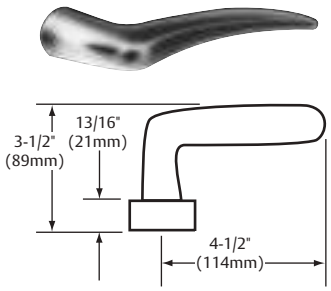
Specify: 704 x ET, 706 x ET, 710 x ET, 713 x ET, 715 x ET, 773 x ET, 774 x ET, 775 x ET & 776 x ET include lever design and finish and hand

Example: 713 x ETJ x 26D x RHR

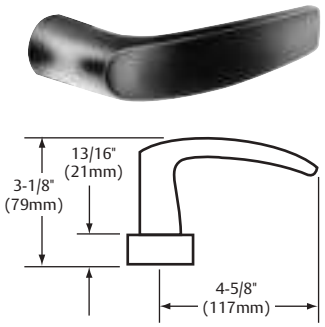
Note: ET trim used with 90 Series device use standard ET trims with out a suffix

A Lever

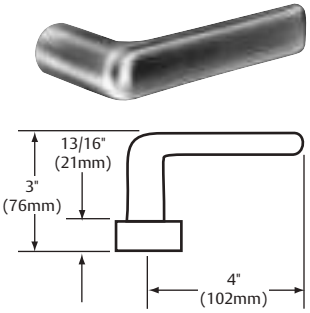
- Handed



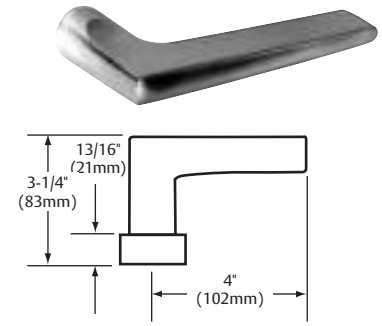
B Lever



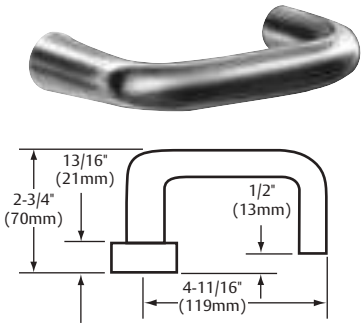
E Lever



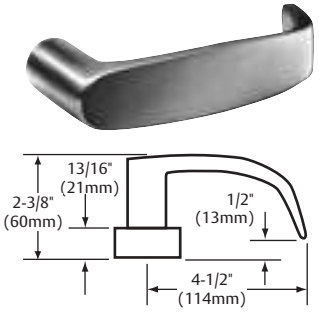
F Lever



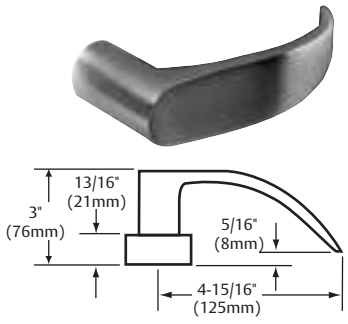
J Lever*



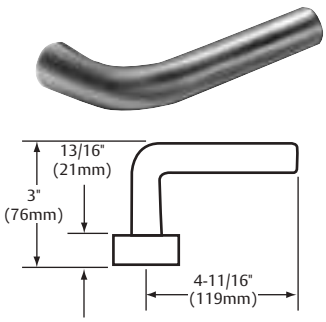
L Lever*



P Lever*

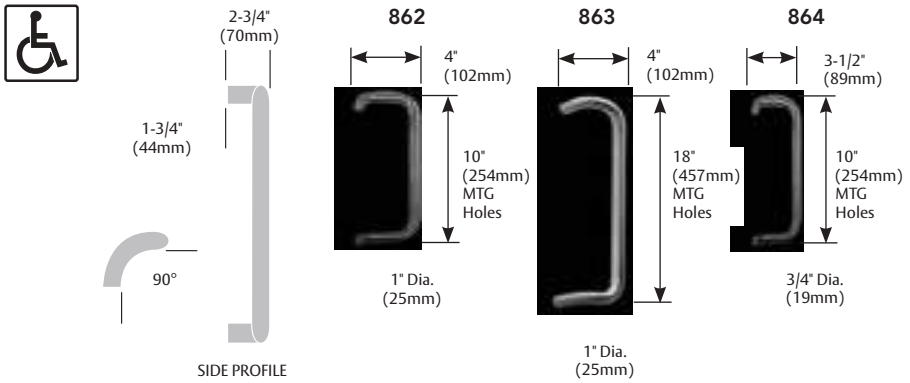


W Lever



* Lever returns within 1/2" (13mm) of door face

Pulls



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Studio Collection Levers

90 Series Exit Devices

Studio collection

Features

- Studio Collection levers can be used with all SARGENT 90 Series exit devices with ET trim
- All levers - solid brass or stainless steel
- Available with all lever functions
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32 & 32D, BSP, WSP
- Always specify hand

Centro Series



MD
MJ
MP[2,4]
ND[1]
NJ[1]

Notting Hill Series[4]

(Handed Levers)



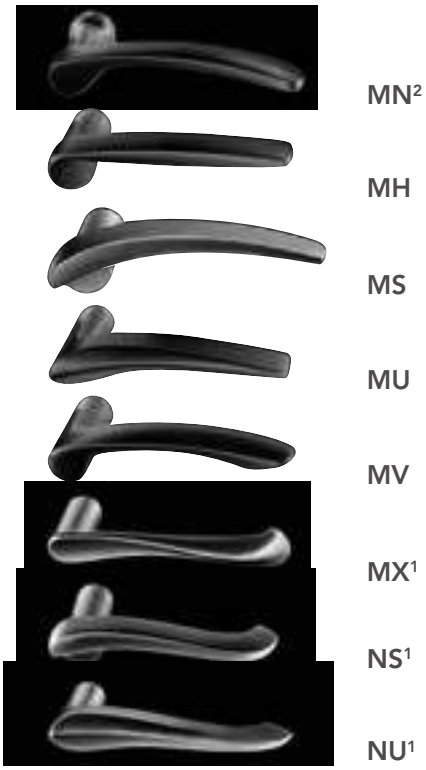
MQ
MT[2]
MY[1]
MO
MZ[1]

Aventura Series



MB
ME
MF
NF
MG
MI
NI[1]
MW[1]

Odéon Series[4]



MN[2]
MH
MS
MU
MV
MX[1]
NS[1]
NU[1]

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Simplí™ Roseless trim
4. Not available in 32D or 32 finish

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Studio Collection Levers

90 Series Exit Devices

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Gramercy Series[2,3]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin Series


H015


H016[1]


H017


H018

1. Lever returns within 1/2" (13mm) of door face
2. Levers are not available with Simplí™ Roseless trim
3. The Gramercy Levers are customized. Refer to the next page for ordering information

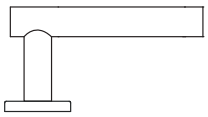
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Ordering Gramercy Series Levers

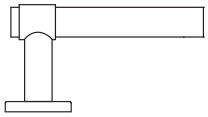
SARGENT®
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90 Series Exit Devices

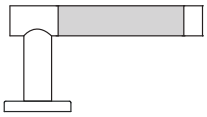
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629

How to specify: 90 Series Exit Devices x ET trim with Gramercy levers

					Gramercy Lever Information								
Options	Series	Functions	Voltage	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width	Opening Height	AFF
select from pages 19 & 20	90 Series	select from pages 4-11	specified for electrical functions		Leather insert	polished or satin stainless	black or brown	polished or satin stainless	RHR, RH, LHR, or LH	select from page 22		For vertical rod devices	Above Finished Floor
54-	97	75	12VDC	ET	RAL	29	BN	29	RH	32D	36"	84"	36"

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons

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Coastal Series Levers and Thumb Piece Pulls

90 Series Exit Devices

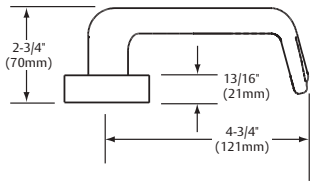
SARGENT®
ASSA ABLOY

- Coastal Series™ levers with ET Trim is available with 9900, 9800 & 9700 Devices
- All levers – solid cast brass
- All standard functions available
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26 & 26D, BSP, WSP

* Lever returns within 1/2" (13mm) of door face

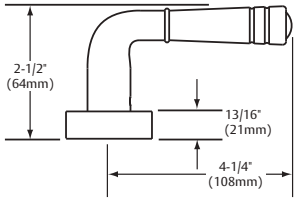
C* - Coronado™





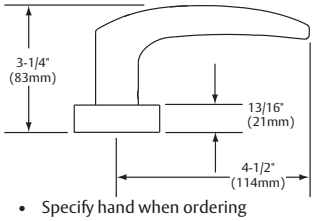
R - Rockport™





Y - Yarmouth™

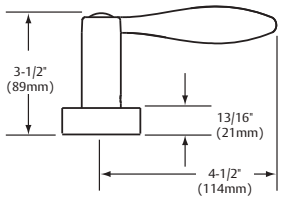




- Specify hand when ordering

G - Gulfport™

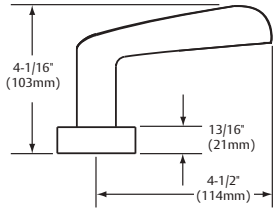




- Specify hand when ordering

S - Sanibel™





- Specify hand when ordering

Pulls and Thumb Piece Trims

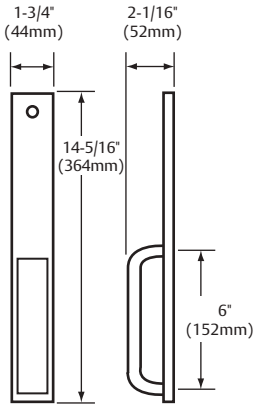
Pulls and trims are through-bolted.

Through-bolting of trim allows for perfect alignment of thumb pieces, cylinders and spindles.

Through-bolts pass through the chassis of the devices and are bolted directly to the trim.

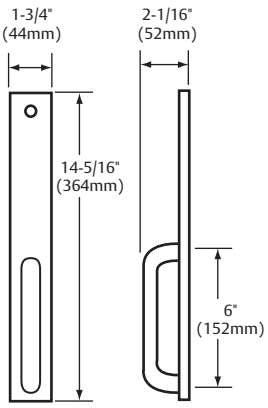
FLL





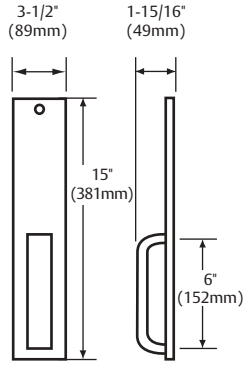
FLW





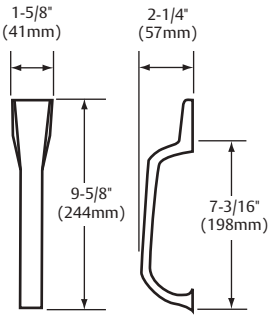
PTB





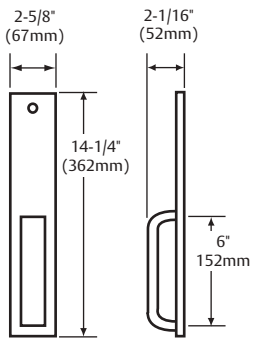
STS





MAL





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Electromechanical Functions and Accessories

90 Series Exit Devices

SARGENT® ASSA ABLOY

73 & 75 Electromechanical (Fail Safe)
74 & 76 Electromechanical (Fail Secure)



73 Functions: Fail Safe - Power Off, Unlocks Lever (No Cylinder)

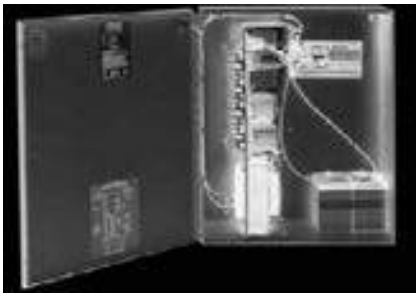
74 Functions: Fail Secure - Power Off, Locks Lever (No Cylinder)

75 Functions: Fail Safe - Power Off, Unlocks Lever includes Cylinder override

76 Functions: Fail Secure - Power Off, Locks Lever includes Cylinder override

- 75 & 76 functions: the key retracts latch
- Exit Device always allows egress
- Features EcoFlex™ technology
- Operates from 12-24 VDC. (Voltage must be specified)
- Actuator Draw = 400mA inrush / 15mA continuous @ 12VDC / 24VDC
- Provided with ElectroLynx® 8-Pin Connector

12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Electrified Trim to the electronic access control system, the following items are required:

- Electrified Trim (73, 74, 75 & 76 function ET's)
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC ElectroLynx® Hinges are recommended



SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Mullions: Aluminum, Steel and Electrified

90 Series Exit Devices

Aluminum Mullions

Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B
Stk Size	96"	96"	96"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*

Electrified

EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
96"
120"
No
#46 Only
Rectangular 2" x 3"
For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

*** Note:** Cylinder Kits must be ordered separately

Steel Mullions

Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"	96"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	Channel Iron & Malleable iron top & bottom retainers	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

*** Note:** Cylinder Kits must be ordered separately

Note for HC980/12-HC980 Mullions:

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions
  Part numbers for each model are listed in the price book

HCL980 Mullion Information

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203

Lockable Mullion Cylinder Kit Options

Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.

- L980, L980A, L980S & HC-L980 are 10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-
- EL980 are 10, 10-21-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-

Note: See page 21 for option details

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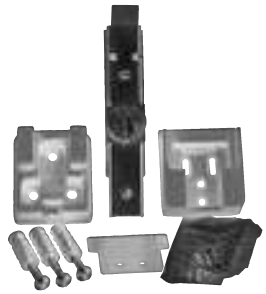
Mullion Accessories, Stabilizers and Door Coordinators

90 Series Exit Devices

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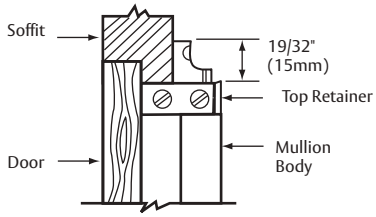
Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.



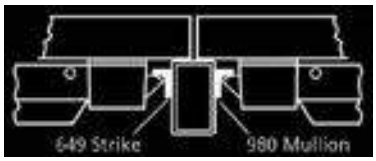
507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide

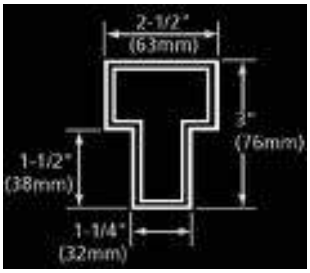


980S Mullion Application

- All steel mullions are 2" x 3"



980 Mullion & L980 Lockable Mullion

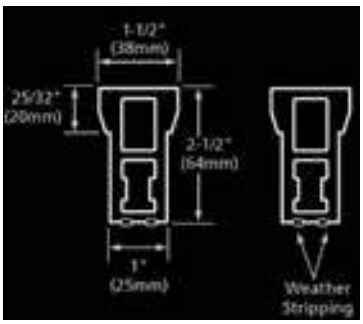


651 Mullion Stabilizer Kit

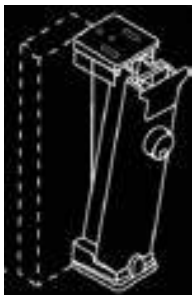


- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

650A Mullion



Lockable Mullion



980C1 Cylinder Mullion Kit



- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

Mullion Weights & Packaging

Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea

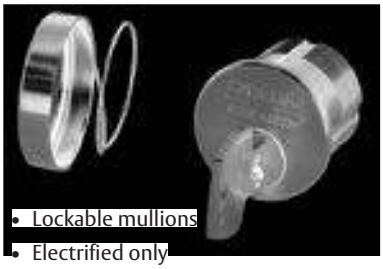
Cylinder Nut Wrench



This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

980C2 Cylinder Mullion Kit



- Lockable mullions only
- Electrified only
- Includes cylinder and collar

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Mechanical Options and Descriptions

90 Series Exit Devices

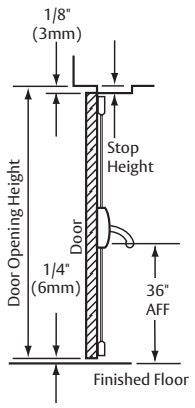
Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware
SVR Bolt	**14-**	Sliding bolt bottom case for 9700
Alternate Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 9900 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) (Not available with 9400 Devices) Extended lip strike supplied for 9900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Reinforced Cross Bar	**42-**	Reinforced Cross Bar (Not available with 9400 Devices)
Electrical Options	**54-**	Monitors ET Lever movement with Internal micro switch in ET Control
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Cross Bar
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Cross Bar & Abrasive coating on Outside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Through Bolts	**TB-**	Through-bolts for 9900, 9800 & 9700 Devices

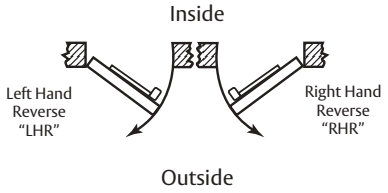
Note: Tactile Warning with Knurled Cross Bars is available, please consult factory (not available with 9400 devices)

Mounting Heights

- 36" (914mm) Cross Bar above finished floor for standard application



Hand



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Cylinder Options and Descriptions

90 Series Exit Devices

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC Removable Core	**10-63-**	SARGENT Signature Removable Core Cylinder
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Removable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Removable Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)

Note: For V-10 Cylinders and information, contact ASSA, Inc @ 800-235-7482

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Cylinder Options and Descriptions

90 Series Exit Devices

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Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Removable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Removable Permanent Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

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How to Order

90 Series Exit Devices

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How to Order Exit Devices

Example Order:

12-	99	75	ETMR	12VDC	RHR	26D	32D	36"	84"	36"
Options	Device Type	Function	Trim	Voltage	Hand Finish	Outside Finish	Inside Finish	Door Width	Opening Height	AFF
Available Options Listing Pgs 19-20	99 - Mortise 98 - Rim 97 - SVR 94 - CVR Narrow	04 - Night Latch 06 - Night latch 10 - Dummy 13 - Classroom 15 - Passage 28 - TP Passage 63 - TP Classroom 73 - Solenoid Fail Safe 74 - Solenoid Fail Secure 75 - Solenoid Fail Safe w/Cyl 76 - Solenoid Fail Secure w/Cyl	For ET trim specify ET followed by Lever design, See pages 12-15 For Thumb Piece Trims and Pulls specify Trim Designation as specified by Device Type For 300 Series Auxiliary Controls; specify 306 or 313 with 10, 73 or 74 Function Devices	12VDC 24VDC Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76	RHR LHR	Available Finishes page 23	Inside Finish Available Finishes page 23	If door width is supplied Cross Bar will be cut to size	Required for Vertical Rod Exit Devices	36" Cross Bar above finished floor for std application

Legend

AFF - Above Finish Floor
ET - SARGENT External Lever Trim
CVR - Concealed Vertical Rod
TP - Thumb Piece Trim
SVR - Surface Vertical Rod

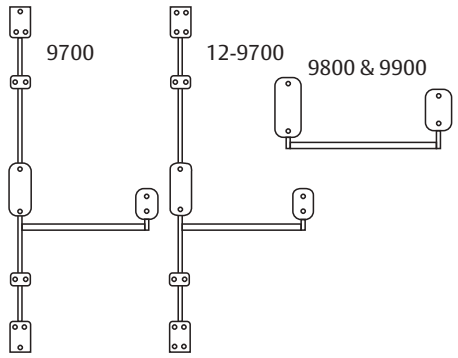
Through-bolts

Device	Through-bolts	*Ordering
9800	4	97-2578
9900	4	97-2578
12-9800	4	97-2578
12-9900	4	97-2578
9700	14	97-2579
12-9700	14	97-2596

***Specify Finish**

To order Through-bolts, specify TB- Option. Examples: TB-9804 x FLL x RHR x 32D. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering.

Center Bearing Bracket



All exit devices used on doors 48" wide and wider will be furnished with a matching center bearing bracket at an additional charge. This bracket assists in supporting the long crossbar and adds an extra spring to help counter balance the crossbar.

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Finishes and Finish Care

90 Series Exit Devices

Finishes

SARGENT #	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
BSP	—	Black Suede Powder Coat		
WSP	—	White Suede Powder Coat		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL+	614	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
20D	624	Statuary dark bronze, clear coated		
32**‡	629**	Polished stainless steel		
32D**‡	630**	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

+ **Note:** Finish not available, 9400 / 12-9400

** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 26 or 26D is automatically supplied as a trim finish when 32 or 32D is specified for the exit device finish. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: Arms Nickel Plated to match 32 and 32D
Note: FLW Trim is NOT available in 32 or 32D
Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW which is available in 14 and 15.

To avoid discoloration and pitting:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

To maintain the finish:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

Suggested Architect's Specification

- All exit devices must be listed under "panic hardware" in accident equipment list of Underwriters' Laboratories
- All exit devices, regardless of type, shall be of matching design
- Crossbar must have minimum wall thickness of .062" or be reinforced
- Main arm pivots shall be stainless steel
- Springs shall be stainless steel
- Crossbars and arms shall be counter balanced by springs in both center case and hinge style cases
- All exit devices shall be of chassis mounted unit construction with removable covers
- Top and bottom rods of vertical rod devices shall be a minimum of 3/8" diameter
- Where labeled fire doors are used as exits, they must be equipped with labeled fire exit hardware
- All crossbars on exit devices to be locked down by inside dogging feature accomplished by depressing crossbar and turning key

Rod Replacement Kits

Product	Top Rod Kit *	Bottom Rod Kit **
3	670T	670B

Note: Finish Information Required
* Door Height & Rail Location Required
** Rail Location Required

571 Rod Extension Kits

- For use on surface mounted vertical rods
- Kits available in 6" (15.2cm), 12" (30.4cm) or 18" (45.7cm) lengths

To order: Specify length and finish
Example: 571-6" x 26D

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

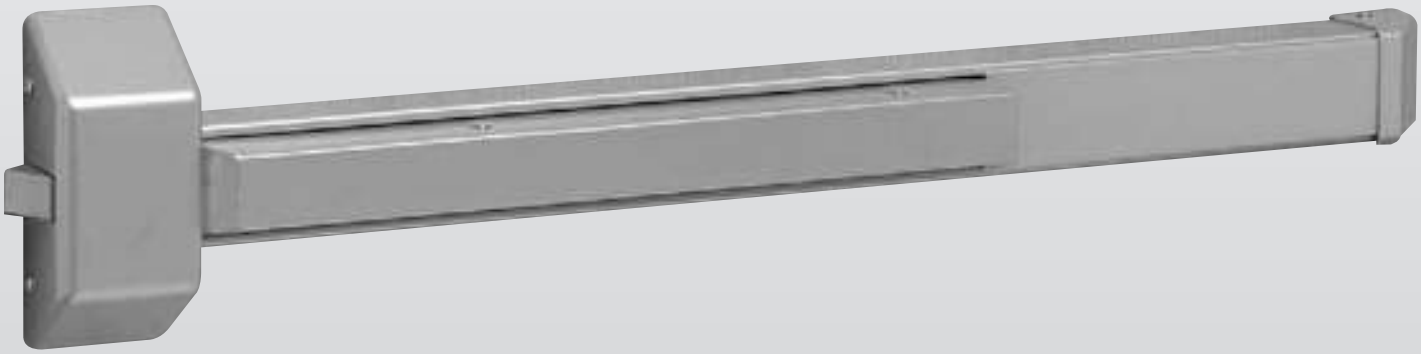
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90128 04/21

Product Catalog

SARGENT
ASSA ABLOY

30 Series
Exit Device



Experience a safer
and more open world

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On The Cover

- SARGENT 3828 Rim Exit Device with EN Finish

Features, Applications and UL Fire Door Ratings

30 Series Exit Device

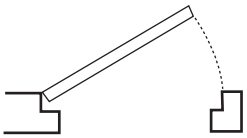
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Applications

Features

- Rugged exit device in surface vertical rod and rim designs
- Chassis mounted unit construction assures easy installation and maintenance
- Tapered push rail and angled covers
- Steel endcaps and covers
- Up to five functions with a variety of trim
- All exit devices meet ANSI/BHMA Standard 156.3, Grade 1
- UL Listed
- UL Listed to Canadian safety standards
- Available as Fire Exit Hardware (12-)

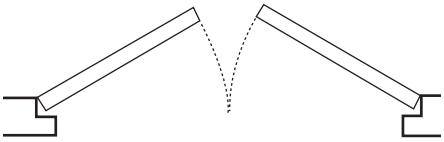
Single Door



Vertical Rod Type 3727 / NB3727
Surface applied 2 / 1 point lock.

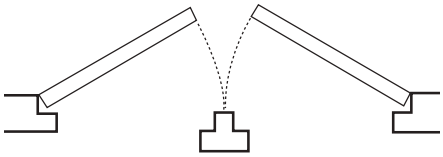
Rim Type 3828
Surface application.

Pairs of Doors without Mullion



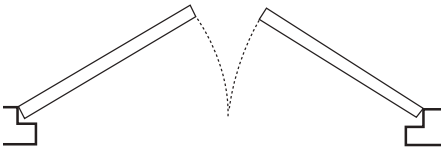
Vertical Rod Type 3727 / NB3727 - 2 Each
Surface applied 2 / 1 point locking both doors. Each door active. Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 3828 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Vertical Rod Type 3727 / NB3727 - 1 Each
Rim Type 3828 - 1 Each
Both devices are surface applied.
A coordinator is required.

Maximum Door Openings & UL Fire Door Ratings

For available functions and outside trim, see charts for regular exit devices

• = Available			UL Fire Door Rating				
Application & Type	Regular Design	Maximum Door Opening	(A) 3 Hour	(B) 1 1/2 Hour	(B) 1 1/2 Hour	(D) 1/2 Hour	(E) 3/4 Hour
Single Doors Rim Type	12-3828	4'0" X 8'0" (1219mm X 2438mm)	•	•	•	•	•
Pair of Doors Two Surface Mounted Vertical Rod Type - Swinging in same direction	*12-3727 x *12-3727 *12-NB3727 x *12-NB3727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Rim Type with 12-980 Mullion	12-3828 x 12-3828	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Surface Mounted Vertical Rod Type - Swinging in opposite directions	12-3727 x 12-3727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
	12-NB3727 x 12-NB3727^		•	•	•	•	•

Note: Please contact door manufacturer for specifications regarding fire door construction

*Limited for fire doors listed by UL for this use. NFPA requires an astragal on 3 hour applications. Vertical rod application will not work with astragal.

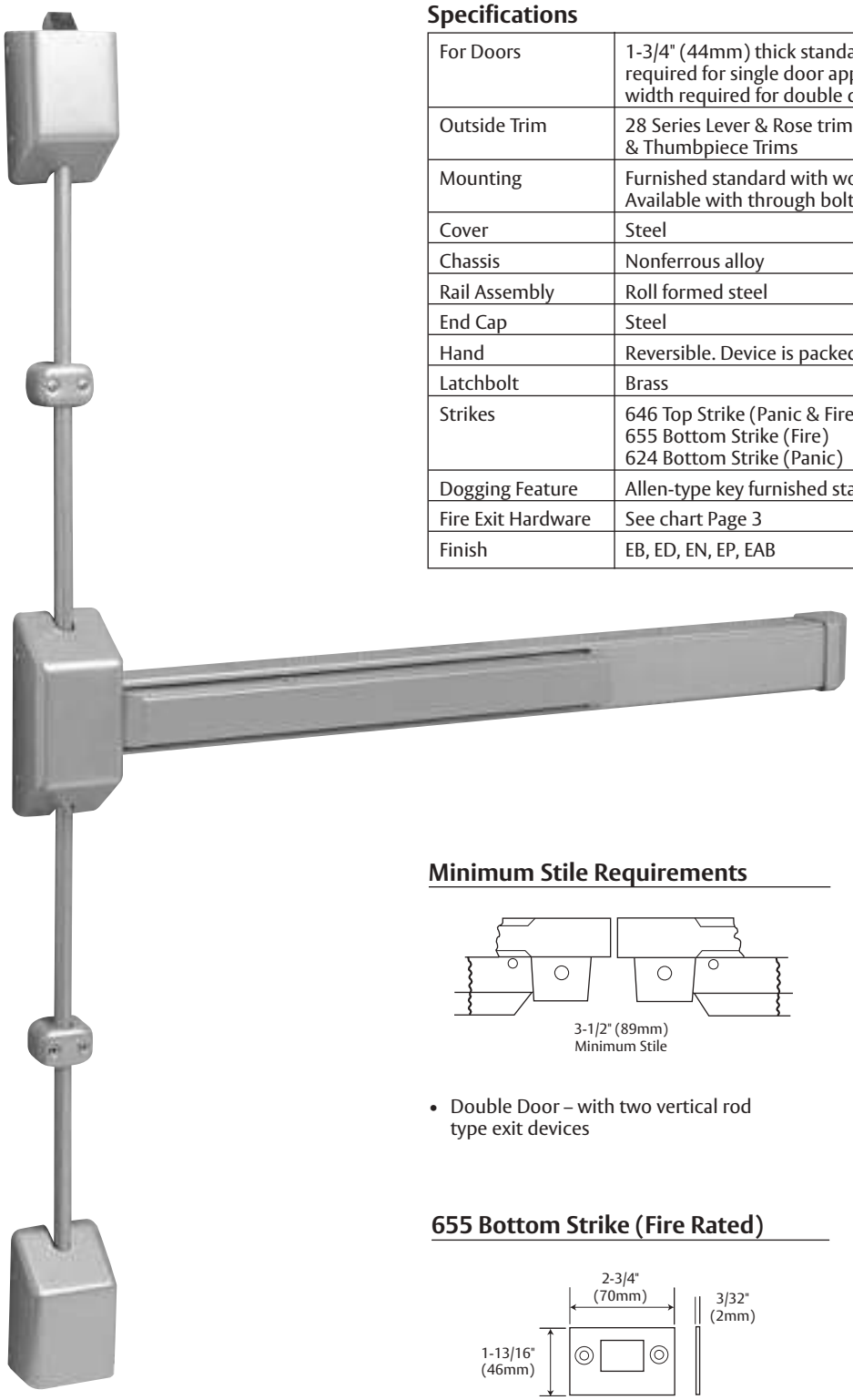
^ Thermal pins required, 2 pins per set, 1 per door.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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3727 / NB3727
Vertical Rod Type Exit Device
30 Series Exit Device

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Specifications

For Doors	1-3/4" (44mm) thick standard. 3-3/4" (95mm) minimum stile width required for single door application. 3-1/2" (89mm) minimum stile width required for double door application. Standard AFF is 41"
Outside Trim	28 Series Lever & Rose trims, GTB/HTB Pulls & Plates, OB Knob trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with through bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Reversible. Device is packed standard LHRB
Latchbolt	Brass
Strikes	646 Top Strike (Panic & Fire) 655 Bottom Strike (Fire) 624 Bottom Strike (Panic)
Dogging Feature	Allen-type key furnished standard (Non Fire Rated Devices Only)
Fire Exit Hardware	See chart Page 3
Finish	EB, ED, EN, EP, EAB

The 3727/NB-3727 Multi-function SVR Exit Device is the perfect stocking device.

- 6 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

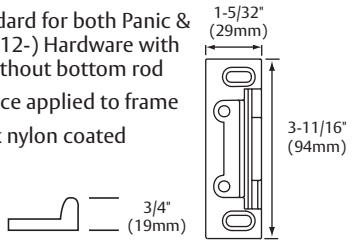
Order as an 3727 followed by rail size, opening, AFF and finish

Minimum Stile Requirements

- Double Door – with two vertical rod type exit devices

646 Top Strike

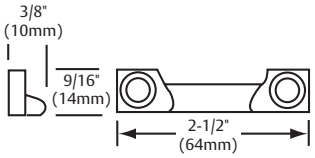
- Standard for both Panic & Fire (12-) Hardware with or without bottom rod
- Surface applied to frame
- Black nylon coated



655 Bottom Strike (Fire Rated)

- Standard for 12-
- Stainless steel
- Black nylon coated

624 Bottom Strike (Panic)



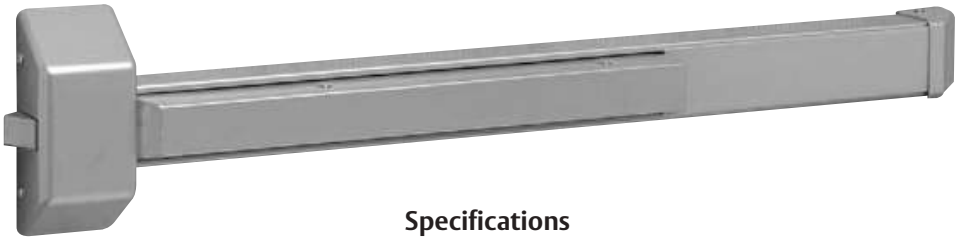
- Standard for 3727
- Applied to surface of floor or to a flat threshold
- Black nylon coated

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3828 Rim Type Exit Device

30 Series Exit Device

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The 3828 Multi-function Rim Exit Device is the perfect stocking device.

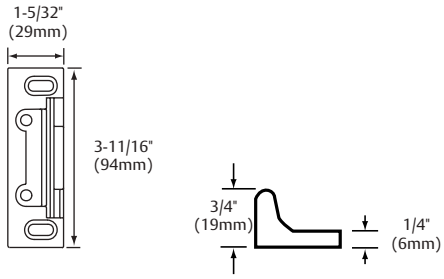
- 7 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

Order as an 3828 followed by rail size and finish

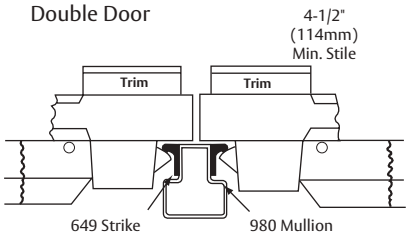
Specifications

For Doors	1-3/4" (44) thick standard. 4-1/2" (114mm) minimum stile width required for single or double door application using standard 649 strike
Outside Trim & Thumbpiece Trims	28 Series Lever & Rose trims, GTB/HTB Pulls & Plates OB Knob trims
Mounting	Furnished standard with wood and machine screws Available with through bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Non handed
Latchbolt	Stainless steel 3/4" (19mm) throw
Strike	649 packed standard
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart Page 3
Finish	EB, ED, EN, EP, EAB

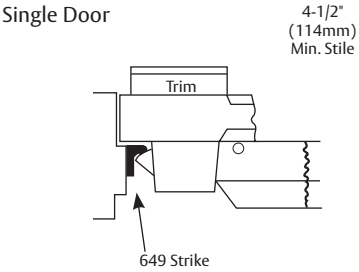
649 Strike



Minimum Stile Requirements



Minimum Stile Requirements



- Surface applied
- Standard & Fire Rated
- Strikes are black nylon coated

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30 Series Trims

30 Series Exit Device

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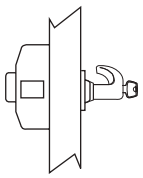
The trim function determines the function of the exit device. All 28 Series trims work with all 30 Series Exit Devices, except where noted.
Note: All trims and exit devices are ordered and packaged separately.

28 Series Lever & Rose Trim for 3727/3828 Series Exit Devices

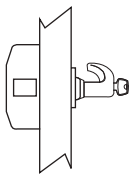


Lever & Rose Trim
- For 1-3/4" (44mm) doors only
- Functions available for 04, 06, 10, 13 & 15
- Not handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D, 26D, BSP & WSP
- Lever designs available: "L", "B", "P"

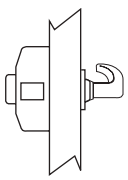
To order specify 28 followed by the function
Trim will not retrofit on devices purchased prior to 2000. Consult factory.
(K, N, D, C or L), the rose (L), the lever (L, B or P) and finish
Example: 28-K-LL x 26D



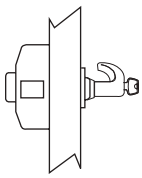
28-K-LL
Night Latch
Key in lever retracts latchbolt.
04 Function
For 3828 only
(ANSI 03)



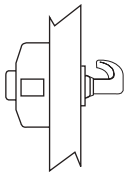
28-N-LL
Night Latch
Lever operates only when key is in cylinder and turned.
06 Function
(ANSI 09)



28-D-LL
Dummy
Lever rigid at all times & no outside function.
10 Function
(ANSI 02)



28-C-LL
Entrance
Key in lever locks or unlocks lever.
13 Function
(ANSI 08)



28-L-LL
Passage
Latchbolt operated by lever.
No Cylinder
15 Function
(ANSI 14)

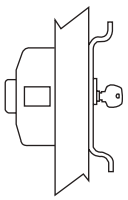
28 Series GTB/HTB Pulls & Plates for 3727/3828 Series Exit Devices



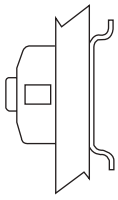
810-GTB 802-GTB 814-HTB

- For 1-3/4" (44mm) doors standard
- Through-bolted with 3 mortise nuts
- Pulls project 1-1/2" (38mm) from door face
- GTB Design trim will cover a 161 cutout
- Trim ordered separately.
- Finishes: EN, EB, ED, EP & EAB
- For cylinder operation only with no trim (Specify 3828 x 34 rim cylinder x Finish)

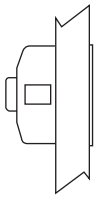
To order specify: trim design and finish
Example: 814-HTB x EN



814-HTB
Night Latch
Outside by pull and key. (3828 only)
04 Function
(ANSI 03)



810-GTB
Exit Only with Pull
Outside pull when push bar is locked down.
10 Function
(ANSI 02)



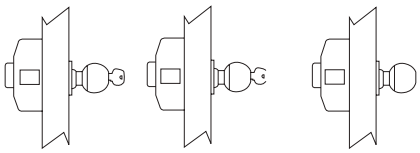
802-GTB
Exit Only
Blank plate to cover 161 cutout.
10 Function
(ANSI 01)

28 Series OB Knob Trim for 3727/3828 Series Exit Devices



- For 1-3/4" (44mm) doors only
- Functions available for 04, 13 and 15
- Non-handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D, 26D, BSP & WSP

To order specify 28 followed by the function (K, C or L), the rose (O), the knob (B) and finish
Example: 28-K-OB x 26D



28-K-OB
Night Latch
Key in knob retracts latchbolt.
3828 only
04 Function
(ANSI 03)

28-C-OB
Entrance
Key in knob locks or unlocks knob.
13 Function
(ANSI 08)

28-L-OB
Passage
Latchbolts operated by knob.
No Cylinder
15 Function
(ANSI 14)

28 Series Thumbpiece Trim for 3727/3828 Series Exit Devices



- Finishes: EN, EB, ED, EP & EAB

***1 3/4" Door Only**

866-TP
Key locks or unlocks thumbpiece.
(63)

814-TP
Key retracts latchbolt. (3828 ONLY)
(04)

828-TP
Thumbpiece always operable.
(28)

810-TP
Dummy trim.
(10)

To order specify: trim design and finish
Example: 866-TP x EN

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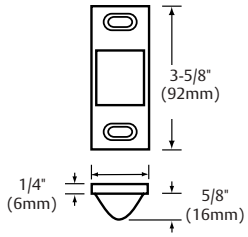
Alternate Strikes and Shim Kits

30 Series Exit Device

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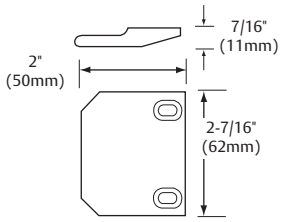
Alternate Strikes

613 Strike (Alternative for 3828)



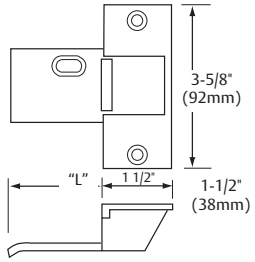
Half mortised. Nylon coating on face plate only. Minimum stile 4". When ordered separately, specify finish.

644 Strike (Alternative for 3828)



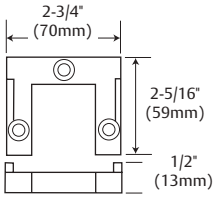
Surface applied. For use on pair of doors without mullion. Specify outside finish when ordered separately.

642 Strike (Alternative for 3828)



Full mortised Dimension "L" equals door thickness plus 1/2" (13mm).

653 Bottom Strike (Alternate for 12-3727)



Available on order for 12-3727. For use with 1/2" (13mm) high threshold. Cut threshold to fit strike. Stainless steel. Furnished with expansion shields.

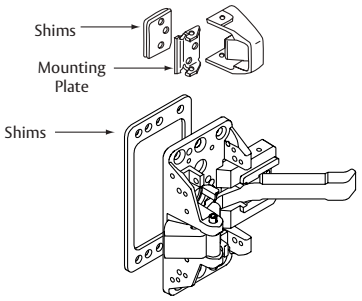
Glass Bead Shim Kits

558 for 3828 and 12-3828 Exit Devices

559 for 3727 and 12-3727 Exit Devices

Note: When ordering shim kits for exits with outside trim, spindle length, thumbpiece length and through bolt length must be increased accordingly.

(2 pieces 1/8" shim supplied. 1/4" total.)



Through Bolt (TB) Applications

Device	Door Thickness	*Ordering Number
3727	1-3/4" (44mm) 2-1/4" (57mm)	28-2031 28-2032
12-3727	1-3/4" (44mm) 2-1/4" (57mm)	28-2078 28-2088
3828 & 12-3828	1-3/4" (44mm) 2-1/4" (57mm)	28-2024 28-2025

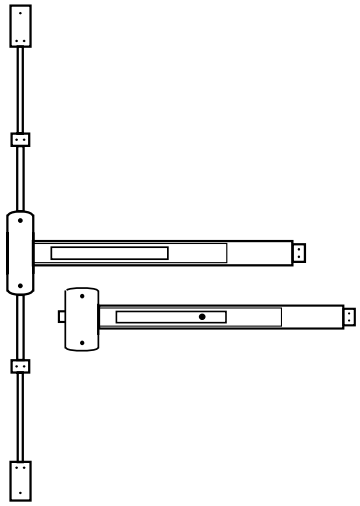
*Specify finish

Through bolts and mortise nuts are furnished in a pack along with the appropriate instruction sheet for device ordered.

To order through bolts and mortise nuts with an exit device, add suffix TB to trim pack.

Example: 3727 x TB x EN
Available finishes: EB, EN, ED, EAB

To order through bolts and mortise nut packs separately, see chart above.



Rod Replacement Kits

Product	Top Rod Kit ++	Bottom Rod Kit +++
3700+	672T	672B

+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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Mullions and Door Kits

30 Series Exit Device

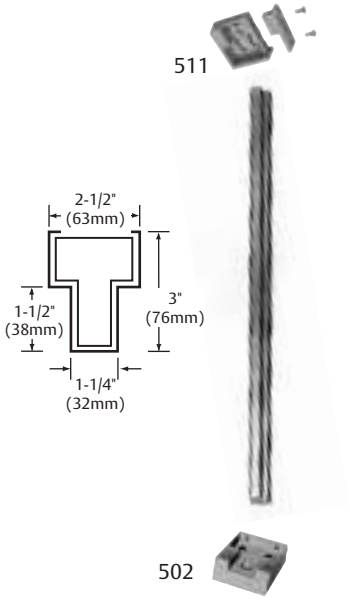
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980 Removable Mullion

980 Extruded Aluminum (prime coat)
980A Aluminum (US28)

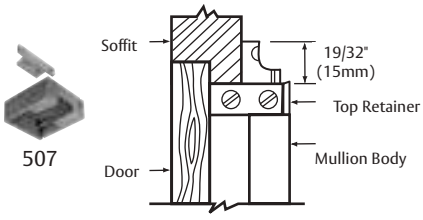
Consists of:

- Mullion
- 511 Top Retainer
- 502 Bottom Retainer
- 96" (2438mm) stock size; 120" (3000mm) available



507 Adapter for Narrow Transom Bars

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide



12-980 Mullion (96" maximum)

For 12-3828

2" x 3" Channel Iron. Malleable iron top and bottom retainers.

- 96" (2438mm) stock size; 120" (3000mm) available
- 120" Mullions do not carry UL fire label

Top Retainer Shim Kit - 601



543 Stock Hollow Metal Door Kit

Kit consists of a 649 Strike Shim, a 161F Lock Front Filler, and a 86S Strike Filler for applying a 3828 Series Exit Device on doors prepared with Fed. Type 161 cutouts, and frames prepared for ANSI A115-2 Strikes.

The 649 strike shim is 1/8" (3mm) thick and is used to obtain the correct distance between the exit device case and the 649 surface applied strike, when the stop is 1/2" (13mm) high.

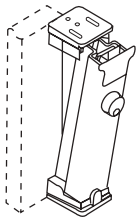


649
Strike Shim

161
Lock Front Filler

86S
Strike Filler

L980 Lockable Mullion



- Aluminum Prime Coat
- Specify: "L980A"Anodized Aluminum
  Specify: "L980A x10B" for 313AN to match 10B
- Used for non fire rated applications
- 96" (2438mm) stock size
- 120" (3000mm) available
- Standard #41 cylinder (1-1/8")
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Wall Mount Kit 98-2578
- Top Ret Pack 98-2526
- Bottom Ret Pack 98-2525
- Cylinder Kit must be ordered separately (980C1)

12-L980 Lockable Mullion

- Steel
- Fire rated for 8'0" x 8'0" (2438mm x 2438mm) paired openings
- 96" (2438mm) Stock Size
- 120" (3000mm) (Non Fire Rated) available
- #41 cylinder standard
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be ordered separately (980C1)

EL980 Electric Lockable Mullion

- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 96" (2438mm) stock size
- 120" (3000mm) available
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be ordered separately (980C2)

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 mullion

Retainer Packs

Product #	Description
98-2526	Top Ret. pack for L980
98-2525	Bottom Ret. pack for L980
98-2558	Top Ret. pack for 12-L980
98-2556	Bottom Ret. pack for 12-L980
98-2559	Top Ret. pack for EL980

Note: For complete Listing of available mullions, see the 80 Series Catalog

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Mechanical and Cylinder Options

30 Series Exit Device

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Mechanical Options:

Note: Mechanical Options are available for Exit Devices only

Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
Dogging Options	**16-**	Cylinder Dogging (Non Fire Rated Devices Only)
	LD-	Less Dogging (Non Fire Rated Devices Only)
Electrical Options	**55-**	Request to Exit - Signal Switch in Rail
Top Rod Only	**NB-**	Less Bottom Rod (Available for 3727 Devices)

Cylinder Options:

Note: Cylinder Options are available for 16- Exit Devices and 04, 06 & 13 function trims

	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	X	X	X	X
	DG1-21-	Degree Level 1 Construction Master Keying	X	X	X	X
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	X		X	X
	DG1-63-	Degree Level 1 Removable Core	X		X	X
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	X		X	X
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	X	X	X	X
	DG2-21-	Degree Level 2 Construction Master Keying	X	X	X	X
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	X		X	X
	DG2-63-	Degree Level 2 Removable Core	X		X	X
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	X		X	X
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	X	X	X	X
	DG3-21-	Degree Level 3 Construction Master Keying	X	X	X	X
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	X		X	X
	DG3-63-	Degree Level 3 Removable Core	X		X	X
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	X		X	X
Signature Key System	**10-**	SARGENT Signature Key System	X	X	X	X
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	X	X	X	X
	10-63	SARGENT Signature LFIC (Removable Core) Cylinder	X		X	X

Note: For cylinder options not shown, please contact factory for availability

Note: For V-10 Cylinders and information, contact ASSA

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Cylinder Options

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	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
XC- Key System	**11-**	XC Key System (not available with other key systems unless specified)	X	X	X	X
	11-21-	XC- Construction Key System (Lost Ball)	X	X	X	X
XC- Large Format Interchangeable Core	**11-60**	Hardware to accept XC- Permanent LFIC (Removable core), Disposable plastic Core- provided	X		X	X
	11-63	Hardware provided with XC- LFIC (Removable core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	11-64	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent core (ordered separately)	X		X	X
XC- Interchangeable Cores	**11-70-7P**	Lock to accept XC- SFIC (7-Pin) XC- Permanent cores, plastic disposable core provided	X		X	X
	11-72-7P	Lock to accept XC- SFIC (7-Pin Keyed Construction core provided) cylinder Permanent core ordered separately	X		X	X
	11-73-7P	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)	X		X	X
	11-65-73-7P	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) core - (packed loose)	X		X	X
Large Format Interchangeable Core	**60**	Hardware to accept SARGENT Permanent LFIC (Removable core), Disposable plastic core provided (Permanent cores ordered separately)	X		X	X
	63	Hardware provided with LFIC (Removable core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	64	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent core (ordered separately)	X		X	X
Interchangeable Cores	**70**	Lock to accept 6- or 7-Pin SFIC Permanent cores, plastic disposable core providec	X		X	X
	72	Lock to accept 6- or 7-Pin SFIC (Keyed Construction core provided) Cylinder (Permanent core ordered separately)	X		X	X
	73	Lock supplied with 6-Pin SFIC (includes masterkeying, grand masterkeying)	X		X	X
	65-73	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) core - (packed loose for field keying)	X		X	X
	65-73-7P	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (packed loose for field keying)	X		X	X
	73-7P	Lock supplied with Small Format 7-Pin Interchangeable core (includes masterkeying, grand masterkeying)	X		X	X
Keso & Keso F1	**80**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided			X	X
	81	Cyl to accept Keso and Keso F1 - Removable cores - no core provided			X	X
	82	Lock provided with SARGENT Keso Security Cylinder			X	X
	F1-82	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)			X	X
	83	SARGENT Keso Security Removable Core Cylinder (for existing systems only)			X	X
	84	SARGENT Keso Security Removable Construction Core Cylinder			X	X
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)	X	X	X	X
	22-	SARGENT Construction Split Key System for Conventional Cylinders (for existing systems only) (N/A with 10-, 11-, 63- or 73-)	X	X	X	X
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)	X	X	X	X
Less Cylinder	**LC-**	Less Cylinder	X	X	X	X
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted	X	X	X	X
	SE-	Schlage E keyway cylinder, 0 bitted	X	X	X	X
	SF-	L lever to accept Schlage large format interchangable core (supplied less core, tailpiece included)	X			

Note: For cylinder options not shown, please contact factory for availability

Note: For V-10 Cylinders and information, contact ASSA

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Ordering Information, Rail Sizes and Finishes

30 Series Exit Device

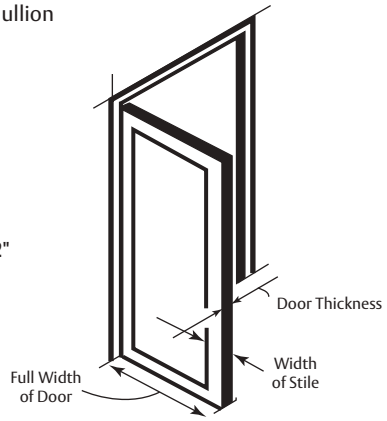
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Check List for Ordering

Indicate the following door and frame information:

- Single doors, or pair of doors with mullion, or pair of doors without mullion
- Door and frame material
- Dimensions:
  - Door opening width
  - Stile width
  - Door thickness
  - Stop height

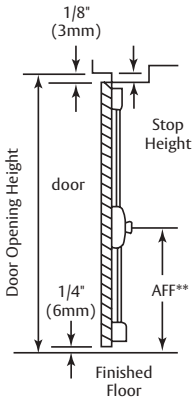
Example: Single Door x Hollow Metal Frame 36" x 5" x 2-1/4" x 1/2"



- If Vertical Rod Devices also indicate:
  - Mounting height
  - Door opening height
  - Threshold height
  - If no threshold is used, so state
  - Unless threshold information is indicated, exit device will be furnished for use without threshold
- Mullion stock size is 96" (2438mm); 120" (3000mm) available
- In ordering templates for hollow metal doors and/or frames, state job name on template order. Give template order number or template numbers on hardware order

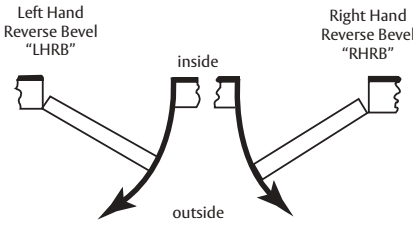
Stock Rail Sizes Available

E	For doors	24" through 32"	61cm through 81cm
F	For doors	33" through 36"	82cm through 91cm
J	For doors	37" through 42"	94cm through 107cm
G	For doors	43" through 48"	109cm through 122cm



Finishes available with Lever & Rose Trim and OB Knob Trim

SARGENT Designation	ANSI/BHMA Designation	Finish Description
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze, equivalent
20D	624	Statuary bronze dark powder coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat



Finishes available with Exit Devices, GTB Trims & Thumbpiece Trim

SARGENT Designation ANSI/BHMA Designation	ANSI/BHMA Designation Finish Description	Finish Description SARGENT Designation
EB	690	Sprayed bronze enamel or polyester powder coated to match finish 10B
ED	693	Sprayed black enamel or polyester powder coated to match finish 20D
EN	689	Sprayed aluminum enamel or polyester powder coated
EP	691	Sprayed bronze enamel or polyester powder coated to match finish 10
EAB	696	Brass enamel or polyester powder coated to be used with brass finishes

** AFF: Above Finish Floor or Threshold; Required information for 3727 Devices. Standard mounting height 41" (104mm) above finished floor to centerline of device or 38" (965mm) above finished floor to centerline of device for elementary schools.

Packaging

Product	Avg. WT	Case
Exit with trim	15 lbs.	1 ea
980 mullion	18 lbs.	1 ea
12-980 mullion	40 lbs.	1 ea

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Architectural Specifications and How To Order

30 Series Exit Device

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How to order 3727/3828 Multi-function Exit Devices:

Specify the following for 3727 Devices:					
Options	**Series**	**Rail**	**Opening**	**AFF**	**Finish**
11-NB-	3727	F	84"	41"	EN

Specify the following for 3828 Devices:			
Options	**Series**	**Rail**	**Finish**
11-16-	3828	F	EN

- All trims and functions listed on this page, work with 3727 & 3828 Exit Devices, except where noted
- Available Options listed on Page 9

How to order Trim for 3727 & 3828 Exit Devices (Exit Device Sold Separately)
Example:

11-	28-C-LL		26D	
Options	**Available Trim & Function Designation**		**Available Finishes**	
Available Options See Page 9	**Lever & Rose Trim**		**Lever & Rose Finishes**	
	28-K-LL (04 Function)	28-C-LL (13 Function)	03	04
	28-N-LL (06 Function)	28-L-LL (15 Function)	10	10B
	28-D-LL (10 Function)		10BE	20D
			26D	
	GTB/HTB Trims & Pulls		**GTB/HTB Finishes**	
	814-HTB (04 Function)		EN	EB
	802-GTB (10 Function) Exit Only		ED	EP
	810-GTB (10 Function) Pull		EAB	
	OB Knob Trim		**OB Knob Finish**	
	28-K-OB (04 Function)		03	04
	28-C-OB (13 Function)		10	10B
	28-L-OB (15 Function)		10BE	20D
			26D	
	Thumbpiece Trim		**Thumbpiece Finishes**	
	814-TP (04 Function)		EN	EB
	810-TP (10 Function)		ED	EP
	866-TP (63 Function)		EAB	
	828-TP (28 Function)			

Suggested Architect's Specifications

- All exit devices shall be of touch bar design and be operative over 2/3 of the door's clear opening width
- All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriter's Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware
- All springs shall be of stainless steel
- All exit devices shall be of chassis mounted unit construction with removable cover

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

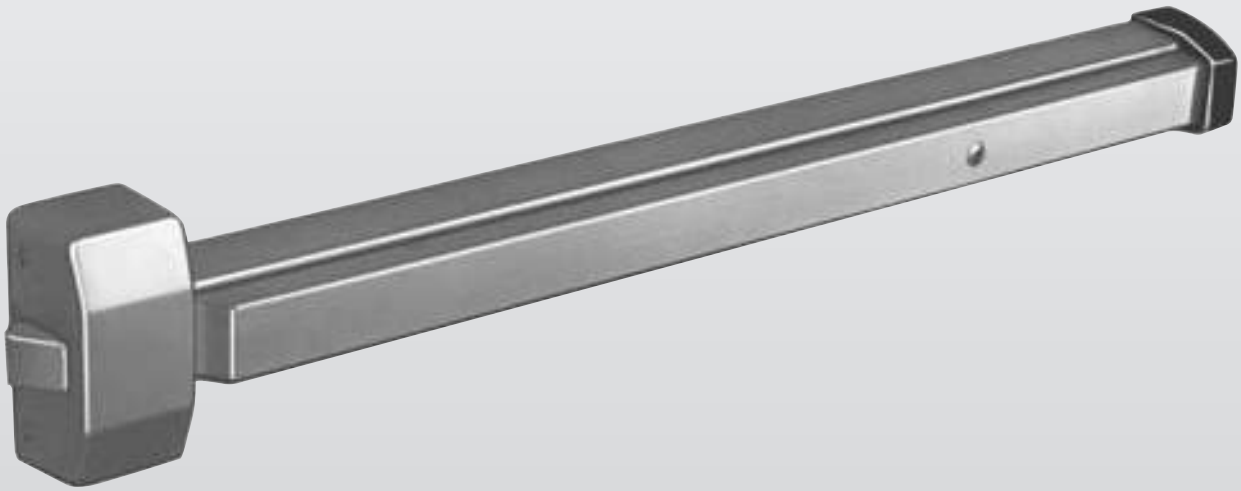
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Product Catalog

SARGENT
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20 Series
Exit Device



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20 Series Exit Device

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On The Cover

- SARGENT 2828 Rim Exit Device with EN Finish

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Features, Applications and UL Fire Door Ratings

20 Series Exit Device

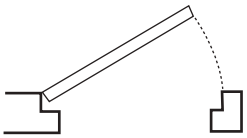
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Applications

Features

- Rugged exit device in surface vertical rod and rim designs
- Chassis mounted unit construction assures easy installation and maintenance
- Tapered push rail and angled covers
- Steel endcaps and covers
- Up to five functions with a variety of trim
- All exit devices meet ANSI/BHMA Standard 156.3, Grade 1
- UL Listed
- UL Listed to Canadian safety standards
- Available as Fire Exit Hardware (12-)

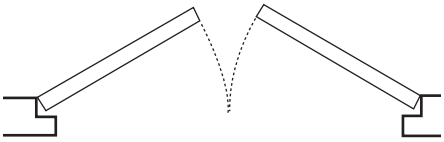
Single Door



Vertical Rod Type 2727
Surface applied 2 / 1 point lock.

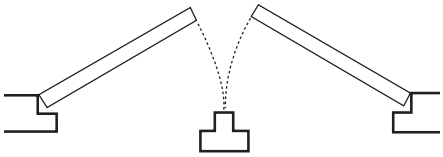
Rim Type 2828
Surface application.

Pairs of Doors without Mullion



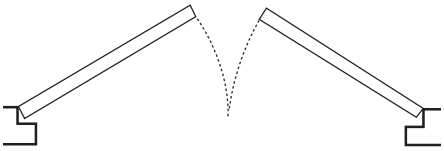
Vertical Rod Type 2727 - 2 Each
Surface applied 2 / 1 point locking both doors. Each door active. Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion



Rim Type 2828 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion



Vertical Rod Type 2727 - 1 Each Rim Type 2828 - 1 Each
Both devices are surface applied. A coordinator is required.

Maximum Door Openings & UL Fire Door Ratings

For available functions and outside trim, see charts for regular exit devices

• = Available			UL Fire Door Rating				
Application & Type	Regular Design	Maximum Door Opening	(A) 3 Hour	(B) 1 1/2 Hour	(B) 1 1/2 Hour	(D) 1/2 Hour	(E) 3/4 Hour
Single Doors Rim Type	12-2828	4'0" X 8'0" (1219mm X 2438mm)	•	•	•	•	•
Pair of Doors Two Surface Mounted Vertical Rod Type - Swinging in same direction	*12-2727 x *12-2727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Rim Type with 12-980 Mullion	12-2828 x 12-2828	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•
Two Surface Mounted Vertical Rod Type - Swinging in opposite directions	12-2727 x 12-2727	8'0" X 8'0" (2438mm X 2438mm)	•	•	•	•	•

Note: Please contact door manufacturer for specifications regarding fire door construction

* Limited for fire doors listed by UL for this use. NFPA requires an astragal on 3 hour applications. Vertical rod application will not work with astragal.

^ Thermal pins required, 2 pins per set, 1 per door.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

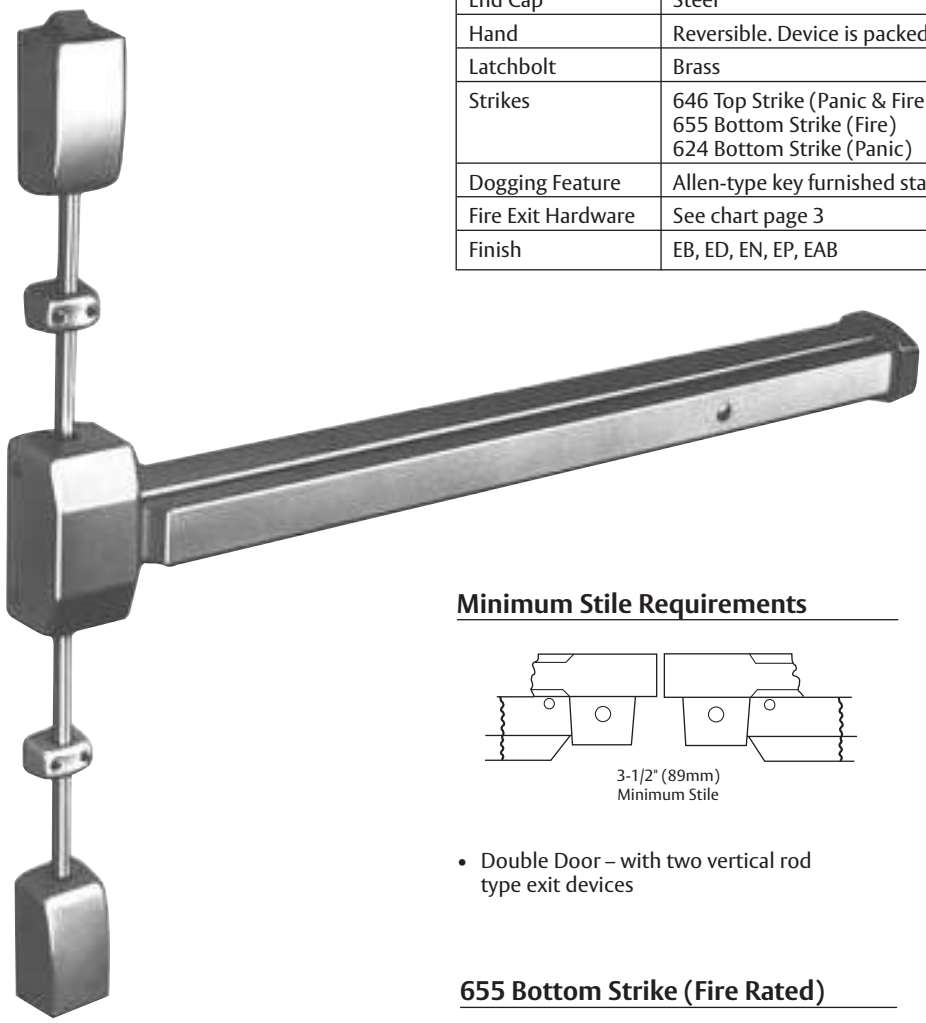
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2727
Vertical Rod Type Exit Device
20 Series Exit Device

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Specifications

For Doors	1-3/4" (44mm) thick standard. 3-3/4" (95mm) minimum stile width required for single door application. 3-1/2" (89mm) minimum stile width required for double door application. Standard AFF is 41".
Outside Trim	28 Series Lever & Rose Trims, GTB/HTB Pulls & Plates, OB Knob Trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with thru bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Reversible. Device is packed standard LHRB
Latchbolt	Brass
Strikes	646 Top Strike (Panic & Fire) 655 Bottom Strike (Fire) 624 Bottom Strike (Panic)
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart page 3
Finish	EB, ED, EN, EP, EAB



The 2727 Multi-function SVR Exit Device is the perfect stocking device.

- 6 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

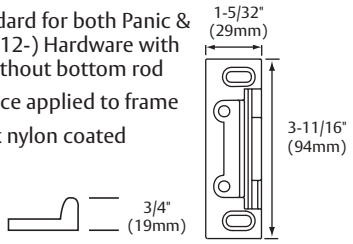
Order as an 2727 followed by rail size, opening, AFF and finish

Minimum Stile Requirements

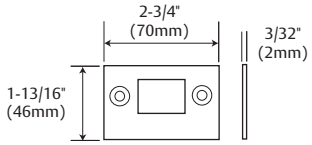
- Double Door – with two vertical rod type exit devices

646 Top Strike

- Standard for both Panic & Fire (12-) Hardware with or without bottom rod
- Surface applied to frame
- Black nylon coated

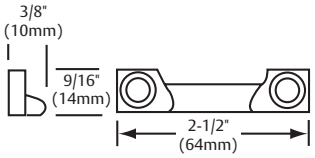


655 Bottom Strike (Fire Rated)



- Standard for 12-
- Stainless steel
- Black nylon coated

624 Bottom Strike (Panic)



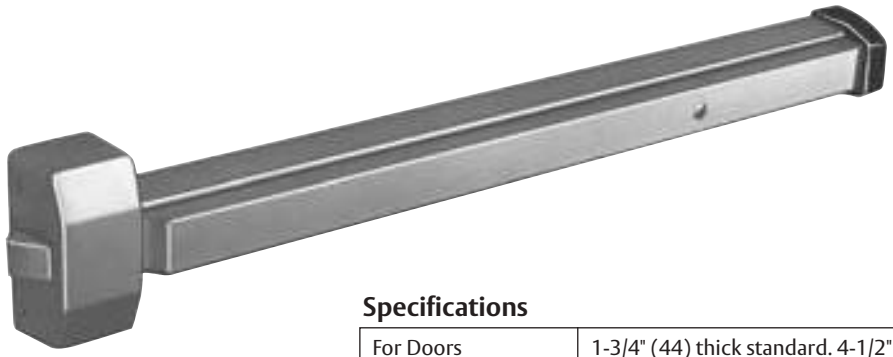
- Standard for 2727
- Applied to surface of floor or to a flat threshold
- Black nylon coated

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2828 Rim Type Exit Device

20 Series Exit Device

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The 2828 Multi-function Rim Exit Device is the perfect stocking device.

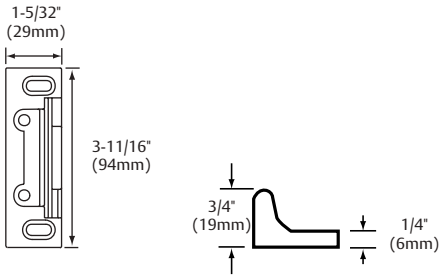
- 7 functions determined by trim selected
- Device & trim sold separately; easy to mix and match
- 4 available trim designs

Order as an 2828 followed by rail size and finish

Specifications

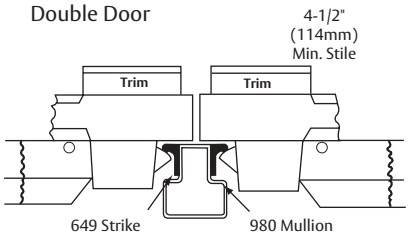
For Doors	1-3/4" (44) thick standard. 4-1/2" (114mm) minimum stile width required for single or double door application using standard 649 strike
Outside Trim Thumbpiece Trims	28 Series Lever & Rose Trims, GTB/HTB Pulls & Plates, OB Knob Trims & Thumbpiece Trims
Mounting	Furnished standard with wood and machine screws Available with through-bolts and mortise nuts
Cover	Steel
Chassis	Nonferrous alloy
Rail Assembly	Roll formed steel
End Cap	Steel
Hand	Non handed
Latchbolt	Stainless steel 3/4" (19mm) throw
Strike	649 packed standard
Dogging Feature	Allen-type key furnished standard (non fire rated devices only)
Fire Exit Hardware	See chart page 3
Finish	EB, ED, EN, EP, EAB

649 Strike



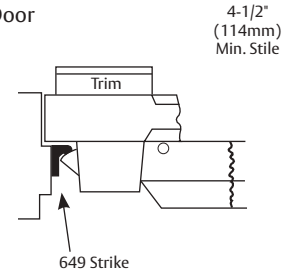
Minimum Stile Requirements

Double Door



Minimum Stile Requirements

Single Door



- Surface applied
- Standard & fire rated
- Strikes are black nylon coated

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20 Series Trims

20 Series Exit Device

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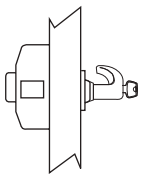
The trim function determines the function of the exit device. All 28 Series trims work with all 20 Series Exit Devices, except where noted.
Note: All trims and exit devices are ordered and packaged separately

28 Series Lever & Rose Trim for 2727/2828 Series Exit Devices

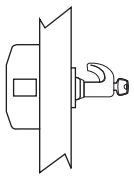


Lever & Rose Trim
- For 1-3/4" (44mm) doors only
- Functions available for 04, 06, 10, 13 and 15
- Not handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D & 26D
- Lever designs available: "L", "B", "P"

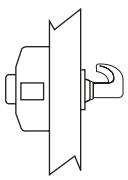
To order specify 28 followed by the function
Trim will not retrofit on devices purchased prior to 2000. Consult factory.
(K, N, D, C or L), the rose (L), the lever (L, B or P) and finish
Example: 28-K-LL x 26D



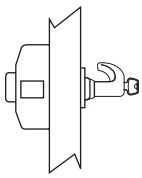
28-K-LL
Night Latch
Key in lever retracts latchbolt.
04 Function
For 3828 only
(ANSI 03)



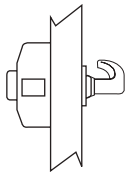
28-N-LL
Night Latch
Lever operates only when key is in cylinder and turned.
06 Function
(ANSI 09)



28-D-LL
Dummy
Lever rigid at all times & no outside function.
10 Function
(ANSI 02)



28-C-LL
Entrance
Key in lever locks or unlocks lever.
13 Function
(ANSI 08)



28-L-LL
Passage
Latchbolt operated by lever.
No Cylinder
15 Function
(ANSI 14)

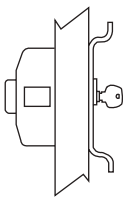
28 Series GTB/HTB Pulls & Plates for 2727/2828 Series Exit Devices



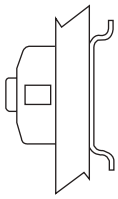
810-GTB 802-GTB 814-HTB

- For 1-3/4" (44mm) doors standard
- Through-bolted with 3 mortise nuts
- Pulls project 1-1/2" (38mm) from door face
- GTB Design Trim will cover a 161 cutout
- Trim ordered separately.
- Finishes: EN, EB, ED, EP & EAB
- For cylinder operation only with no trim, (Specify 2828 x 34 rim cylinder x finish)

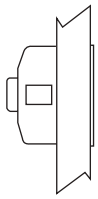
To order specify: trim design and finish
Example: 814-HTB x EN



814-HTB
Night Latch
Outside by pull and key. (2828 only)
04 Function
(ANSI 03)



810-GTB
Exit Only with Pull
Outside pull when push bar is locked down.
10 Function
(ANSI 02)



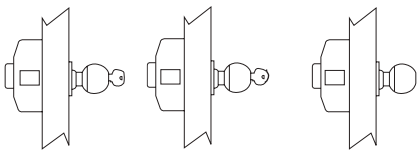
802-GTB
Exit Only
Blank plate to cover 161 cutout.
10 Function
(ANSI 01)

28 Series OB Knob Trim for 2727/2828 Series Exit Devices



- For 1-3/4" (44mm) doors only
- Functions available for 04, 13 and 15
- Non-handed
- Finishes: 03, 04, 10, 10B, 10BE, 20D & 26D

To order specify 28 followed by the function (K, C or L), the rose (O), the knob (B) and finish
Example: 28-K-OB x 26D



28-K-OB
Night Latch
Key in knob retracts latchbolt.
2828 only
04 Function
(ANSI 03)

28-C-OB
Entrance
Key in knob locks or unlocks knob.
13 Function
(ANSI 08)

28-L-OB
Passage
Latchbolts operated by knob.
No Cylinder
15 Function
(ANSI 14)

28 Series Thumbpiece Trim for 2727/2828 Series Exit Devices



- Finishes: EN, EB, ED, EP & EAB

***1 3/4" Door Only**

866-TP
Key locks or unlocks thumbpiece
(63)

814-TP
Key retracts latchbolt (2828 ONLY)
(04)

828-TP
Thumbpiece always operable
(28)

810-TP
Dummy trim
(10)

To order specify: trim design and finish
Example: 866-TP x EN

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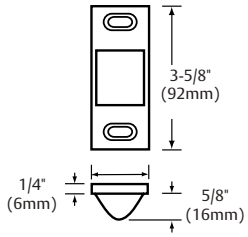
Alternate Strikes and Shim Kits

20 Series Exit Device

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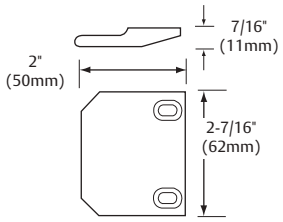
Alternate Strikes

613 Strike (Alternative for 2828)



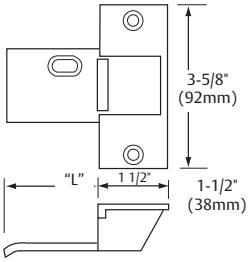
Half mortised. Nylon coating on face plate only. Minimum stile 4". When ordered separately, specify finish.

644 Strike (Alternative for 2828)



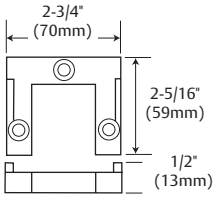
Surface applied. For use on pair of doors without mullion. Specify outside finish when ordered separately.

642 Strike (Alternative for 2828)



Full mortised dimension "L" equals door thickness plus 1/2" (13mm).

653 Bottom Strike (Alternate for 12-2727)



Available on order for 12-2727. For use with 1/2" (13mm) high threshold. Cut threshold to fit strike. Stainless steel. Furnished with expansion shields.

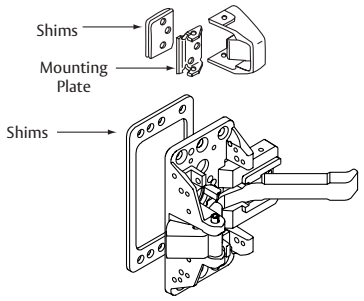
Glass Bead Shim Kits

558 for 2828 and 12-2828 Exit Devices

559 for 2727 and 12-2727 Exit Devices

Note: When ordering shim kits for exits with outside trim, spindle length, thumbpiece length and through bolt length must be increased accordingly.

(2 pieces 1/8" shim supplied. 1/4" total.)



Through Bolt (TB) Applications

Device	Door Thickness	*Ordering Number
2727	1-3/4" (44mm) 2-1/4" (57mm)	28-2031 28-2032
12-2727	1-3/4" (44mm) 2-1/4" (57mm)	28-2078 28-2088
2828 & 12-2828	1-3/4" (44mm) 2-1/4" (57mm)	28-2024 28-2025

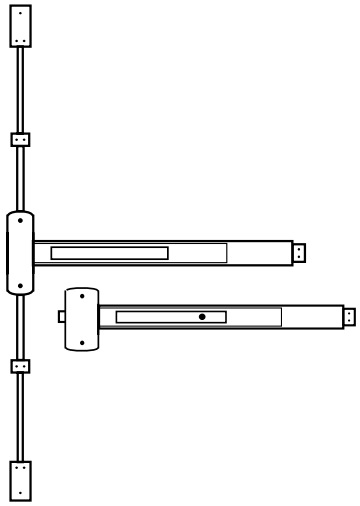
*Specify finish

Through bolts and mortise nuts are furnished in a pack along with the appropriate instruction sheet for device ordered.

To order through bolts and mortise nuts with an exit device, add suffix TB to trim pack.

Example: 2727 x TB x EN
Available finishes: EB, EN, ED, EAB

To order through bolt and mortise nut packs separately, see chart above.



Rod Replacement Kits

Product	Top Rod Kit ++	Bottom Rod Kit +++
2700+	672T	672B

+ Finish Information Required
++ Door Height & Rail Location Required
+++ Rail Location Required

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Mullions and Door Kits

20 Series Exit Device

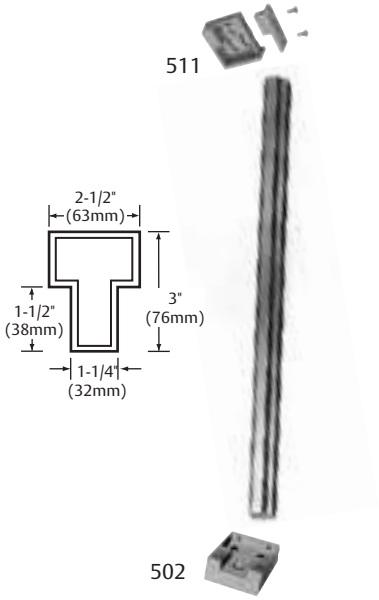
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980 Removable Mullion

980 Extruded Aluminum (prime coat)
980A Aluminum (US28)

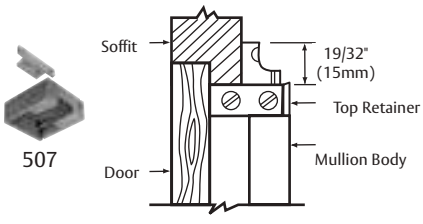
Consists of:

- Mullion
- 511 Top retainer
- 502 Bottom retainer
- 96" (2438mm) stock size; 120" (3000mm) available



507 Adapter for Narrow Transom Bars

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide



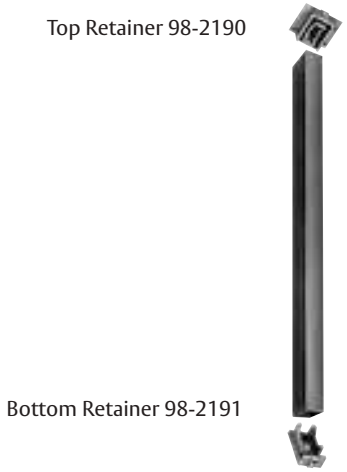
12-980 Mullion (96" maximum)

For 12-2828

2"x 3" Channel Iron. Malleable iron top and bottom retainers.

- 96" (2438mm) stock size; 120" (3000mm) available
- 120" Mullions do not carry UL Fire label

Top Retainer Shim Kit - 601



543 Stock Hollow Metal Door Kit

Kit consists of a 649 Strike Shim, a 161F Lock Front Filler, and a 86S Strike Filler for applying a 2828 Series Exit Device on doors prepared with Fed. Type 161 cutouts, and frames prepared for ANSI A115-2 Strikes.

The 649 strike shim is 1/8" (3mm) thick and is used to obtain the correct distance between the exit device case and the 649 surface applied strike, when the stop is 1/2" (13mm) high.

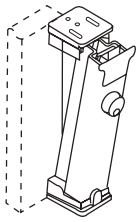


649
Strike Shim

161
Lock Front Filler

86S
Strike Filler

L980 Lockable Mullion



- Aluminum Prime Coat
- Specify: "L980A" Anodized Aluminum
  Specify: "L980A x10B" for 313AN to match 10B
- Used for non fire rated applications
- 96" (2438mm) stock size
- 120" (3000mm) available
- Standard #41 cylinder (1-1/8")
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Wall Mount Kit 98-2578
- Top Ret Pack 98-2526
- Bottom Ret Pack 98-2525
- Cylinder Kit must be ordered separate (980C1)

12-L980 Lockable Mullion

- Steel
- Fire rated for 8'0" x 8'0" (2438mm x 2438mm) paired openings
- 96" (2438mm) Stock Size
- 120" (3000mm) (non fire rated) available
- #41 cylinder standard
- Cylinder options: Signature, XC-, Schlage Keyways SC- & SE- available
- Top Retainer Shim Kit - 601
- Cylinder Kit must be ordered separate (980C1)

EL980 Electric Lockable Mullion

- Steel
- For use with monitor or electric strikes
- Quick-Connect wiring supplied
- 96" (2438mm) stock size
- 120" (3000mm) available
- Requires a #46 cylinder
- Top Retainer Shim Kit - 601
- Not available in 12- option
- Cylinder Kit must be ordered separate (980C2)

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 mullion

Retainer Packs

Product #	Description
98-2526	Top Ret. pack for L980
98-2525	Bottom Ret. pack for L980
98-2558	Top Ret. pack for 12-L980
98-2556	Bottom Ret. pack for 12-L980
98-2559	Top Ret. pack for EL980

Note: For complete listing of available mullions, see the 80 Series Catalog

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Mechanical and Cylinder Options

20 Series Exit Device

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Mechanical Options:

Note: Mechanical Options are available for Exit Devices only

Fire Rated	**12-**	UL Fire Label Exit hardware (not available with 16- & HK-)
Dogging Options	**16-**	Cylinder Dogging (non fire rated devices only)
	LD-	Less Dogging (non fire rated devices only)

Cylinder Options:

Note: Cylinder Options are available for 16- Exit Devices and 04, 06 & 13 function trims

	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	X	X	X	X
	DG1-21-	Degree Level 1 Construction Master Keying	X	X	X	X
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	X		X	X
	DG1-63-	Degree Level 1 Removable Core	X		X	X
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	X		X	X
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	X	X	X	X
	DG2-21-	Degree Level 2 Construction Master Keying	X	X	X	X
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	X		X	X
	DG2-63-	Degree Level 2 Removable Core	X		X	X
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	X		X	X
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	X	X	X	X
	DG3-21-	Degree Level 3 Construction Master Keying	X	X	X	X
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	X		X	X
	DG3-63-	Degree Level 3 Removable Core	X		X	X
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	X		X	X
Signature Key System	**10-**	SARGENT Signature Key System	X	X	X	X
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	X	X	X	X
	10-63	SARGENT Signature LFIC (Removable Core) Cylinder	X		X	X

Note: For cylinder options not shown, please contact factory for availability

Note: For V-10 cylinders and information, contact ASSA

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Cylinder Options

20 Series Exit Device

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	Code	Description	Lever Trim	Knob Trim	GTB-HTG-Thumbpc Trim	Rail - 16-Cyl Dogging
11- & 11-21- XC- Key System	**11-**	XC Key System (not available with other Key systems unless specified)	X	X	X	X
	11-21-	XC- Construction Key System (Lost Ball)	X	X	X	X
11-60 to 11-64 =XC- Large Format Interchangeable Core	**11-60**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided	X		X	X
	11-63	Hardware provided with XC- LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	11-64	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)	X		X	X
XC- Interchangeable Cores	**11-70-7P**	Lock to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided	X		X	X
	11-72-7P	Lock to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately	X		X	X
	11-73-7P	Lock supplied with XC- Small Format 7-Pin interchangeable core (includes masterkeying, grand masterkeying)	X		X	X
	11-65-73-7P	Lock provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose)	X		X	X
Large Format Interchangeable Core	**60**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores ordered separately)	X		X	X
	63	Hardware provided with LFIC (Removable Core) Cylinder - (includes masterkeying, grand masterkeying)	X		X	X
	64	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)	X		X	X
Interchangeable Cores	**70**	Lock to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided	X		X	X
	72	Lock to accept 6- or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)	X		X	X
	73	Lock supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	X		X	X
	65-73	Lock provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (packed loose for field keying)	X		X	X
	65-73-7P	Lock provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (packed loose for field keying)	X		X	X
	73-7P	Lock supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)	X		X	X
Keso & Keso F1	**80**	Lock to accept Keso and Keso F1 cylinders - no cylinders provided			X	X
	81	Cyl to accept Keso and Keso F1 - Removable cores - no core provided			X	X
	82	Lock provided with SARGENT Keso Security Cylinder			X	X
	F1-82	Lock provided with SARGENT Keso F1 Security Cylinder (Patented)			X	X
	83	SARGENT Keso Security Removable Core Cylinder (for existing systems only)			X	X
	84	SARGENT Keso Security Removable Construction Core Cylinder			X	X
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)	X	X	X	X
	22-	SARGENT Construction Split Key System for Conventional Cylinders (for existing systems only) (N/A with 10-, 11-, 63- or 73-)	X	X	X	X
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders only)	X	X	X	X
Less Cylinder	**LC-**	Less Cylinder	X	X	X	X
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted	X	X	X	X
	SE-	Schlage E keyway cylinder, 0 bitted	X	X	X	X
	SF-	L lever to accept Schlage large format interchangable core (supplied less core, tailpiece included)	X			

Note: For cylinder options not shown, please contact factory for availability

Note: For V-10 cylinders and information, contact ASSA

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Ordering Information, Rail Sizes and Finishes

20 Series Exit Device

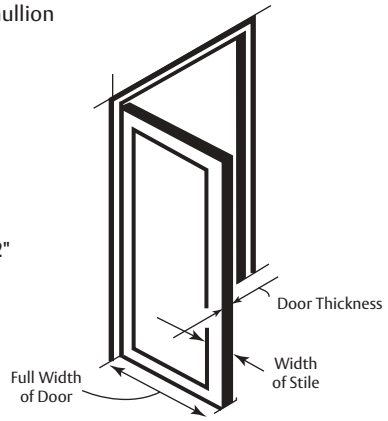
SARGENT
ASSA ABLOY

Check List for Ordering

Indicate the following door and frame information:

- Single doors, or pair of doors with mullion, or pair of doors without mullion
- Door and frame material
- Dimensions:
  - Door opening width
  - Stile width
  - Door thickness
  - Stop height

Example: Single Door x Hollow Metal Frame 36" x 5" x 2-1/4" x 1/2"



- If Vertical Rod Devices also indicate:
  - Mounting height
  - Door opening height
  - Threshold height
  - If no threshold is used, so state
  - Unless threshold information is indicated, exit device will be furnished for use without threshold
- Mullion Stock Size is 96" (2438mm); 120" (3000mm) available
- In ordering templates for hollow metal doors and/or frames, state job name on template order. Give template order number or template numbers on hardware order

Stock Rail Sizes Available

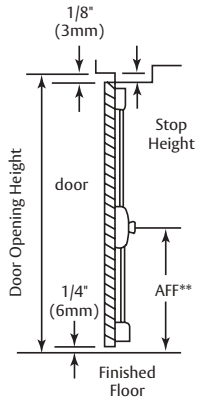
E	For doors	24' through 32"	61cm through 81cm
F	For doors	33" through 36"	82cm through 91cm
G	For doors	37' through 48"	94cm through 122cm

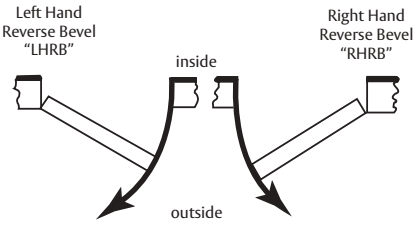
Finishes available with Lever & Rose Trim and OB Knob Trim

SARGENT Designation	ANSI/BHMA Designation	Finish Description
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze, equivalent
20D	624	Statuary bronze dark powder coated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

Finishes available with Exit Devices, GTB Trims & Thumbpiece Trim

SARGENT Designation ANSI/BHMA Designation	ANSI/BHMA Designation Finish Description	Finish Description SARGENT Designation
EB	690	Sprayed bronze enamel or polyester powder coated to match finish 10B
ED	693	Sprayed black enamel or polyester powder coated to match finish 20D
EN	689	Sprayed aluminum enamel or polyester powder coated
EP	691	Sprayed bronze enamel or polyester powder coated to match finish 10
EAB	696	Brass enamel or polyester powder coated to be used with brass finishes





Packaging

Product	Avg. WT	Case
Exit with trim	15 lbs.	1 ea
980 mullion	18 lbs.	1 ea
12-980 mullion	40 lbs.	1 ea

** AFF: Above Finish Floor or Threshold; Required information for 2727 Devices. Standard mounting height 41" (104mm) above finished floor to centerline of device or "38" (965mm) above finished floor to centerline of device for elementary schools.

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Architectural Specifications and How To Order

20 Series Exit Device

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How to order 2727/2828 Multi-function Exit Devices:

Specify the following for 2727 Devices:					
Options	**Series**	**Rail**	**Opening**	**AFF**	**Finish**
11	2727	F	84"	41"	EN

Specify the following for 2828 Devices:			
Options	**Series**	**Rail**	**Finish**
11-16-	2828	F	EN

- All trims and functions listed on this page, work with 2727 & 2828 Exit Devices, except where noted
- Available Options listed on page 9

How to order Trim for 2727 & 2828 Exit Devices (Exit Device Sold Separately)
Example:

11-	28-C-LL		26D	
Options	**Available Trim & Function Designation**		**Available Finishes**	
Available Options See Page 9	**Lever & Rose Trim**		**Lever & Rose Finishes**	
	28-K-LL (04 Function)	28-C-LL (13 Function)	03	04
	28-N-LL (06 Function)	28-L-LL (15 Function)	10	10B
	28-D-LL (10 Function)		10BE	20D
			26D	
	GTB/HTB Trims & Pulls		**GTB/HTB Finishes**	
	814-HTB (04 Function)		EN	EB
	802-GTB (10 Function) Exit Only		ED	EP
	810-GTB (10 Function) Pull		EAB	
	OB Knob Trim		**OB Knob Finish**	
	28-K-OB (04 Function)		03	04
	28-C-OB (13 Function)		10	10B
	28-L-OB (15 Function)		10BE	20D
			26D	
	Thumbpiece Trim		**Thumbpiece Finishes**	
	814-TP (04 Function)		EN	EB
	810-TP (10 Function)		ED	EP
	866-TP (63 Function)		EAB	
	828-TP (28 Function)			

Suggested Architect's Specifications

- All exit devices shall be of touch bar design and be operative over 2/3 of the door's clear opening width
- All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriter's Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware
- All springs shall be of stainless steel
- All exit devices shall be of chassis mounted unit construction with removable cover

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90127 01/20

Product Catalog

SARGENT
ASSA ABLOY

Auxiliary Locks









Experience a safer
and more open world

Table of Contents

Auxiliary Locks

SARGENT
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470 Series Grade 2 Deadbolts 7
Padlocks 8
Cabinet Locks 9
Cylinder Options 10-12

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
Microshield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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SSL1 Spring Latch

Auxiliary Locks

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SARGENT SSL1 Auxiliary Latch

- SARGENT SSL1 is a spring loaded latchbolt retracted by a thumb turn on one side with no operation on the other side.
- The SSL1 Auxiliary Latch is the perfect solution for applications such as the Security Panel on the Security SideLight from CECO DOOR and CURRIES. Other applications include the top portion of a dutch door, communicating doors and shallow closets.
- Only recommended for areas with alternate exits
- ADA compliant thumb turn
- UL-cUL 3-hour fire rating
- 11 hardware finishes available



Security SideLight Solution

- The SSL1 spring-loaded latch used in conjunction with CECO DOOR and CURRIES Security SideLight doors and frames provide a full solution
- The Security Panel allows a free flow of light and an attached door panel can cover the SideLight window pane to provide privacy and to offer protection in emergency situations



Security SideLight offered through CECO DOOR and CURRIES

Specifications

For Doors & Backset	2-3/4" (70mm) backset
Strike	2-3/4" (70mm) ANSI A115.2 curved lip strike # 800
Bolt	1/2" (13mm) throw
Hand	Non Handed
UL Listed	UL Listed for use on fire doors, See Underwriters Laboratories Building Materials List
Finishes	03, 04, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP
Door Prep	Single sided prep

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

How To Order

SSL1	26D
Product	Finish

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8200 Series Deadbolts

Auxiliary Locks

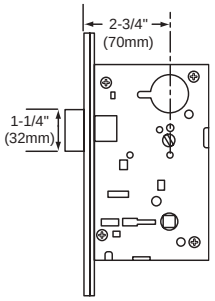
SARGENT
ASSA ABLOY

Specifications

For Doors	Door thickness 1-3/4" (44mm) standard (For thicker doors, consult factory)
Backset	2-3/4" only
Strike	4-7/8" (124mm), ANSI Standard A115.1. Available finishes 03, 04, 09, 10, 10BE, 10BL, 15, 20D, 32, 32D
Deadbolt	One piece hardened stainless steel deadbolt with 1" (25mm) throw
Cylinder	Brass, 6 pin. 2 keys per lock. Also available with the SARGENT Signature and Keso and Keso F1 security systems **NOTE: See 8200 Mortise Lock catalog for details on cylinder requirements.**
Masterkeying	Can be masterkeyed. Construction key systems available
Case	12 gauge heavy duty wrought steel, zinc dichromate plated
Outside Front Plate	Brass, bronze and stainless steel. 8" (203mm) x 1-1/4" (32mm), ANSI Standard A156.115. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
Hand	Non-handed
Mechanical Options	Cylinder Options see page 11-12 1- For 1-3/8" thick doors; front 1-1/16" wide 23- 4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip 31- 2-1/4"- 2-1/2" thick doors, centered in door prep, no paneling. Consult factory for other door thicknesses available by special application. 36- 6 Lobe Torx® Security Screws 37- Spanner head security screws 74- Lock case wrapped in lead (specify hand) SG- MicroShield® antimicrobial clear powder coat (only available with 32D) WBS- Wrought Box Strike
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, 32, 32D, BSP, WSP



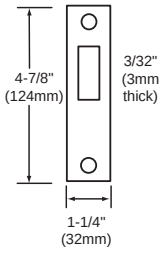
8200 Deadlock



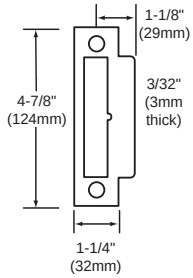
How To Order

10-28-	8230	26D
Options	Series x Function	Finish
Mechanical Options this page	8203	03, 04, 09, 10, 10B, 10BE, 10BL, 15, 20D, 26, 26D, 32, 32D, BSP, WSP
	8220	
Cylinder Options page 11-12	8221	
	8222	
	8223	

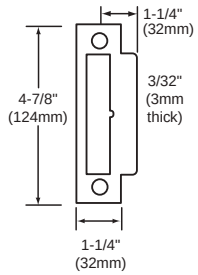
7730 Strike (Standard)



82-0229 Strike Flat Lip Alternative (23- Option)

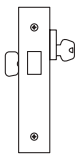


82-0109 Strike Curved Lip Alternative (Specify as 82-0109)



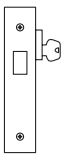
Functions

03 Classroom



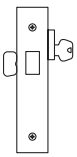
- Key outside operates deadbolt
- Thumb turn inside retracts deadbolt, but will not project it

20 Deadlock ***



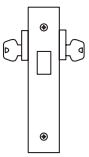
- Key outside operates deadbolt
- No inside operation
- **ANSI F18**

21 Deadlock



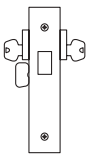
- Key outside operates deadbolt
- Thumb turn inside operates deadbolt
- **ANSI F17**

22 Deadlock ***



- Key from either side operates deadbolt
- **ANSI F16**

23 Classroom



- Key from either side operates deadbolt
- Thumb turn inside will retract deadbolt, but will not project it

***** For use only on rooms with more than one exit**

NOTE: For deadbolt function locks with levers see the 8200 Mortise Lock Catalog

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4870 Series Deadbolts

Auxiliary Locks

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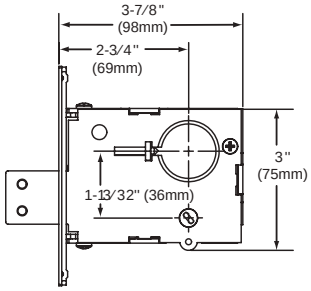
Specifications

For Doors	Door thickness 1-3/4" (44mm) standard (For thicker doors, consult factory)
Backset	2-3/4" (70mm) only
Strike	# 480 Strike Standard: 3-1/2" (89mm) x 1-1/8" (29mm); For Strike Box, specify WBS when ordering
Bolt	Laminated Stacked Steel Deadbolt with Hardened Pin and a 1" throw
Cylinder	Brass 6 pin. Two nickel silver keys per lock (Control key must be ordered separately, when required)
Cylinder Ring	97 Rosette (standard with #41 Cylinder), 1KB rosette optional (specify on order) **NOTE:** See 8200 Mortise Lock catalog for details on cylinder collar kit.
Case	Heavy wrought steel, .093 thick, protected with a zinc dichromate finish
Outside	Brass, bronze, stainless steel. 4-5/8" (117mm) x 1-1/8" (29mm) Front Plate Adjustable for flat or beveled doors (bevel adjustment 1/8" (3mm) in 2" (51mm)
Hand	Non handed, field reversible (except for 74-)
Thumb Turn	130W ADA Thumb turn (standard); optional larger thumb turn (specify LB-)
UL/cUL Listed	4870 series deadlocks, when used in conjunction with the primary latching device, are UL/cUL listed for use on fire doors having a rating up to and including 3 hours. In addition, the 4870 series are cUL listed for use on wood doors having a rating up to and including 90 minutes.
Mechanical Options	Cylinder Options see pages 11-12 28- 7710 Flat Lip Strike 4-7/8" (124mm) x 1-1/4" (32mm) ANSI A115-1 36- Torx® security screws 37- Spanner head security screws 74- Lock case wrapped in lead (specify hand) LB- Larger size ADA thumbturn SG- MicroShield® antimicrobial clear powder coat (only available with 32D) WBS- Wrought Box Strike
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32, 32D, BSP, WSP

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.



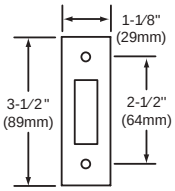
4870 Series Deadlock



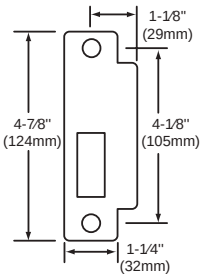
How To Order

10-28-	4874	26D
Options	Series x Function	Finish
Mechanical Options this page	4874	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32, 32D, BSP, WSP
	4875	
Cylinder Options page 11-12	4876	
	4877	
	4878	
	4879	

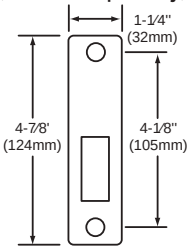
480 Strike
ANSI A115.5
(Standard)



7710 Strike (28- Option)

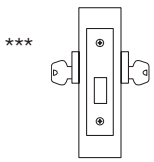


7730 Strike
(Ordered separately)



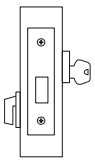
Functions

4874 Double Cylinder



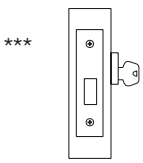
- Key from either side operates deadbolt
- **ANSI E06061**

4875 Single Cylinder x Turn Lever



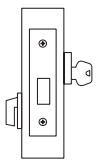
- Key outside operates deadbolt
- Thumb turn inside operates deadbolt
- **ANSI E06071**

4876 Single Cylinder



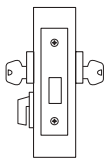
- Key outside operates deadbolt
- No inside operation
- **ANSI E06081**

4877 Classroom x Turn Lever



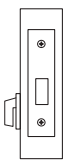
- Key outside operates deadbolt
- Thumb turn inside retracts deadbolt, but will not project it
- **ANSI E06091**

4878 Public Toilet



- Key from either side operates deadbolt
- Thumb turn inside retracts deadbolt, but will not project it

4879 Exit Lock



- Thumb turn inside operates deadbolt
- No outside operation

***** For use only on rooms with more than one exit**

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480 Series
Grade 1 Deadbolts

Auxiliary Locks

SARGENT
ASSA ABLOY

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) thick standard For doors over 1-3/4" (44mm) consult factory (2-1/4" Thick door max)
Door Prep	Fits 161 (standard) cut outs and Fits 160 with 2-3/8" (60mm) backset with 1" (25mm) front and for 1-3/8" (35mm) thick door
Backsets	2-3/4" (70mm) standard. 2-3/8" (60mm) optional (20- option)
Strike	Wrought brass, bronze or stainless steel
Bolt	Solid steel with hardened steel pin insert and nickel silver plating 7/8" (22mm) x 5/8" (16mm) x 1" (25mm) throw
Cylinder	Brass, 6 pin. 2 nickel silver keys
Masterkeying	Can be masterkeyed. Construction key system available
Front	Wrought brass, bronze or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) with fixed bevel 1/8" (3mm) in 2" (51mm) furnished standard
Hand	Non handed, field reversible
Turn Lever	Non-ferrous
Housing	Non-ferrous, reinforced, one piece 2-1/2" (64mm) diameter LFIC options: housing brass & zinc, two piece Concealed screws on double cylinder function
ANSI/BHMA	A156.36 Certified Grade 1 BHMA CERTIFIED
UL/cUL Listed	480 series deadbolts, when used in conjunction with the primary latching device, are UL/cUL listed for use with Classified steel covered composite or hollow metal doors rated up to and including 3 hours; wood and plastic covered composite doors rated up to and including 1-1/2 hours; and wood core doors rated for 20 minutes.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
Mechanical Options	Cylinder Options see page 11-12 16- 400 "T" shaped strike with strike box 20- 2-3/8" (60mm) backset. 2-3/4" (70mm) x 1" (25mm) wide front 28- 408 Flat lip strike ANSI A115.2 31- For 2-1/4" to 2-1/2" thick doors, centered in door prep, no paneling. 37- Spanner Head Screw 48- 488 Reinforced strike with 4 mounting screws and strike box
Finishes	03, 04, 09, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP

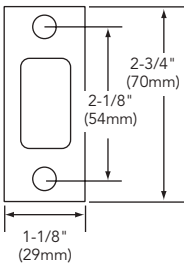
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

480 Series Deadbolt

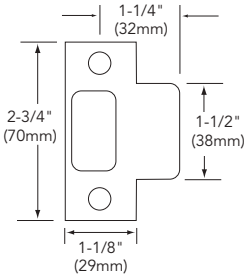
Inside Turn Lever



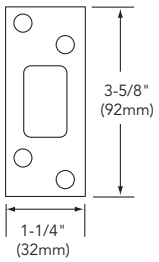
404 Strike
(Standard)



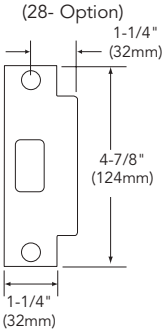
400 T-Shaped Strike
(16- Option)



488 Reinforced Strike
(48- Option)



408 Flat Lip Strike
(28- Option)



How To Order

10-28-	487	26D
Options	Series x Function	Finish
Mechanical Options this page	484	03, 04, 09, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP
	485	
Cylinder Options Page 11-12	486	
	487	
	489	

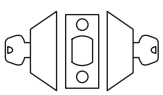
Packaging — 480 Series

Approximate Shipping Weights	
2 lbs. (.9 kg)/Box	12 Boxes/Case

Functions

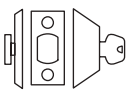
* **NOTE** - Use only on rooms with more than one exit

***484 Double Cylinder**



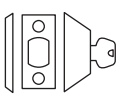
- Key from either side operates deadbolt
- **ANSI E0141**

485 Single Cylinder



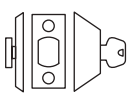
- Key outside operates deadbolt
- Thumb turn inside operates deadbolt
- **ANSI E0151**

***486 Single Cylinder**



- Key outside operates deadbolt
- Blank plate by exposed screws inside. Minimum 1" (25mm) required between doors
- **ANSI E0161**

487 Classroom



- Key outside operates deadbolt
- Thumb turn inside retracts deadbolt, but will not project the deadbolt
- **ANSI E0171**

489 Exit



- Thumb turn inside operates deadbolt
- Blank outside plate
- **ANSI E01111**

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470 Series
Grade 2 Deadbolts
Auxiliary Locks

SARGENT
ASSA ABLOY

Specifications

For Doors	1-3/4" (44mm) to 2-3/8" (61mm) door thickness [except 475 with 2-1/16" (53mm) maximum thickness.] (1-3/8" door optional as 1-Option)
Door Prep	1-1/2" dia. (38mm) hole standard for all functions 2-1/8" dia. (54mm) hole (161 door prep) for 474 and 475 only with adapter ring provided
Backsets	2-3/8" (61mm) or 2-3/4" (70mm) adjustable backset
Strike	406 Strike standard 407 1/4" Radius Strike (Specify option 13-) 408 Flat Lip Strike 4-7/8" x 1-1/4" (Specify option 28-)
Bolt	Brass with hardened steel pin 5/8" (16mm) x 13/16" (21mm) x 1' (25mm) throw
Cylinder	Brass, 6 pin cylinder 2 keys provided
Masterkeying	Can be masterkeyed. Construction key system available
ANSI/BHMA	Designed to meet A156.36 Grade 2
Front	Stamped brass 2-1/4" (57mm) x 1" (25mm) wide with filler for 1-1/8" (29mm) wide
UL/cUL Listed	470 series deadbolts, when used in conjunction with the primary latching device, are UL/cUL listed for use on doors rated up to 20 minutes.
Hand	Universal – non handed
Mechanical Options	Cylinder Options see page 11-12 1- 1-3/8" (35mm) thick door adapter 13- Front & strike with 1/4" (6mm) radius corners 15- Drive-in adjustable backset bolt x 26D only (Not Grade 2) 28- 408 Flat lip strike, 4-7/8" (124mm) x 1-1/4" (32mm). ANSI A115.2
Finishes	03, 04, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

How To Order

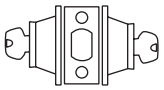
10-20-	475	26D
Options	Series x Function	Finish
Mechanical Options this page	474	03, 04, 10, 10B, 10BE, 14, 15, 26, 26D, BSP, WSP
	475	
Cylinder Options page 11-12	479	

Packaging — 470 Series

Approximate Shipping Weights	
2 lbs./Box	12 Boxes/Case

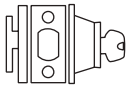
Functions

474 Double Cylinder



- Key from either side operates deadbolt
- * Use only on rooms with more than one exit

475 Single Cylinder x Thumbturn



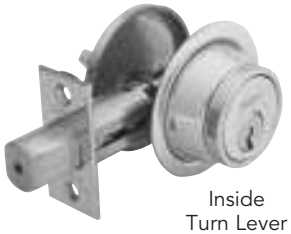
- Key outside operates deadbolt
- Thumb turn inside operates deadbolt

479 Thumbturn Inside Only

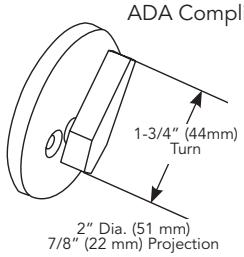


- Thumb turn inside operates deadbolt
- Inside mounting only

470 Series Deadbolt

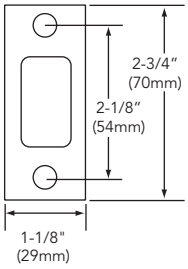


Inside
Turn Lever
ADA Compliant

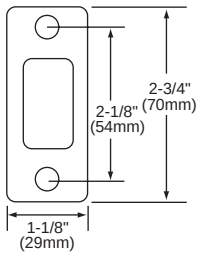


Strikes

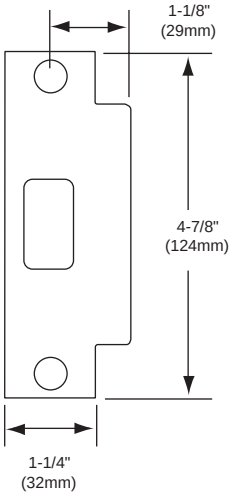
406 Strike
Standard



407 Radius Strike
13– Option
Includes Radius Front



408 Flat Lip Strike
28– Option



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Padlocks

Auxiliary Locks

SARGENT
ASSA ABLOY

758 & 858 Padlock Features

- Cylinder easily removed while in the unlocked position for rekeying
- Available in the following single key sections
  S, R, U, CR and the following keyway families
  L, R, H, C, A, B, K, N, V
- Easily keyed into SARGENT master keyed systems
- 6 pin cylinder standard
- Shackle locked by dual ball bearings for extra security



Specifications: 758 & 858 Padlocks
Body-Solid Brass for exterior applications

Cylinder	Utilizes standard 10 Line cylinder with shorter padlock tail piece, keyed different as standard (cylinder catalog part no. C750-1)
758	Key retaining. Key removable in locked position only
858	Non key retaining. Key can be removed while unlocked and relocked without key
Case	Satin brass. Solid one piece construction 2" x 2-1/4"
Keys	Two keys provided as standard
Shackle Heights	1" Standard, for 2" (specify 758-2 & 858-2), and 4" (specify 758-4 & 858-4) all 11/32" diameter
Shackle Material	Stainless steel shackle standard for 758 and 858 Hardened steel - optional (specify 758HS or 858HS)
Weather Protection Standard	Shackle protected with rubber shields to prevent freezing in the winter
Chain (optional)	Chain 9" long (specify 758C or 858C)

758 & 858 Padlocks options see page 12

How To Order

SC-	758	2	HS	C
Options	Padlocks	Shackle Height	Shackle Material	Chain
Cylinder options see page 11-12	758	1" - Std	Hardened Steel - HS	C
	858	2" - 2		
		4" - 4		

Keso F1 & Keso 856 & 857 Padlocks

- Available with Keso F1- and Keso; specify F1-82- for Keso F1- specify 82 for std Keso
- Same cylinder security as offered in other Keso Security System locks. Can be masterkeyed with all locks in the system
- Positive deadlocking construction — no springs which can be forced
- Two stainless steel balls lock shackle. Forcing of shackle increases locking action



82-856 Shown

Specifications: F1-82-856 and F1-82-857

856	Non key retaining. Key can be removed while unlocked and relocked without key
857	Key Retaining. Key removable in locked position only
Case	Brass
Case Finishes	Satin brass standard
Case Dimensions	2" x 2" x 1-1/8"
Shackle	Stainless Steel standard Hardened steel, Nickel Plated - optional (specify 856HS or 857HS)
Shackle Diameter	11/32"
Shackle Clearance	1" Standard, for 2-1/2" (specify 856-2 & 857-2), and 4" (specify 856-4 & 857-4)
Weather Protection Standard	Shackle protected with rubber shields to prevent freezing in the winter
Chain (optional)	Chain 9" long (specify 856C or 857C)

How To Order

F1-82-	856	-2	HS	C
Options	Padlocks	Shackle Height	Shackle Material	Chain
F1-82-	856	1" - Std	Hardened Steel - HS	C
82-	857	2-1/2" - 2		
		4" - 4		

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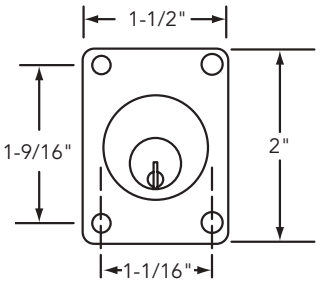
Cabinet Locks

Auxiliary Locks

SARGENT
ASSA ABLOY

Specifications: 1655 Series

For Doors	One size for doors 1-1/2" thick and when used with 4 supplied 1/8" spacers can be used on thinner doors down to 1 inch thick
For Stiles	1-1/2" wide minimum
Strike	Universal
Bolt	Steel, 15/16" projection
Cylinder	Brass, 6 pin standard, (cylinder catalog part no. C 1655-1) with different tail piece (part no. 13-1813)
Keying options	2 change keys per lock provided, 5 pin available 10- SARGENT Signature Key System 11- SARGENT XC Key System 21- SARGENT Construction key system (Lost Key) 22- SARGENT Construction key (Split Key)
Case	Non ferrous alloy
Hand	Easily field reversible
Finishes	04, 26D
Applications	Lockers or mailboxes



1655MKD - Can be masterkeyed (MKD) and grand masterkeyed in most SARGENT 6 pin systems. Consult factory for details. Cylinder easily removed for rekeying.



Shown with spacers for use on thinner doors



Shown without spacers



C 1655-1 cylinder

How To Order

Specify	Note	Example
Option	21-	21-
Product	1655	21-1655
Finish	26D	21-1655 x 26D
Keying	AA45	21-1655 x 26D AA45

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Cabinet Locks

Auxiliary Locks

SARGENT
ASSA ABLOY

Specifications: 4142-4143 Cabinet Lock

For Metal Doors	Up to 7/8" thick
Cylinder	Brass, 6 pin, can be master keyed with most other SARGENT locks
Cam	Bronze, 4142 horizontal in locked position (attached with 2 screws)
Keys	Two 6 pin provided
Cylinder Options	21- SARGENT Construction key system (Lost Key) 22- SARGENT Construction key (Split Key)
Hand	4142 supplied right hand as standard, easily field reversible
Easily field reversible	4142 Horizontal in Locked Position (Cam Rotated) 4143 Vertical in locked position
Finishes	03, 04, 10, 10B, 10BE, 32, 32D, BSP, WSP

Specifications: KESO 4152 Cabinet Lock for Drawers

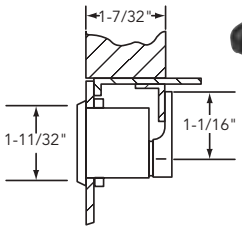
For Drawers	Up to 3/4" thick
Cam	Flat Steel Cam (order as 4152) 1/4" Offset Steel Cam (order as 4152-2)
Cylinder	Keso security system only. Can be masterkeyed with all other Keso locks in the system
Mounting Plate	Furnished with screws for mounting to wood or metal drawers Can be brazed to metal doors
Field Reversible	Right or left hand
Finishes	03, 04, 10, 26, 26D

How To Order

- Example: 4152 x 26D

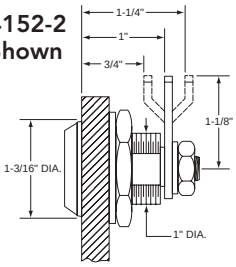
4142
Right Hand Shown





4152-2
Shown





How To Order

- Example: 4142 x 32D

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Cylinder Options by Product Line

Auxiliary Locks

SARGENT ASSA ABLOY

Cylinder Type	Option	Description	8200 & 4870 Dead Bolt	480 Dead Bolt	470 Dead Bolt	758 & 858 Padlocks	856 & 857 Padlocks	1655 Locker Lock	4141-4143 Utility & Cabinet Locks	4152 Utility Locks
Conventional Cylinder	Std	SARGENT Conventional Cylinders	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
Degree Key System	DG1-	SARGENT Degree Key System Level 1	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG1-21-	Degree Level 1 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-63-	Degree Level 1 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-	SARGENT Degree Key System Level 2	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG2-21-	Degree Level 2 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG2-60-	Degree Level 2 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-63-	Degree Level 2 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-	SARGENT Degree Key System Level 3	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG3-21-	Degree Level 3 Construction Master Keying	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	DG3-60-	Degree Level 3 Removable Disposable Construction Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-63-	Degree Level 3 Removable Core	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
	10-21-	SARGENT Signature Construction Key System (Lost Ball)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
XC- Key System	11-	XC Key System (Not Available with other Key Systems, Unless specified)	Yes	Yes	Yes	Yes	N/A	Yes	N/A	N/A
	11-21-	XC- Construction Key System (Lost Ball)	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
XC- Large Format Interchangeable Core + (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
XC- Small Format Interchangeable Cores+	11-70-7P-	Hardware to accept XC- SFIC (7 pin) XC- Permanent Cores, plastic disposable core provided	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-72-7P-	Hardware to accept XC- SFIC (7 pin Keyed Construction Core provided) cylinder, Permanent core ordered separately	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-73-7P-	Hardware supplied with XC- Small Format 7 pin interchangeable core (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	11-65-73-7P-	Hardware to accept XC- Uncombinated 7 pin SFIC (Permanent) Core - (Packed Loose)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)	Yes	Yes	Yes	Yes	N/A	Yes	Yes	N/A
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing systems only)	Yes	N/A	N/A	Yes	N/A	N/A	N/A	N/A
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)	Yes	N/A	N/A	Yes	N/A	N/A	N/A	N/A

NOTE: For V-10 Cylinder and information, contact ASSA
NOTE: When tying into existing key systems contact Key Records for compatibility
+ For use in SARGENT hardware ordered to accept XC- option

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Cylinder Options by Product Line

Auxiliary Locks

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Cylinder Type	Option	Description	8200 & 4870 Deadbolt	480 Dead Bolt	470 Dead Bolt	758 & 858 Padlocks	856 & 857 Padlocks	1655 Cabinet Lock	4141-4143 Cabinet Locks	4152, 4153, 4253 Locks
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	63-	6 pin LFIC permanent core provided	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
	64-	Hardware supplied with Keyed LFIC construction core to accept Permanent LFIC Core (ordered Separately)	Yes	Yes	N/A	Yes	N/A	N/A	N/A	N/A
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7 Pin SFIC Permanent Cores (ordered separately), plastic disposable core provided	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	72-	Hardware to accept 6 or 7 Pin SFIC supplied with Keyed Construction Core. (Permanent Core Ordered separately)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	65-73-	Hardware provided to accept Uncombinated 6 pin SFIC (Permanent) Core - (Packed Loose for field keying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	65-73-7P-	Hardware provided to accept Uncombinated 7 pin SFIC (Permanent) Core - (Packed Loose for field keying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying)	Yes	Yes	N/A	N/A	N/A	N/A	N/A	N/A
Keso F1 & Keso	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores Ordered Separately)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	Std.
	82-	Hardware provided with standard Keso Security Cylinder	Yes	N/A	N/A	N/A	Std	N/A	N/A	N/A
	F1-82-	Hardware provided with standard Keso F1 Security Cylinder (Patented)	Yes	N/A	N/A	N/A	Specify F1-	N/A	N/A	Specify F1-
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Patented)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent Removable Cores ordered separately)	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
Less Cylinder	LC-	Less Cylinder	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	SE-	Schlage E keyway cylinder, 0 bitted	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A

NOTE: For V-10 Cylinder and information, contact ASSA
NOTE: When tying into existing key systems contact Key Records for compatibility
+ For use in SARGENT hardware ordered to accept XC- option

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Finishes

Auxiliary Locks

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Finishes

Standard Levers and Knobs	Description
03	Polished brass, clear coated
04	Satin brass, clear coated
09	Polished bronze, clear coated
10	Satin bronze, clear coated
10B	Oxidized bronze, oil rubbed
10BE	oxidized satin bronze, equivalent
10BL	Oxidized satin, bronze, clear coated
14	Polished nickel, clear coated
15	Satin nickel, clear coated
20D	Statuary dark bronze, clear coated
26	Polished chrome
26D	Satin chrome
32	Polished stainless steel
32D	Satin stainless steel
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
ASSA ABLOY

Healthcare Hardware



Experience a safer
and more open world

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Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

agion Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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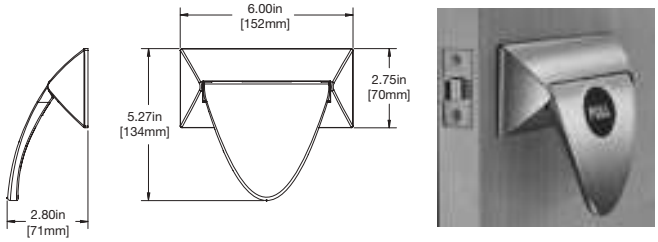
HP Series Bored Lock with Push/Pull ALP Trim

Healthcare Hardware

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HP Bored Lock with Push/Pull Trim

The HP Series Bored Lock with ALP push/pull trim provides an aesthetically- pleasing alternative to standard push/pull products. Ease of operation allows its use in many environments, including healthcare and education. The paddle shape and location create a comfortable target for door activation without using hands.



Features

- Paddle trim can be mounted in horizontal (up or down) or vertical (sideways) orientations in the field
- Easy installation
- 15 function trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Available in 2-3/4", 5" or 7" backsets
- UL Fire Rating standard
- Torx® and spanner screws optional with ALP
- Lead lining is optional: specify 74- option
- Covers and paddles are cast stainless steel
- Finish: 32D
- Patent pending and/or patent www.assaabloydss.com/patents

How To Order

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	HP Series Bored Locks	U15 - Passage U65 - Privacy	Push/Pull Trim	32D	RHR LHR RH LH

Always specify hand of lock
- 15 function is Non-Handed
- 5" Backset standard with square corner front, 2-1/4" x 1-1/8"

Series and Function	Descriptions
HPU15 Passage Set	- Both paddles retract latch - Ideal for patient rooms and closets
HPU65 Privacy Set 	- I/S paddle always retracts latch - O/S paddle retracts latch, except when locked by inside push button - Closing door unlocks outside paddle - Includes emergency release - Ideal for bathrooms - Vertical orientation required

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	5" (127mm) standard. For 2-3/4" (70mm) backset (specify as 24-HP) and 7" (177mm) backset (specify as 26-HP) available on order		
Strike	2-3/4" (70mm) ANSI A115.2 curved lip strike # 800		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
Escutcheons	Cast stainless steel		
UL Listed	UL Listed for use on fire doors (4x10 opening)		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strikes	14-	505 Full Lip Strike
		28-	4-7/8" (124mm) ANSI curved lip strike # 808
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (non-handed)
Finishes	32D For other finishes consult factory		
Finish Protection	CPC-		Clear Powder Coat
Door Prep	ANSI A115.1 modified per SARGENT standard bored template 4695		

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114/115 Series Push/Pull Trim

Healthcare Hardware

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Designed for convenience and utility, the 114/115 hospital latches open with a gentle pull or slight push, making them ideal for hands free operation. Both the 114 push-pull and 115 push-pull latch with its low profile helps eliminate any obstruction while passing through an opening. Slim tapered paddles and smartly styled escutcheons possess all the elements of tasteful, yet functional design. The chassis design makes this hospital latch constructed for both durability and ease of install.

Specifications

For Doors	1-3/4" (44mm) to 2-1/4" (57mm)		
Backset	5" (127mm) standard. For 2-3/4" (70mm) backset (specify as 24-115) and 7" (177mm) backset (specify as 26-115) available on order		
Strike	2-3/4" (70mm) ANSI A115.2 curved lip strike # 800		
Bolt	Brass, 1/2" (13mm) throw		
Hand	Specify hand (RHR, RH, LHR or LH)		
114	Push/Pull Paddles - **both mounted down position only**. Cast; Projection from door 3-1/4" (83mm)		
115	Push Paddle - **mounted up position only.** Cast; 1-5/8" (41mm) x 4-1/2" (114mm); Projection from door 2-1/2" (64mm)		
115	Pull Paddle - **mounted down position only.** Cast; 1-5/8" x 4-3/4"; Projection from door 2-15/16"		
Escutcheons	Cold drawn; 2-1/2" (64mm) x 6-7/8" (175mm)		
UL Listed	UL Listed for use on fire doors. See Underwriters Laboratories Building Materials List		
Options	Backsets	24-	2-3/4" (70mm) backset
		26-	7" (177mm) backset
	Strike	28-	4-7/8" (124mm) ANSI curved lip strike # 808
		WBS-	Wrought Box Strike
	Security Screws	36-	6-Lobe Security Head Screws
		37-	Spanner Security Head Screws
	Lead Lining	74-	Lead lined. Specify Push or Pull side
	Antimicrobial Coating	SG-	MicroShield® – Antimicrobial clear powder coat (only available with 15 and 26D finishes)
	Push/Pull Marking	P-	P- Push/Pull to be stamped on each escutcheon
	Through Bolts	TB-	Through-bolt pack, specify door thickness: 1-3/4", 2" & 2-1/4"
Finishes	03, 04, 09, 10, 10B, 10BE, 15, 26, 26D For other finishes consult factory		

114 Push-Pull



114 push and pull paddles are mounted in the down position as shown and are available with "PUSH" and "PULL" stamped into the top of the escutcheon.

115 Push-Pull



115 push are mounted in the up position only and pull paddles are mounted in the down position only. Paddles are available with "PUSH" and "PULL" stamped into the top of the escutcheon as shown.

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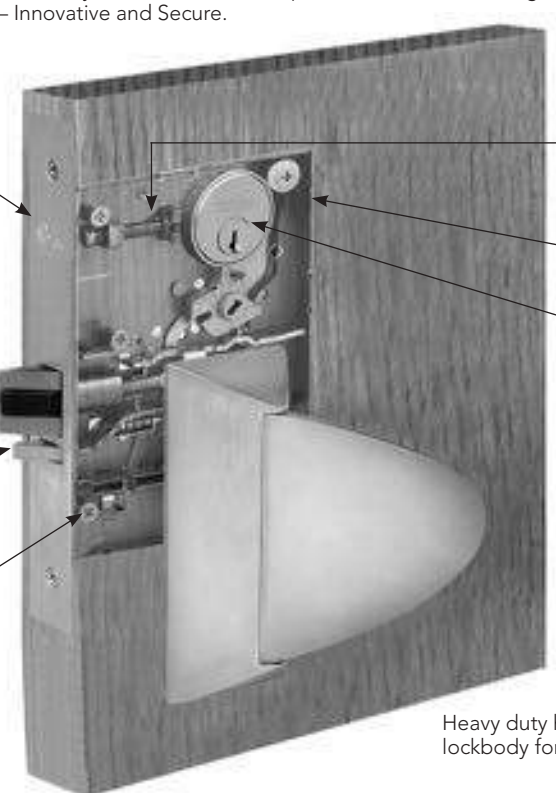
8200/7800 Series Mortise Lock Features

Healthcare Hardware

SARGENT
ASSA ABLOY

The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: Strong - Durable - Flexible – Innovative and Secure.

8237 with ALP trim shown



Outside front plate: 1/16" (1.6mm) brass, bronze or stainless steel. Adjustable for door bevels from flat to 1/8" (3mm) in 2" (51mm)

3/4" (19mm) projection stainless steel one-piece latchbolt, reversible without opening case. Anti-friction piece is securely staked in place for quiet operation and prevents scratching of strike plate

Non-handed stainless steel auxiliary deadlatch

Inside front: 1/8" (3mm) cold rolled steel holds lock securely in door

Patent pending and/or patent www.assaabloydss.com/patents

Cylinder retainer-two prong grip meets Security Grade 1

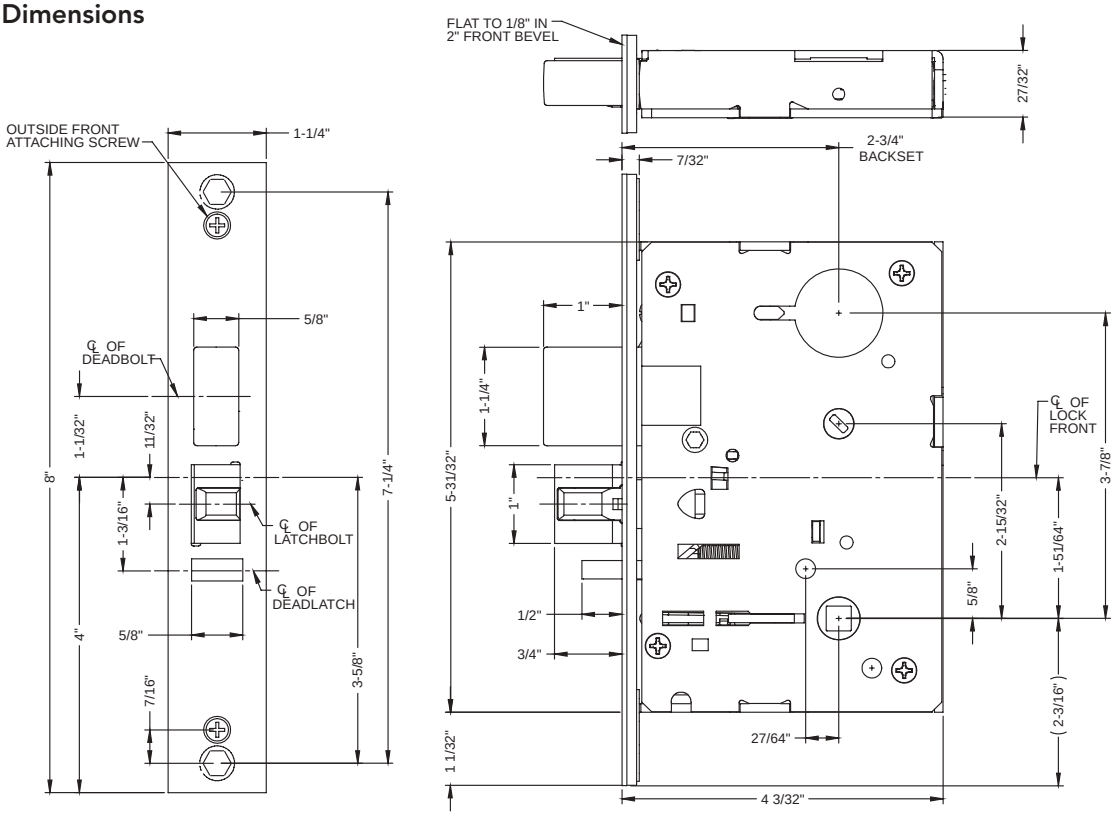
Extra strong 7/64" (3mm) steel case for improved impact resistance

6-pin solid brass cylinder standard; multiple keying systems available

Heavy gauge corrosion resistant parts through out provide security, reliability, durability and longevity

Heavy duty hubs and spring cartridge with in the lockbody for superior strength and cycle life

8200 & 7800 Series Lockbody Dimensions



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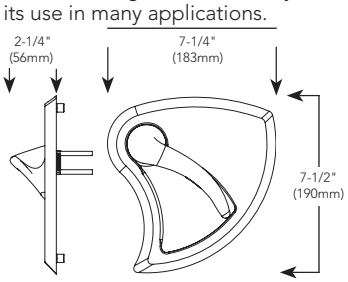
8200 Series with BHW* Trim

Healthcare Hardware

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8200 Series with BHW Trim

Part of the Behavioral Health Series® of products, the 8200 Series mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 Series mortise lock allows its use in many applications.





How To Order

SG-11-	82	37	BHW	32D	RHR
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See pages 13-20	Lever & Escutcheon	32D	RHR
					LHR
Cylinder Options page 23					RH
					LH

Features

- ANSI/BHMA Grade 1
- Available in 40 functions
- Uses standard mortise prep
- Easy installation
- Tapered surfaces on all components
- ADA Compliant
- Available with MicroShield®, an antimicrobial coating
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Matching thumbturn available
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Handed
- Trim only kits:
  694-1 Trim only, non-keyed functions (BHW Trim only)
  694-2 Trim only, single cylinder functions (BHW Trim only)
  694-3 Trim only, double cylinder (BHW Trim only)
- Patent pending and/or patent www.assaabloydss.com/patents

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3⁄4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1⁄4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1⁄8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3⁄4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	8-1/2" (216mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A4711		

Packaging

8205 x BHW	approx. 6.1 lbs. (2.7kg)/box

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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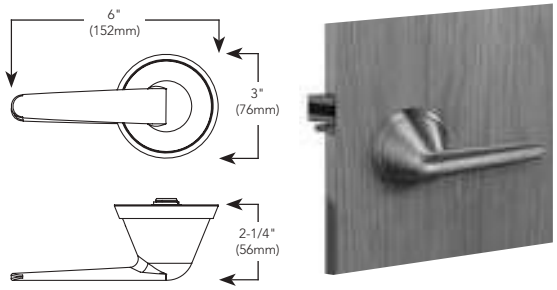
8200 Series with BHL* Trim

Healthcare Hardware

SARGENT
ASSA ABLOY

8200 with BHL Trim

The SARGENT BHL trim is part of the Behavioral Health Series® of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 Series mortise lock provides impressive strength and reliability.



How To Order

SG-11-	82	37	BHL	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See pages 13-20	BHL	32D	RHR
					LHR
Cylinder Options page 23					RH
					LH

Features

- Available in 41 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Inside and outside levers rotate freely up and down to 45° when locked
- Sloped surfaces
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- 6 Lobe head security screws (Torx® type) are standard with BHL Trim
- Non-handed
- Finish: 32D
- Available with MicroShield®, an antimicrobial coating

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	37-	Spanner head security screws (available with front plate and strike only)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D only)
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A7057		

Packaging

8205 x BHL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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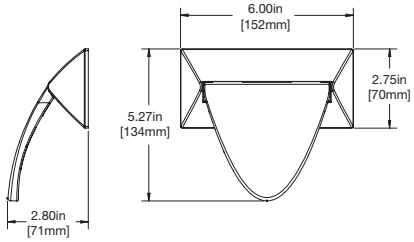
8200 Series with Push/Pull Trim (ALP)

Healthcare Hardware

SARGENT
ASSA ABLOY

8200 Series with Push/Pull Trim (ALP)

The Series 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 Series mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.





How To Order

SG-11-	82	37	ALP	32D	LHR
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	8200 Series Mortise Locks	See pages 13-20	Lever	32D	RHR
					LHR
Cylinder Options page 23					RH
					LH

NOTE: ALP trim requires a special 8200 mortise lock body, which is shipped automatically when ALP is specified. When ordering a lock body only for use with ALP trim, please refer to your SARGENT Price Book for the correct ordering number.

Features

- Paddle trim can be mounted in horizontal (up or down) and vertical (sideways) orientations in the field
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D
- Patent pending and/or patent www.assaabloydss.com/patents

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) consult factory		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Indicators	49-	Visual Status Indicator or Occupancy Indicator w/Emergency Release
		50-	Secured Indicator
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (only available with 32D finish)
	Markers	P-	Push/Pull Paddle Identification (Non-handed)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A7057		

Packaging

8205 x ALP	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

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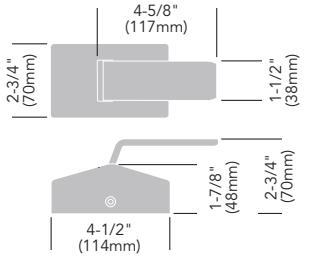
7800 Series with Push/Pull Trim (PT)

Healthcare Hardware

SARGENT
ASSA ABLOY

7800 Series with Push/Pull Trim (PT)

The Push/Pull design known for its ease of operation is coupled with the strength and integrity of a mortise lock to provide greater versatility. The trim, commonly used in hospitals and health care facilities, can now service conference rooms, handicapped restrooms, laboratories and pharmaceutical facilities that require more durability and security features than a cylindrical lock can provide.



- Spindle centered in escutcheon



7837 PT
Horizontal Mount Shown

How To Order

SG-11-	78	37	PT	32D	LH
Option	Series	Function	Trim	Finish	Hand
Mechanical Options this page	7800 Series Mortise Locks	See pages 13-20	Push/Pull Trim	03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32 or 32D	RHR
					LHR
Cylinder Options page 23					RH
					LH

NOTE: The PT trim is always supplied with an 7800PT mortise lockbody, all mortise lockbodies are labeled for ease of identification. When ordering lockbody only for PT trim, always specify 7800PT lockbody.

Features

- Paddle trim orientation can be mounted in vertical (up or down) and horizontal positions as a standard product, no need for specifying mount positions on order
- Down or horizontal paddle orientation is required for cylinder side of door
- Horizontal paddle orientation is required if thumb turn or a emergency release is used
- Patent pending and/or patent www.assaabloydss.com/patent
- Easy installation
- Handing is easily field reversible
- Through-bolted trim for stability
- 6 Lobe security type screws (Torx®) standard for PT trim
- Engraving on paddle – consult factory
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are heavy wrought stainless steel, brass or bronze
- Paddles are cast stainless steel, brass or bronze
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 32, 32D

Specifications

For Doors	Door thickness 1-3/4" (44mm) to 2" (51mm) standard with adaptable spindle. For thicker doors, consult factory.		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm) 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Specify hand on order; easily field reversible		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Security Screws	37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required)		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	5" (127mm) minimum stile for 7800 Push/Pull Trim		
Door Prep	ANSI A115.1 modified per template (see template 4512 only)		

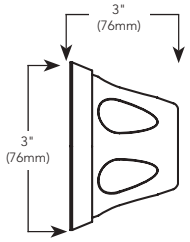
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7800 Series with BHD* Trim

Healthcare Hardware

SARGENT
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7800 Series with BHD Trim





How To Order

SG-67	78	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	7800 Series Mortise Locks	See pages 13-20	Knob	32D
Cylinder Options page 23				

Features

- Available in 43 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (for thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A7057		

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Packaging

7837 x BHD	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

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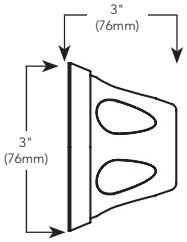
9200 Series with BHD* Trim for High Security

Healthcare Hardware

SARGENT
ASSA ABLOY

9200 Series with BHD Trim for High Security

The 9200 Series with BHD Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact. It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.





How To Order

SG-67	92	37	BHD	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	9200 Series Mortise Locks	See pages 13-20	Knob	32D

Features

- Available in 28 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Sloped surfaces on all components
- Overlapping knob and rose construction
- Finish: 32D
- Available with MicroShield® option, antimicrobial coating option

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Non-handed		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Lever/Knob Combination	67-	Lock furnished w/ knob both sides (Not available with AV-Option)
		68-	Lock furnished w/ lever handle outside x knob inside (Not available with AV- Option)
		69-	Lock furnished w/ lever handle inside x knob outside (Not available with AV-Option)
	Thick Doors	31-	For Doors Thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Security Screws	36-	6 Lobe head security screws (Torx® type)
		37-	Spanner head security screws
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available in 32D only)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A7057		

Packaging

9237 x BHD	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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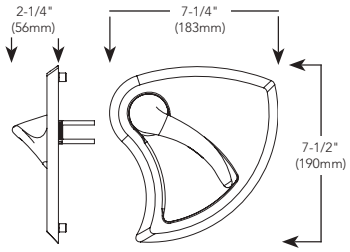
9200 Series with BHW Trim for High Security

Healthcare Hardware

SARGENT
ASSA ABLOY

9200 Series with BHW Trim for High Security

The 9200 Series with BHW Trim is designed to provide additional safety on openings that withstand extreme abuse, vandalism and malicious impact. It is well-suited for Psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.





How To Order

SG-67	92	37	BHW	32D
Option	Series	Function	Trim	Finish
Mechanical Options this page	9200 Series Mortise Locks	See pages 13-20	Lever and Escutcheon	32D
Cylinder Options page 23				

Features

- ANSI/BHMA Grade 1
- Available in 26 functions
- Uses standard mortise prep
- Trim Only option available with existing sectional and escutcheon trim only
- Tapered surfaces on all components
- Available with MicroShield®, an antimicrobial coating
- ADA Compliant
- 6 Lobe head security screws (Torx® type) are standard with BHW Trim
- Matching thumbturn available
- Finish: 32D
- Handed
- Trim only kits:
  694-1 Trim only, non-keyed functions (BHW Trim only)
  694-2 Trim only, single cylinder functions (BHW Trim only)
  694-3 Trim only, double cylinder (BHW Trim only)
- Patent pending and/or patent www.assaabloydss.com/patent

Specifications

Door Thickness	1-3/4" (44mm) to 1-7/8" (47mm) standard; for doors greater than 1-7/8" (47mm) to 2-1/4" (57mm), specify 31- and door thickness (For thicker doors, consult factory)		
Backset	2-3/4" (70mm) only		
Case	12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")		
Outside Front Plate	Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI Standard A115.1. Adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)		
Springs	High carbon steel		
Latchbolt	Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch		
Auxiliary Deadlatch	Stainless steel, non-handed		
Deadbolt	One-piece hardened stainless steel, with 1" (25mm) projection		
Hand	Handed - Must specify hand on order		
Mechanical Options	Cylinders	Cylinder Options see page 26-27	
	Strikes	23-	4-7/8" (124mm) ANSI Strike with 1-1/8" (29mm) Flat Lip
		OBS-	Open Back Strike
		WBS-	Wrought Box Strike
	Thick Doors	31-	For doors thicker than 1-7/8" to 2-1/4"; specify 31- and door thickness
	Electrical Options	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
		LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
		RX-	Request to Exit - Monitors each lever independently
	Lead Lining	74-	Lock case wrapped in lead (specify hand)
	Antimicrobial Coating	SG-	MicroShield® - antimicrobial clear powder coat (available with 32D finish only)
Strike	Brass, bronze or stainless steel; ANSI Standard A115.1; curved lip, non-handed (strike box optional)		
Keys	Two, nickel silver (control key or emergency key must be ordered when required) #41 (1-1/8") cylinder supplied standard		
Masterkeying	Can be masterkeyed or grand masterkeyed. Construction keying available		
Stile	4-1/2" (114mm) minimum stile		
Door Prep	ANSI A115.1 modified per SARGENT standard mortise template A4711		

Packaging

9237 x BHD	approx. 6.1 lbs. (2.7kg)/box

* Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

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Functions & Descriptions

Healthcare Hardware

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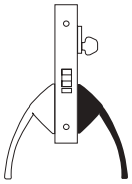
Available Functions for Healthcare Hardware

	04	05	06	13	15	16	17	24	25	26	27	28	29	30	31	35	36	37	38	39	40	41	42	43	45	46	47	48	49	50	51	52	55	56	57	58	59	65	66	67	68	70	71	72	73
7800 BHD	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x				
7800 PT	x				x	x	x	x		x								x						x	x				x								x							
8200 ALP	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8200 BHL	x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8200 BHW	x	x			x	x	x	x	x	x	x	x	x	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9200 BHD	x	x	x		x*	x	x	x	x	x						x		x	x	x	x	x*	x	x	x				x*	x			x				x*	x*	x			x*	x*	x*	x*
9200 BHW	x	x			x	x	x	x	x	x								x	x	x	x	x	x	x	x				x	x			x				x	x	x			x	x	x	x
M9200BHW	x				x		x			x								x	x	x	x	x	x						x				x				x					x	x	x	x
HP ALP					x																																x								

* Not available with Mogul Cylinder (M-option)

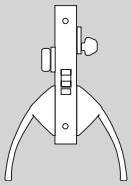
Single Cylinder without Deadbolt

04 Storeroom or Closet



- Key outside retracts latchbolt
- Trim outside locked at all times
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F07**

*05 Office or Entry

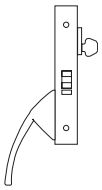


- Key outside retracts latchbolt, also locks and unlocks outside trim
- Trim inside always retracts latchbolt, trim outside remains locked
- Thumbturn inside locks and unlocks outside trim
- Auxiliary deadlatch
- A Multi-Function 8200 ALP/7800 PT Lock Body
- **ANSI F04**

The Multi-Function Advantage:

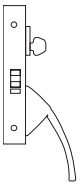
1. 05 function can be used as an 04, 15 and 37 functions without additional parts.
2. By adding an additional cylinder, an 05 function can be used as a 38 function lock.
3. By adding a Trim One Side Kit, an 05 function can be used as an 06, 13, 31 and 36 functions (Not available with 7800PT).

06 Storeroom or Service



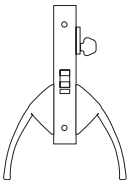
- No trim outside, cylinder only
- Key outside retracts latchbolt
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Same as 04 Function without trim outside

✦36 Closet



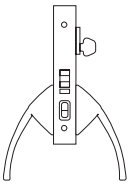
- Key locks and unlocks trim
- No inside trim or cylinder
- A Multi-Function Lock Body
- Auxiliary dead latch

37 Classroom



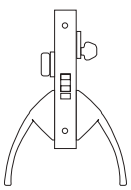
- Key outside retracts latchbolt, also locks and unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lock Body
- **ANSI F05**

55 Office or Entry



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt, outside trim remains locked
- Trim outside is locked and unlocked by the toggle only

56 Office & Inner Entry Lock



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt and unlocks outside trim
- Trim outside is locked by thumbturn or key
- Auxiliary deadlatch

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress
If shaded, trim rigid at all times



NOTE: Paddle orientation on this page is only a representation; all functions can be used with levers or paddles.

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Functions & Descriptions

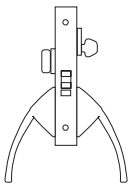
Healthcare Hardware

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Single Cylinder without Deadbolt

57 Institutional Privacy

8200, R8200, 7800

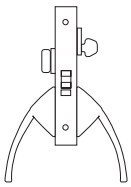


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

58 Institutional Privacy

8200, R8200, 7800



- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside does not unlock when the door closes
- Trim outside unlocks when operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

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✦**CAUTION**: Not recommended for use on any door used for Life Safety egress
If shaded, trim rigid at all times



NOTE: Paddle orientation on this page is only a representation; all functions can be used with levers or paddles.

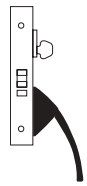
Functions & Descriptions

Healthcare Hardware

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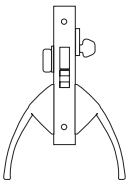
Single Cylinder with Deadbolt

✦31 Utility



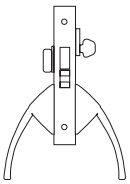
- Key outside retracts latchbolt
- Trim outside is always locked
- No inside trim or cylinder
- A Multi-Function Lock Body
- Auxiliary deadlatch

✦24 Room Door



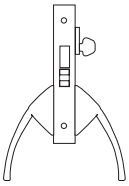
- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt and deadbolt operate independently of each other
- **ANSI F21**

25 Dormitory or Exit



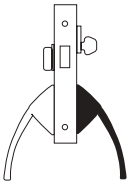
- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, Trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**

✦27 Closet or Storeroom



- Key outside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Same as 24 function without thumbturn
- Latchbolt and deadbolt operate independently of each other

28 Dummy Trim Deadlock

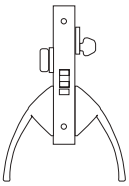


- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Thumbturn inside retracts and projects deadbolt

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress
If shaded, trim rigid at all times

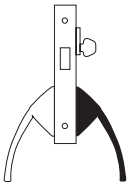


67 Institutional Privacy



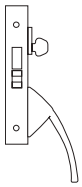
- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks and unlocks outside trim
- Trim outside unlocks when the door closes or by operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F26**
  NOTE: Key does not lock trim outside, only unlocks it

30 Dummy Trim Deadlock



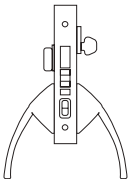
- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Same as 28 Function without a thumbturn

✦35 Storeroom



- Key outside retracts and projects deadbolt
- Trim outside retracts latchbolt, except when deadbolt is projected
- No inside trim or cylinder

43 Apartment Corridor Door



- Key and thumbturn both retract and project the deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Auxiliary deadlatch
- **ANSI F20**

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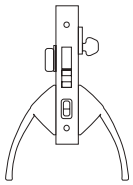
Functions & Descriptions

Healthcare Hardware

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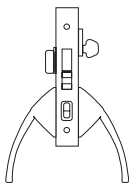
Single Cylinder with Deadbolt

45 Dormitory or Exit



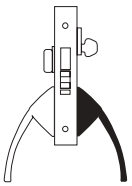
- Key and thumbturn both retract and project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Same as an 8243 without auxiliary deadlatch
- **ANSI F12**

✦47 Front Door or Apartment Corridor Door



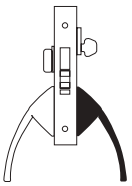
- Key and thumbturn both retract and project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside retracts latchbolt only, deadbolt is retracted manually and trim outside remains locked
- **ANSI F08/F10**

50 Hotel Guest



- Hotel Cylinder (50 Function) Required (Standard and Emergency Keys)
- Standard Key retracts latchbolt only, will not retract or project deadbolt
- Emergency Key will retract latchbolt and deadbolt and also project deadbolt
- Thumbturn retracts and projects deadbolt
- Trim inside retracts latchbolt and deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Available with Conventional, LFIC (60- and 63-) and Keso (82- and F1-82-) key systems
- **ANSI F15**

51 Storeroom Deadbolt



- Key and thumbturn both retract and project the deadbolt
- Key will also retract latchbolt
- Trim inside retracts latchbolt and deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Same as 50 function with a std cylinder

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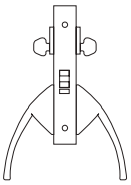
Functions & Descriptions

Healthcare Hardware

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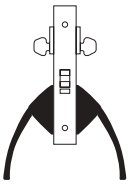
Double Cylinder without Deadbolt

16 Apartment, Exit or Public Restroom



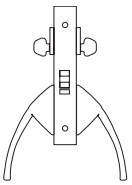
- Key outside retracts latchbolt
- Key inside is required to lock and unlock trim outside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Special -105 cam, required for inside cylinder (supplied)
- **ANSI F09**

17 Asylum or Institutional



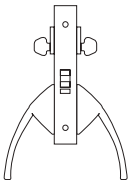
- Key from either side retracts latchbolt
- Trim on both sides are locked at all times
- Auxiliary deadlatch
- **ANSI F30**

38 Classroom Security Intruder Latchbolt



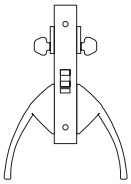
- Key from either side locks and unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F32**

42 Classroom Security Intruder Latchbolt



- **Handed function; handing must be specified. This function is NOT field reversible for handing.**
- Key inside only locks outside trim (does not unlock)
- Key outside locks and unlocks outside trim
- Key outside retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

✦59 Double Locking



- Key from either side locks and unlocks both the inside and outside trims
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking trims
- Auxiliary deadlatch

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress
If shaded, trim rigid at all times



NOTE: Paddle orientation on this page is only a representation of the product; all functions can be used with paddles in any orientation.

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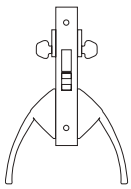
Functions & Descriptions

Healthcare Hardware

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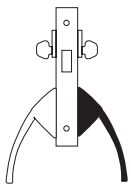
Double Cylinder with Deadbolt

✦26 Store Door



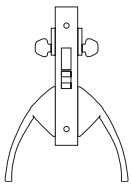
- Key from either side retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

29 Dummy Trim Deadlock



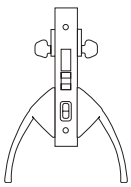
- Deadbolt operation only
- Key on either side retracts and projects deadbolt
- Trim inside retracts deadbolt
- Trim outside is always locked

39 Classroom Security Intruder Deadbolt



- Key either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

✦48 Store Door

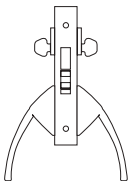


- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim outside is locked by toggle or projecting deadbolt and unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts latchbolt only, and outside trim remains locked
- **ANSI F25**

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress
If shaded, trim rigid at all times

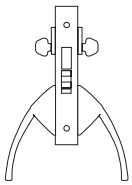


40 Classroom Security Intruder Deadbolt



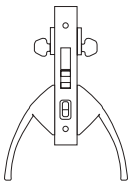
- Key either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch
- **ANSI F34**

41 Classroom Security Intruder Deadbolt



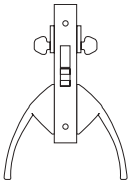
- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

46 Dormitory or Exit



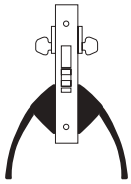
- Key from either side retracts and projects deadbolt
- Key from either side retracts both latchbolt and deadbolt, trim outside remains locked
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked

✦49 Security Deadbolt



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside and outside are locked only when deadbolt is projected

✦52 Institutional Deadbolt



- Key from either side retracts and projects deadbolt
- Key from either side retract latchbolt
- Trim inside and out are always locked
- Auxiliary deadlatch

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Functions & Descriptions

Healthcare Hardware

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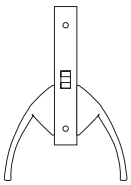
Non-Keyed

13 Exit Latch



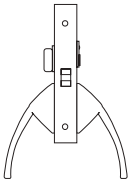
- No outside trim or cylinder
- Trim inside retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function Lockbody
- **ANSI F31**

15 Passage or Closet



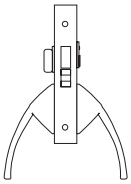
- Trim from either side retracts latchbolt at all times
- **ANSI F01**

65 Privacy Bath/Bedroom



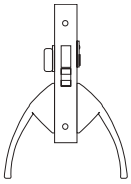
- Trim outside retracts latchbolt except when locked by thumbturn
- Trim inside retracts latchbolt and unlocks outside trim
- Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately.
- Thumbturn locks and unlocks trim outside
- Closing the door will unlock outside trim
- **ANSI F22**

66 Privacy Bath/Bedroom



- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency Release retracts and projects deadbolt-by coin, screw driver or Emergency key (14-0057) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**

68 Privacy Bath/Bedroom



- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt-by coin, screwdriver or Emergency key (14-0057) ordered separately
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

✦**CAUTION**: Not recommended for use on any door
used for Life Safety egress
If shaded, trim rigid at all times



NOTE: Paddle orientation on this page is only a representation of the product; all functions can be used with paddles in any orientation.

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Electrical Functions and Requirements

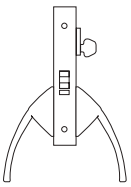
Healthcare Hardware

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ASSA ABLOY

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A 156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

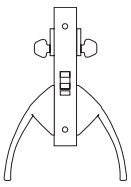
Electromechanical Functions

70 Electrical (Fail Safe)
71 Electrical (Fail Secure)



- 70 function- Power OFF, unlocks outside trim (by solenoid)
- 71 function- Power OFF, locks outside trim (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key outside retracts latchbolt
- Trim outside retracts latchbolt except when locked
- Trim outside can only be locked and unlocked with the solenoid
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

72 Electrical (Fail Safe)
✦73 Electrical (Fail Secure)



- 72 function- Power OFF, unlocks both trims (by solenoid)
- 73 function- Power OFF, locks both trims (by solenoid)
- Always specify voltage: 12VDC or 24VDC
- Key on either side retracts latchbolt
- Trim from either side retracts latchbolt, except when trims are locked
- Both trims can be locked and unlocked with the solenoid
- Trim can not be locked separately, only together
- Auxiliary deadlatch

✦**CAUTION**: Not recommended for use on any door used for Life Safety egress

NOTE: Paddle orientation on this page is only a representation of the product; all functions can be used with paddles in any orientation.

Electrical Requirements for Electromechanical Functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

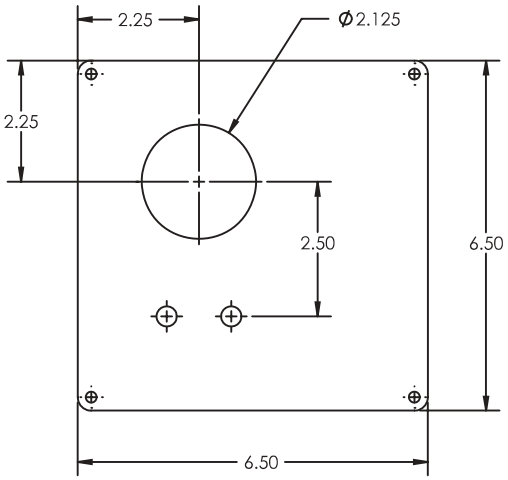
Warning:

- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

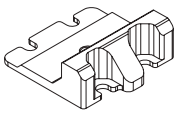
NOTE: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

549 Kit for Retrofitting ALP Push/Pull Trim

Contains 2 retrofit plates and 8 screws. Use to cover prep from 114/115 and PT push/pull trim, as well as other manufacturer's trim, when retrofitting ALP trim. Available in 32D finish standard. Order kit #549.



684 Positive Pull Stop Kit



- This kit prevents the latch from retracting when pulling the door closed.
- Used on openings where weather stripping is installed or when door closers are not utilized.
- Order kit # 684

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Power Supplies and Requirements

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect an 8200 Electrified Mortise Lock to the electronic access control system, the following items are required:

- 8200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx Hinges for 8270-8274 functions and the RX- option is recommended. McKINNEY QC12 ElectroLynx Hinges for LX- or DX- option is recommended.



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Turns, Emergency Releases and Indicators

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130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim



- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)



- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Turn for use with PT Trim



- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- Meets ADA Requirements

184W Emergency Release for use with PT Trim



- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057



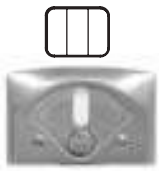
- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

Lock Status and Secured Indicators for use with 8200 Mortise ALP Trim

49- Option Visual Status Indicator for Non Secure Applications

- Designed to work with Classroom Security functions
- Red/White indicator plate standard, field replaceable OCC/VAC plate included
- Mounts on inside of door
- Functions available: 30 and 37
- As retrofit, order 185CALP x finish

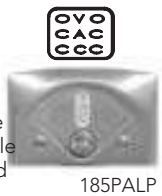
Inside Only



185CALP

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard, field replaceable Red/White plate included
- Mounts on outside of door
- Emergency coin operated release standard
- Functions available: 65, 66 and 68
- As retrofit, order 185PALP x finish



185PALP

50- Option Secured Indicator Rose

- Non-handed mounting
- VAC/OCC indicator plate standard, field replaceabl Red/White plate included
- Mounts on outside of doc
- Available for the following functions:
  24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 67
- Patent pending design
- For retrofit kits:
  Specify: 186PALP x finish



186PALP

NOTE: For 49- and 50- Options, key will not retract latchbolt when used with 37 and 38 functions lock, the key will lock and unlock outside trim

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Cylinders

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Cylinder Lengths (Dim X)

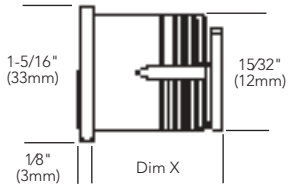
Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

NOTE: ALP 8200 and 7800 PT locks on 1-3/4" thick doors require a minimum cylinder length of #41 (1-1/8") cylinder

40 Series Type Cylinder



- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 function requires a 105 cam on the inside cylinder
- 50 Hotel Cam -115 supplied standard standard with all Hotel Function Cylinders





7850/8250 Function Hotel Cylinder



- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (14-0036 x keying info)
- Supplied with Cam suffix -115 for Hotel Functions

10- Option Signature Series



- The protected system offers the building owner full control over duplication of keys. Highly pick resistant cylinders
- 10-63- Option- Signature cylinder with Large Format Interchangeable Cores

11- Option XC Key System



- Patented system works with existing SARGENT keyway adding increased security
- 11- XC Std Cylinder
- 11-63- Large Format Interchangeable core
- 11-73- Small Format Interchangeable core

F1-82- and 82- Option KESO



- The system offers the building owner full control over duplication of keys
- Highly pick resistant cylinders
- Expanded levels of masterkeying
- F1-83- and 83- Option- Keso removable core
- 84- Option- Keso construction core cylinder

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Cylinders and Rosettes

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51- Option Old Style Removable Core



- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core



- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- 60- Hardware to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided
- 70- Hardware to accept 6- or 7-Pin SFIC Permanent Cores, disposable plastic core provided

63- Option Large Format Interchangeable (Removable) Core



- Allows immediate removal of the core. Virtually unlimited key changes
- Available with Signature and XC- features as 10-63-, 11-60-, 11-63- and 11-64-
- For disposable core, see 60- Option
- 63- Hardware provided with LFIC (Removable core) cylinder
- 64- Hardware provided with Keyed construction core to accept LFIC (Removable) permanent core
- Control key used to remove core, must request control key separately

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

7300B Interchangeable Core



- Small Format Interchangeable Core
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 72- Hardware to accept 6- or 7-Pin SFIC (Keyed construction core provided) cylinder
- 73- Hardware provided with 6-Pin SFIC, SARGENT 4A, 4B keyways
- 65-73- Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent core - (Packed loose for field keying)
- 65-73-7P- Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (Packed loose for field keying)
- 73-7P- Hardware provided with Small Format 7-Pin Interchangeable core, SARGENT 4A, 4B keyways
- 11-70-7P- Hardware to accept XC- SFIC (7-Pin) XC- Permanent cores, disposable plastic core provided
- 11-72-7P-* Hardware to accept XC- SFIC (7-Pin Keyed construction core provided) cylinder; Permanent core ordered separately
- 11-73-7P-* Hardware provided with XC- Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
- 11-65-73-7P-Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose)

* Control key used to remove core (provided separately)

No. 97 Rosette



- Standard for 8200 ALP and 7800 mortise locks
- Standard for cylinders ordered separately from hardware
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D

1SB Cylinder Collar



- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Finishes: 32, 32D
- Available in 4 sizes. See 8200 Mortise Catalog for specifics on collar sizes and measurements

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For complete cylinder information, see Cylinders and Components, Signature, Keso, Keso F1 or XC catalogs.
For details on cylinder collar kits, see 8200 Mortise Catalog (page 27).

Strikes and Fronts

Healthcare Hardware

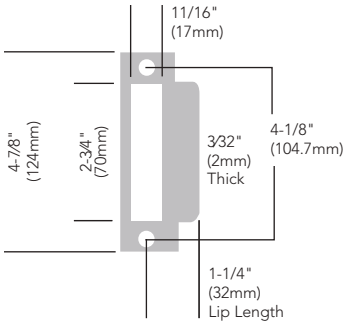
SARGENT
ASSA ABLOY

- Curved lip strikes: Brass, bronze or stainless steel
- 877 Open back strike: Brass plated
- To order strikes separately, specify strike part number and finish
- Strikes ordered separately are furnished with machine screws
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike.
- Specify part number when ordering with complete lock
- See chart below for part number and lip lengths
- Open back strike not available for deadbolt functions

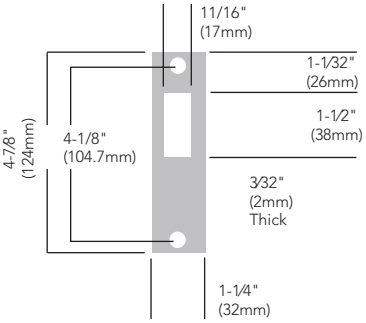
Curved Lip Strike

Door Thickness	Part No.	Lip Length
Double Door	82-0229	7/8" (23mm)
1-3/8" (35mm) - 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm) - 1-3/4" (44mm)	82-0110 Standard	1-1/4" (32mm)
1-7/8" (48mm) - 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) - 2-1/2" (64mm)	82-0112	1-5/8" (41mm)
2-5/8" (67mm) - 3" (76mm)	82-0113	1-7/8" (48mm)
3-1/8" (79mm) - 3-1/2" (89mm)	82-0114	2-1/8" (54mm)
3-3/8" (86mm) - 4" (101mm)	82-0115	2-3/8" (61mm)
4-1/8" (105mm) - 4-1/2" (114mm)	82-0116	2-5/8" (67mm)
4-5/8" (117mm) - 5" (127mm)	82-0117	2-7/8" (73mm)

Curved Lip Strike (Standard)



78-0034 Deadbolt Strike

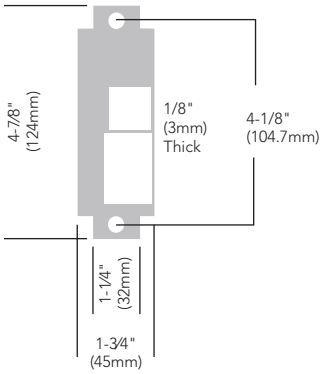


877 Open Back Strike

- **Strike handed by active leaf**

Door Thickness	Part No. RHRB	Part No. LHRB
1-3/4" (44mm)	82-0332	82-0333
2" (51mm)	82-0334	82-0335
2-1/4" (57mm)	82-0336	82-0337
2-1/2" (64mm)	82-0338	82-0339
2-3/4" (70mm)	82-0340	82-0341
3" (76mm)	82-0342	82-00343

877 Open Back Strike



77-1141 Wrought Box Strike



- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

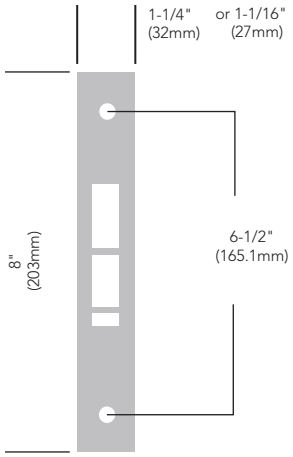
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Outside Front Plate

Standard 1-1/4" (32mm)	Functions
82-0080	15, 65
82-0081	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 56, 57, 58, 59, 67
82-0082	28, 29, 30
82-0083	24, 25, 26, 27, 35, 39, 49, 66, 68
82-0084	40, 41, 50, 51, 52
82-0086	45, 46, 47, 48
82-0087	43
82-0578	70, 71, 72, 73
82-0085	55

Outside Front Plate



No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike. Std for 1-3/4" to 2" doors.

Specify 2-677 for 2-1/4" thick doors. Hardware Finished.

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Cylinder Options

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Cylinder Options

Categories	How to Specify	Detailed Description
Conventional Cylinder	-*	SARGENT Conventional Cylinders Supplied Standard
Degree Key System	DG1-	SARGENT Degree Key System Level 1 (Bump and pick resistant)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	10-	SARGENT Signature Key System (Not available with other key systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Key System	11-	XC Key System (Not available with other key systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-	Hardware provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
XC- Small Format Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-Pin) XC- Permanent cores, disposable plastic core provided
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed construction core provided) cylinder Permanent core ordered separately
	11-73-7P-	Hardware provided with XC- Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose)
Construction Key System	21-	SARGENT Lost Ball Construction keying for Conventional, XC and Signature series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional cylinders (Existing systems only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old style) provided (Existing systems only)
	52-	Removable Construction Core (Old style) Permanent core ordered separately (Existing systems only)

* Option available with 50 function hotel lockout cylinders

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Options

Healthcare Hardware

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Cylinder Options

Categories	How to Specify	Detailed Description
Large Format Interchangeable Core	60-*	Hardware to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-*	Hardware provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	70-	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, disposable plastic core provided
	72-	Hardware to accept 6- or 7-Pin SFIC (Keyed construction core provided) cylinder (Permanent core ordered separately)
	73-	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) core - (Packed loose for field keying)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) core - (Packed loose for field keying)
	73-7P-	Hardware provided with Small Format 7-Pin Interchangeable core - (Includes masterkeying, grand masterkeying)
Keso and Keso F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Permanent cores ordered separately)
	82-*	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-*	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Hardware provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Permanent cores ordered separately)
Additional Security	BR-	Bump Resistant Cylinder (Available with conventional and conventional XC cylinders only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

* Option available with 50 function hotel lockout cylinders
NOTE: For V-10 Cylinders and information contact ASSA
NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

Mechanical Options

Categories	How to Specify	Detailed Description
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike coat (available for 32 and 32D finishes)
	OBS-	Open Back Strike
	WBS-	Wrought Box Strike
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick. For doors thicker than 2-1/4" -consult factory. When ordering the following information is required: Location of lock within the door, door thickness – IF PANELED – must specify panel thickness and panel location (inside or outside of the door) For 8200 ALP trim: door thickness 1-3/4" (44mm) to 1-7/8" (48mm) standard; For thicker doors, consult factory. For 7800 PT trim: door thickness 1-3/4" (44mm) to 2" (51mm) standard; For thicker doors, consult factory.
Security Fasteners	36-	6 Lobe head security screws (Torx® type) (supplied standard on BHL Trim and PT trim)
	37-	Spanner head security screw
Electrical Options+**	DX-	Deadbolt monitoring - Monitor deadbolt position (not available with LX-)
	LX-	Latchbolt monitor - Monitors latchbolt position (not available with deadbolt functions)
	RX-	Request to Exit - Monitors each lever independently
Visual Indicators	* 49-	Visual Status Indicator or Occupancy Indicator w/Emergency Release (available with 8200 ALP only)
	* 50-	Secured Indicator (available with 8200 ALP with cylinder functions only)
Lead Lining	74-	Lead Lining or Wrapping
Markers	P-	Push/Pull Paddle Identification (non-handed)
Finish Protection	CPC-	Clear Powder Coat
	SG-	MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)

* Not available with 8200 BHW
** Not available with 9200 BHD
+ not available with ALP trim

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How To Order & Finishes

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How to Order 8200BHL/ 8200 BHW/8200ALP/7800 BHD/9200 BHD Series Mortise Locks

10-	82	71	12VDC	BHL	32D	RHR
Options*	Series	Function	Voltage	Trim	Finish	Hand
For all available options see pages 26-27	9200, 8200 or 7800 Mortise Lock	Pages 13-20 for Details	12VDC 24VDC	BHL Trim for 8200 or BHW Trim for 8200 or BHD Trim for 8200 or BHD Trim for 7800 or ALP trim for 8200	32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

* Multiple options can be selected

How To Order 7800PT Series Mortise Locks

10-	82	71	12VDC	PT	32D	RHR
Options*	Series	Function	Voltage	Trim	Finish	Hand
For all available options see pages 26-27	7800 Mortise Lock	Pages 28 for Details	12VDC 24VDC	PT trim for 7800	32D	RHR
						RH
			Must be specified for Functions 70, 71, 72 & 73			LHR
						LH

* Multiple options can be selected

How To Order 114/115 Series Push/Pull Units

28-P-	115	26D	RH
Options	Series	Finish	Hand
See page 26-27	114	03, 04, 09, 10, 10B, 10BE, 15, 26 & 26D	RHR
			LHR
	115		RH
			LH

How To Order HP Bored Locks with ALP Trim

SG-	HP	U65	ALP	32D	RHR
Option	Series	Function	Trim	Finish	Hand
See page 26-27	HP Series Tubular Locks	15 - Passage 65 - Privacy	Push/Pull Trim	32D	RHR
					LHR
					RH
					LH

Finishes

8200 or HP locks with ALP Trim	8200 BHW, 8200 BHL, 7800 BHD, 9200 BHD	7800 Push/ Pull Trim	114/115 Push-Pull	7800 PT Trim	Description	BHMA
		03	03	03	Polished brass, clear coated	605
		04	04	04	Satin brass, clear coated	606
		09	09	09	Polished bronze, clear coated	611
		10	10	10	Satin bronze, clear coated	612
		10B	10B	10B	Oxidized bronze, oil rubbed	613
		10BE	10BE	10BE	Dark Oxidized Satin Bronze Equivalent	613E
				10BL	Oxidized satin, bronze, clear coated	613L
					Polished nickel, clear coated	618
			15		Satin nickel, clear coated	619
				20D	Statuary dark bronze, clear coated	624
			26		Polished chrome	625
			26D		Satin chrome	626
				32	Polished stainless steel	629
32D	32D	32D		32D	Satin stainless steel	630

SG- MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)
Split Finishes - specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

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Handing Information

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Door Handing

Patent pending and/or patent www.assaabloydss.com/patent

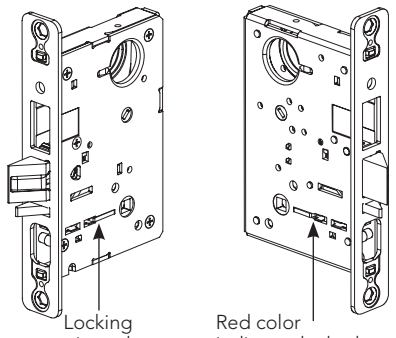
NOTE: Changing the hand of the lockbody is either a 1 or 2 step process depending on the hand of the lockbody and what hand it needs to be.
Remember the RED surface of the locking piece (step A) always faces the locked or outside surface of the door.
The bevel on the latchbolt (step B) must always face the strike.

1. Changing a lockbody from LH to RHRB or RH to LHRB or the opposite requires only step (A) to be performed.
2. Changing a lockbody from LH to LHRB or RH to RHRB or the opposite requires only step (B) to be performed.
3. Changing a lockbody from LH to RH or RH to LH or the opposite requires both step (A) and (B) to be performed.

To change hand of <u>locking piece</u>

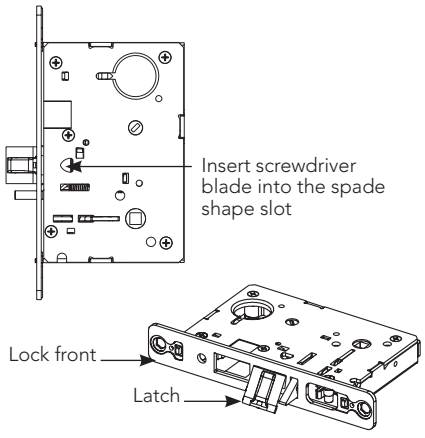
NOTE: The following Functions (04, 06, 16 & 31) require that the Green Catch Screw is removed prior to rotating the Locking Slide.

1. Position Lock Body so the Red Surface of the Locking Slide is facing you.
2. With Blade Type Screw Driver, push on the Red surface of the locking Slide so it rotates towards the back of the lock.
3. Continue to Rotate the Locking Slide for a full 180°, so that the Red Surface is visible on the opposite side of the lock.
4. RED indicates locked (outside) side.



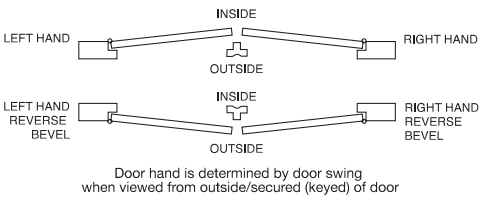
To change hand of <u>latch and guardbolt:</u>

1. Insert the blade of a slotted screwdriver (>1/4") into the spade shape slot behind latch.
2. Rotate the screwdriver 90° to push latchbolt out until back of bolt clears lock case front.
3. Rotate latchbolt 180° until the latchbolt drops back into the lockbody.



Rotate screwdriver 90°
to push latch out until back
of latch clears lock front, then rotate latch 180°,
latch will then re-enter lockbody
(**NOTE:** Latch can not be unscrewed)

Door Handing



Door hand is determined by door swing
when viewed from outside/secured (keyed) of door

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8200/7800 and HP Certifications

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Certification Compliance for 8200 & 7800 Mortise Locks

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. **NOTE:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL	UL and cUL Listed for use with 3 hour fire "A" label 4 x 10 single and 8 x 10 double and lesser class doors. UL symbol on front stamped letter F indicates listing.
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Warranty for 8200 & 7800 Mortise Locks

Warranty	10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of Lockbody and/or components.

Certification Compliance for HP Bored Locks

ANSI/BHMA	Certified to ANSI/BHMA A156.2 Series 4000 Grade 1 with all standard trims.
ADA	Meets A117.1 Accessibility Code.
UL	UL and cUL Listed for use on 3 hour fire doors (4 x 8 single and smaller doors). UL symbol on front stamped letter F indicates listing.

Warranty for HP Bored Locks

Warranty	1 year limited warranty. Warranty limited to replacement of Lockbody and/or components.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Multi-Functional Lockbody & Architectural Specifications

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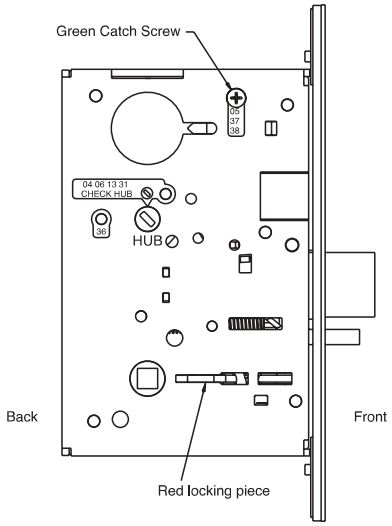
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How to Change Lock Function:

The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function.

There are three locations: one location for 05, 37 and 38 functions; one location for 04, 06, 13 and 31 functions; and one location for 36 function.

NOTE: To change to functions 04, 06, 13 and 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.



2.1 Heavy Duty Mortise Locks

A. Heavy duty mortise locks shall be 8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lock body.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10' 0" (3.05m)
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H Strikes shall be non-handed with a curved lip.
I To ensure proper alignment, push/pull trim shall be through-bolted.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
L. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
   1. Acceptable Manufacturers:
      a. Sargent Manufacturing (SA) - 8200 BHW Series
      b. Corbin Ruswin (RU) – ML2000 BHSS Series
      c. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case.
   Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating
   as specified in Hardware Sets.
   1. Acceptable Manufacturers:
      a. Sargent Manufacturing (SA) - 8200 BHL Series.
      b. Corbin Ruswin (RU) - ML2000 BLSS Series.
      c. Best Lock (BE) - SPSL Series
      d. Town Steel (TS) - MRX-L Series

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Multi-Functional Lockbody & Architectural Specifications

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2.2 Heavy Duty Bored Locks

A. Bored hospital latches shall be HP Series as manufactured by Sargent Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.2 Series 4000 Operational Grade 1.
C. Locks shall be easily re-handed with a non-handed curved lip strike.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Lockset paddles shall be capable of horizontal or vertical mounting positions.
F. Locks shall have 2-3/4", 5" or 7" backset available.

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Notes

Healthcare Hardware

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
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Electroguard®



Experience a safer
and more open world

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Electroguard®

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MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

Microshield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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On The Cover

• 59-8810 Rim Exit Device

Features

Electroguard®

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Introduction

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 59-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 59- option has a new design. The updated 59- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting.

UL LISTED c UL LISTED

Features

Compliance

- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12-option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation

- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds lock releases. 30 second delay available with written permission of Authority having Jurisdiction
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

Specifications

- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features
- Minimum Door Widths: - Wide Stile Door 32" - Narrow Stile Door 32"
- Ability to gang up to 12 doors
- Shipped with decal "Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS, SP8600, & FM, ND8700 & and MS, HC800 Devices
- Order as a 59- option (e.g., 59-8813F x ETJ x 32D x 36" Door)
- See page 58 for compatible options

Installation and Maintenance

- Diagnostic LEDs on PC board for easy troubleshooting

Feature Descriptions

• **Fire Alarm (N.C.) Contact**	When connected to a normally closed contact, the push rail shall unlock upon a signal from the building's fire alarm system When the fire alarm is activated, the push rail releases, Status LED is activated and horn is disabled.
• **Remote Alarm**	A SPDT relay contact, rated 1 amp @ 24VDC will close during an alarm condition. These contacts can be used to operate an LED, horn, or other monitoring device.
• **Key Cylinder Input**	The 41 size cylinder located in the rail assembly of the exit device is used to activate or deactivate the delayed egress system. Will accept most standard SARGENT key systems, SFIC, Removable core, construction keying and Masterkeying.
• **Door Position**	A door position switch (3287) or monitor hinge may be connected to the Electroguard® to signal the circuitry that the door is open, sounding the alarm in the rail. When this input is used, the Electroguard® cannot be armed when the door is open.
• **External Inhibit Input**	Allows the unit to be disarmed remotely by a key switch, key pad or card reader for momentary or extended egress or ingress.
• **Remote Reset**	Allows for a device in alarm to be reset remotely and provides an authorized times egress from access control panel
• **Authorized Entry**	When using an outside trim to retract the latchbolt, a preset time of ten seconds is allowed before the alarm will sound. If more or less time is required, use external inhibit input.
• **Latchbolt Status**	A SPDT relay contact, rated 1 amp @ 24VDC from the Electroguard® which provides an indication to a remote monitoring panel when the latchbolt is retracted or extended.
• **Gang Release**	Allows release of delayed action function for a bank of doors when any door in the bank goes into alarm or the external inhibit is triggered. Once external inhibit is triggered, bank of doors simultaneously releases and can be maintained in that state. Bank of doors must be operated by one power supply.
• **Signage Standard**	"Emergency Exit Only — Push until alarm sounds. Door can be opened in 15 seconds." Provided standard with every Electroguard®. Dimensions: 22-1/2" (572mm) long x 7-3/4" (197mm) high (#68-0704).

BC- Option

The BC- option for Electroguard® indicates the unit has been programmed to comply with the section of BOCA code that relates to delayed egress.

This programming change allows for automatic rearming of the delayed egress unit. Under BOCA, the unit can automatically rearm thirty (30) seconds after the door has been cycled. If the door is opened any time during the thirty (30) second period, the timer in the unit resets and waits another thirty (30) seconds before rearming. This option requires a door position switch (3287) for proper operation.

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80 Series Mechanical Features

Electroguard®

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SARGENT 80 Series Exit Devices

SARGENT manufactures a full line of exit devices that includes vertical rod, rim and mortise devices for both standard and narrow stile doors.

The SARGENT 80 Series provides a robust means to ensure safe egress from schools, auditoriums, public and commercial buildings during routine, daily activities and emergencies, while providing the highest level of security at the opening. Designed and manufactured to survive high use and abuse locations, SARGENT exit devices provide the best combination of **Simplicity, Strength, Durability, Aesthetics** and **Innovation** and are perfect for applications in commercial office buildings, medical and educational institutions.



59-8300/12-59-8300 Narrow Design Mortise Lock Exit Device



59-8500 Narrow Design Rim Exit Device



All 80 Series



59-8600/12-59-8600 Concealed Vertical Rod Exit Device



59-8700/12-59-8700 Surface Vertical Rod Exit Device



59-8400/12-59-MD8400 Vertical Rod Exit Device



59-8800/12-59/8800 Rim Exit Device



59-8900/12-59-8900 Mortise Lock Exit Device

Simplicity

- Chassis, rail and rod assemblies are engineered with minimum components for reduced maintenance
- Modular design allows for phased component installation. Chassis assembly can be mounted separately to latch/secure the door during construction
- Simple installation, no periodic/preventative maintenance required to maintain warranty and proper functioning
- No need to remove device for keying

Strength & Durability

- Reinforced cast (ZA) alloy chassis – exceptional strength and durability. Withstands 2X more static load forces compared to a stamped steel chassis!
- Available to meet Dade County protocols and other local hurricane code requirements for high wind load and missile impact
- Tough, tapered Lexan touch pad and optional flush end cap for a durable, aesthetically pleasing design with reduced susceptibility to damage
- Exceeds ANSI/BHMA A156.3 2001 Grade 1 testing requirements
- Complies with NFPA 80 and 101
- UL and cUL Listed for Panic
- All fire exit hardware for hollow metal door applications listed up to 3 hour, "A" label
- All fire exit hardware for wood door applications listed up to 1-1/2 hour, "B" label
- Rail assemblies and end caps are brass bronze or stainless steel with all stainless steel springs
- 5 year mechanical warranty and 2 year electromechanical warranty

Aesthetics

- Clean, simple lines
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- Broad selection of trims, including Coastal & Studio Series levers, that match other SARGENT lock product trim (reference 80 Series catalog for details)

Innovation

- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications. See Product System Manual
- Built in features to ensure quiet latchbolt operation
- Unique design of chassis, rail and outside trim protect components against vandalism, abuse and potential jobsite damage
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

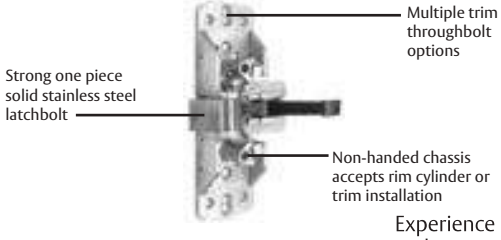
Security

- Double cylinder functions available
- Torx® and spanner screws
- Anti-vandal trim options
- Master keying with SARGENT Security key systems available (Signature, Keso, XC)

Note: For complete information, refer to the 80 Series Exit Devices catalog.

8800 Series Rim Device

- 17 Functions, one chassis – the perfect stocking device!
- Only 7 components – less wear, less maintenance!
- ZA-27 Alloy chassis for exceptional strength and durability
- Non-handed
- Quick retrofit
- Simple door prep and installation!
- 5 year warranty



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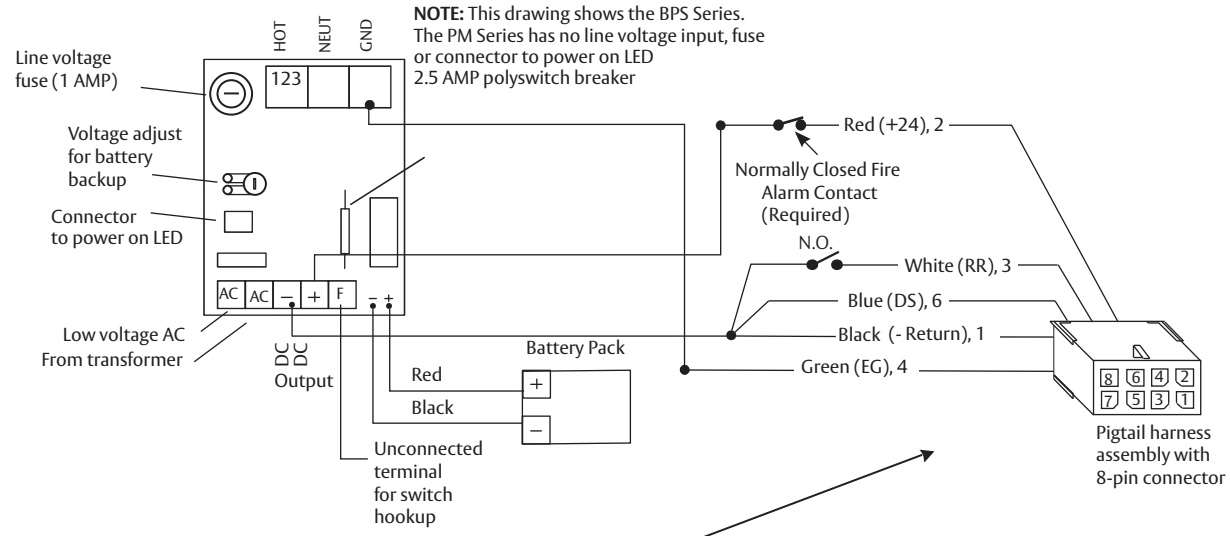
Applications

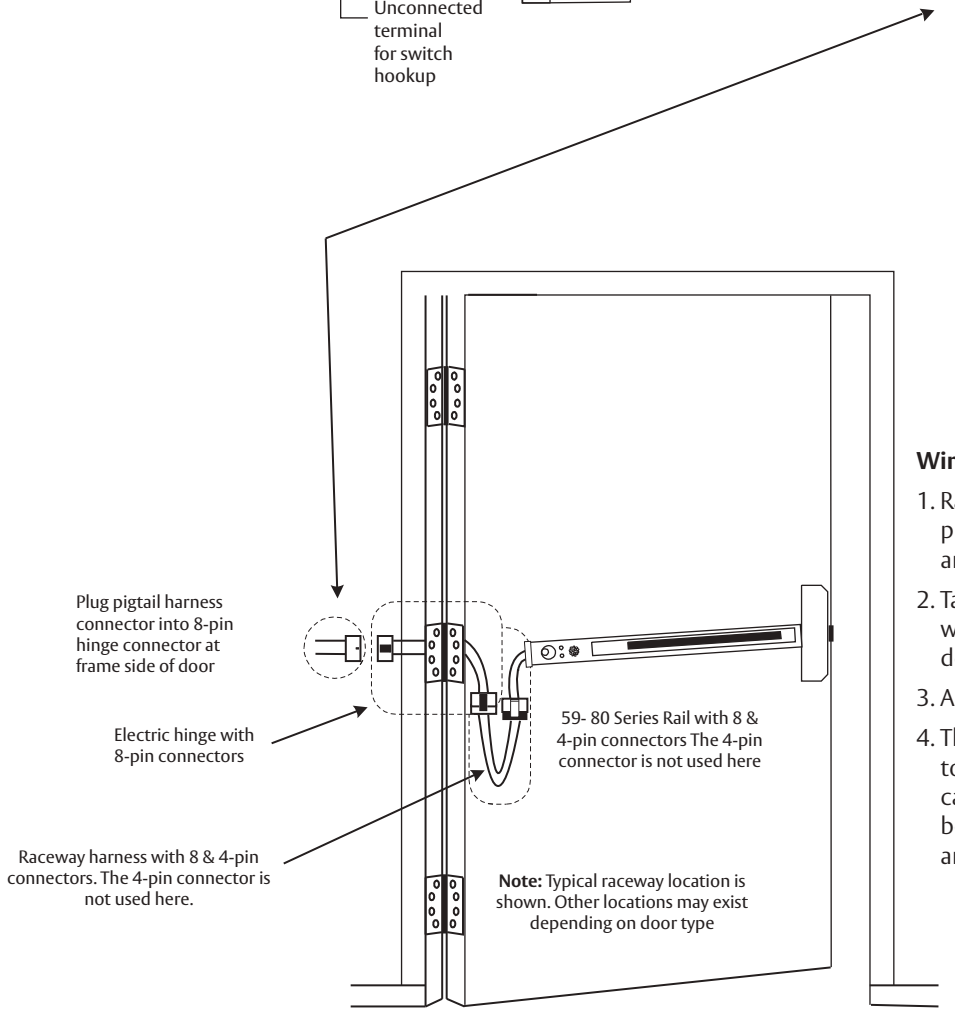
Electroguard®

SARGENT
ASSA ABLOY

24VDC 1.0AMP Regulated and Filtered Power Supply 110-120VAC

During a fire alarm condition, the fire alarm contact opens which de-energizes the rail magnet and allows immediate egress.





Wiring Notes:

1. Rail, raceway, electric hinge and pigtail 8-pin connector terminations and wire colors all match.
2. Tape or cap off ends of unused pigtail wires (not shown) to ensure that they do not short.
3. A fire alarm tie-in is always required.
4. The fire alarm contact must be wired to drop 24VDC power to rail. In this case, terminate fire alarm contact between the red (+ 24VDC) wire and supply + 24VDC output.

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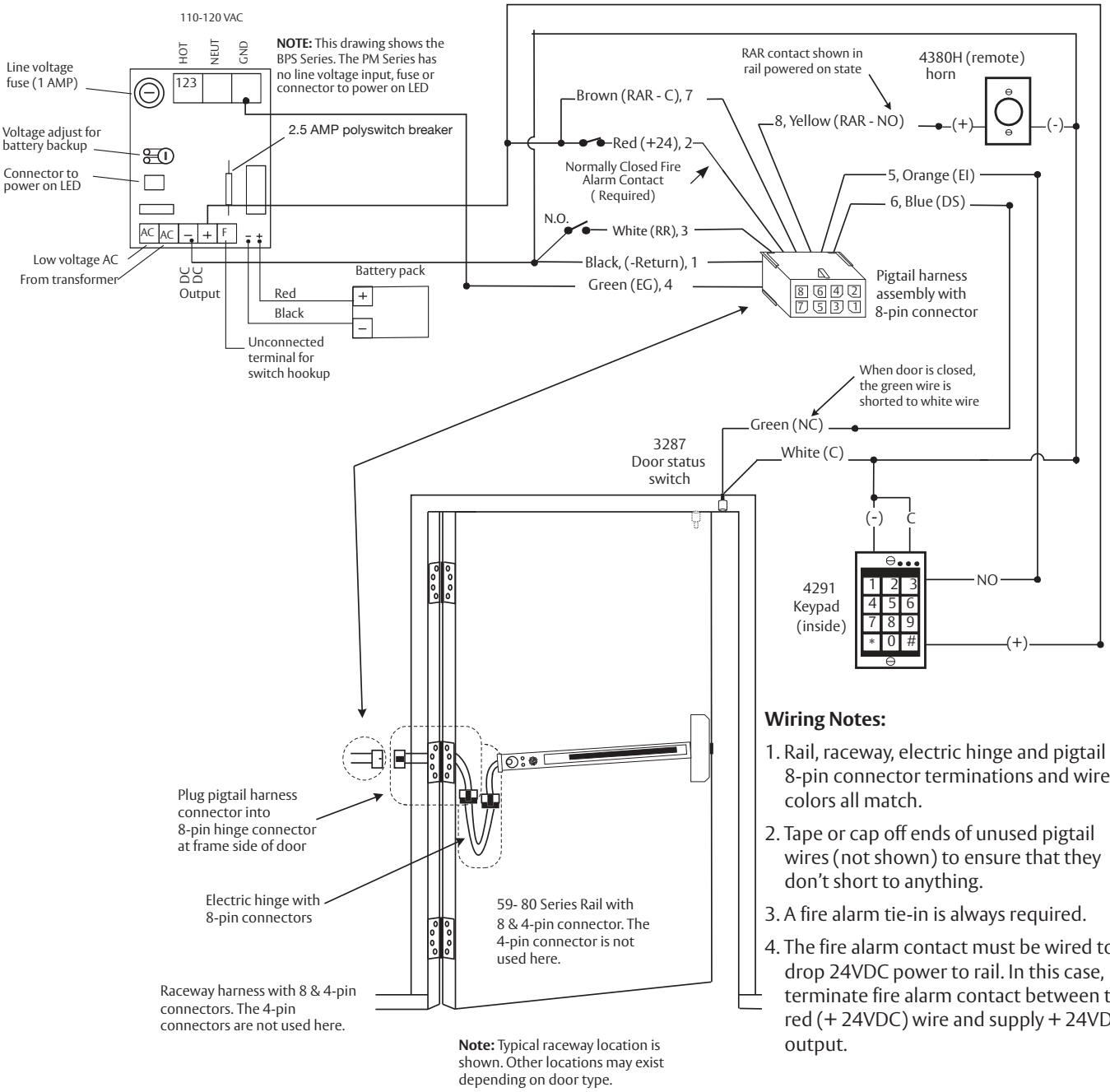
Applications

Electroguard®

SARGENT ASSA ABLOY

3520 24VDC 1.0AMP Regulated and Filtered Power Supply

The following is a typical point-to-point wiring diagram for an Electroguard® application with inside Keypad, Fire Alarm, Door Status and Remote Horn. A valid code entry at the 4291 (Inside) keypad shunts the Electroguard exit device and allows egress for a time period programmable at the keypad. During a fire alarm condition, the contact opens which de-energizes the rail electromagnet and allows immediate egress. When the rail is armed and the door is forced open, the 3287 door status switch signals the rail, sounding the rail alarm. When the rail is armed and violated, the remote alarm relay sends 24VDC to the 4380H remote horn.



Note: Typical raceway location is shown. Other locations may exist depending on door type.

Wiring Notes:

1. Rail, raceway, electric hinge and pigtail 8-pin connector terminations and wire colors all match.
2. Tape or cap off ends of unused pigtail wires (not shown) to ensure that they don't short to anything.
3. A fire alarm tie-in is always required.
4. The fire alarm contact must be wired to drop 24VDC power to rail. In this case, terminate fire alarm contact between the red (+ 24VDC) wire and supply + 24VDC output.

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Data Transfers and Power Supplies

Electroguard®

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

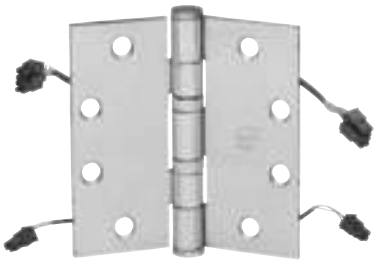
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect an 59-80 Series Electrified Exit device to the electronic access control system, the following items are required:

- 59-80 Series Exit Device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC12 ElectroLynx® Hinge
for 59- Option is recommended.



24VDC Power Supplies:



- UL Class 2 Listed
- Four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (738-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Electrical Accessories

Electroguard®

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3287 Door Status Switch



- Can be used with Electroguard® to indicate when door is open to circuitry
- SPDT concealed switch (3 wire)
- Rated .25 amp @ 24VDC
- Requires 1" (25mm) diameter hole

Order as a 3287

4370 Key Switch



- Used for external inhibit option on Electroguard
- Contains one SPDT maintained switch to de-energize device for prolonged periods
- Face plate dimension: 4-1/2" x 2-3/4" (114mm x 70mm)
- Two LEDs indicate status: 4370L
- Contacts actuated only when key is in the cylinder and turned
- Recommend Appleton 4CS or RACO 670 Junction Box (4" [114mm] x 2-1/8" [54mm] x 1-7/8" [48mm])

Order as a 4370

4291 Indoor Key Pad



4291 Shown

- Used for external inhibit option on Electroguard® device
- Single door application
- 15 user codes (1-6 digits)
- One master code (1-6 digits)
- Momentary control adjustable (1-90 seconds)
- Maintained control - infinite
- 24VDC regulated input voltage
- Control output: 1 SPDT 5 amp, 28VDC
- Face plate dimensions: 4-1/2" x 2-3/4" (114mm x 70mm)
- 4291 Indoor Keypad
  - Designed for indoor use
  - Recommended Slater SI-18W outlet box
- 4291 Indoor Keypad
  - Designed for indoor use
  - Recommended Slater SI-18W outlet box

  Order as a 4291
- 4292 Outdoor Keypad
  - Weather resistant. Not for use in direct rain
  - Designed for outdoor use (-20°F to 130°F)
  - Recommended SARGENT 4352 outlet box or Waxman 35-276

Order as a 4292

4352 Junction Box



- Designed for use with 4292
- 4-5/8" (117mm) H x 2-7/8" (73mm) W x 2" (51mm) D
- Aluminum

Order as a 4352

4371LT Key Switch



- Used for external inhibit option on Electroguard
- Contains one SPDT switch w/electric time delay (adj. 5-120 seconds)
- Two LEDs indicate status
- Face plate dimension: 4-1/2" x 4-1/2" (114mm x 114mm)
- Recommend Appleton 132 or Raco 680 Junction Box (4" [102mm] x 4" [102mm] x 2-1/8" [54mm])

Order as a 4371

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Mechanical Options & Descriptions

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Mechanical Options:

Categories	How to Specify	Detailed Description
Fire Rated	**12-**	UL Fire Label Exit hardware
SVR Bolt	**14-**	Sliding bolt bottom case for 8700
Cylinder Dogging	**LD-**	Less dogging for non fire rated devices
Less Touch Pad	**19-**	Pushbar without Lexan touchpad
8900/8300 Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 & 8300 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) Extended lip strike supplied for 8300 & 8900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Flush End cap	**43-**	Flush End Cap
Electrical Options	**54-**	Monitors ET Lever movement with Internal micro switch in ET Control (available upon request)
	59-	Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)
	BC-59-	Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 57-, 58-, AL-, BT-, GL-, HC- & WS- Options and on NB8700, PP/PR/SP8600 & LP/LR/LS8600 Exit Devices)
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Push Rail (Not available with PL-)
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Push Rail & Abrasive coating on Outside Lever (Not available with PL-)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 85- & 87-)
Through Bolts	**TB-**	Through Bolts for 8300, 8500, 8600, 8700, 8800 & 8900 Devices

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Cylinder Options & Descriptions

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Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive;bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC Removable Core	**10-63-**	SARGENT Signature Removable Core Cylinder
XC- Key System	**11-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Removable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Removable Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)
Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	**60-**	Device to accept SARGENT Permanent Removable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Removable Permanent Core (ordered separately)
Small Format Interchangeable Core	**70-**	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	**81-**	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
	SE-	Schlage E keyway cylinder, 0 bitted (not available with: 8904, 8916, 8944, 8975, 8976, 8866, 8304, 8344, 8375 & 8376)
Lever to Accept Schlage	**SF-**	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (Supplied Less Cylinder, but with tailpiece needed) (Available for 88-KLL & 88-CLL)

Note: For V-10 Cylinders and information, contact ASSA. For cylinder size options, refer to the SARGENT 80 Series catalog.

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General and Ordering Information

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How to Order Exit Devices

Example Order:

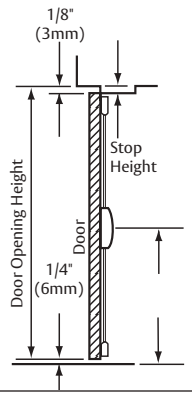
59-	89	75	F	ETMR	12VDV	RHR	26D	32D	36"	84"	41"
Options	**Device Type**	**Function**	**Rail Size**	**Trim**	**Voltage**	**Hand**	**Outside Finish**	**Inside Finish**	**Door Width**	**Opening Height**	**AFF**
Available Options Listing Pages 9-10	89 - Mortise	04 - Night Latch	E 24"-32"	For ET trim specify ET followed by Lever design,	12VDC	RHR	Available Finishes page 12	Inside Finish Available Finishes page 12	If door width is supplied rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail Above Finish Floor 41" Standard
	88 - Rim	06 - Night latch	F 33"-36"		24V0DC	LHR					
	87 - SVR	10 - Dummy	J 37"-42"		Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76						
	MD86 - CVR	13 - Classroom	G 43"-48"								
	AD86 - CVR	15 - Passage		For Thumbpiece Trims and Pulls specify Trim Designation as specified by Device Type							
	WD86 - CVR	16 - Entrance									
	85 - Rim Narrow	28 - TP Passage									
	MD84 - CVR Narrow	40 - FW Dummy									
	AD84 - CVR Narrow	43 - FW Classroom									
	83 - Mortise Narrow	44 - FW Night Latch									
	PP87 - CTL SVR	46 - FW Night Latch									
	PR87 - CTL SVR	62 - TP Night Latch									
	SP87 - CTL SVR	63 - TP Classroom									
		66 - TP Entrance									
		73 - Solenoid Fail Safe									
		74 - Solenoid Fail Secure									
		75 - Solenoid Fail Safe w/Cyl									
		76 - Solenoid Fail Secure w/Cyl									

Legend

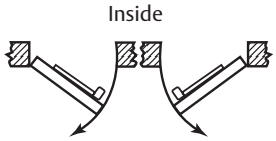
AD -	Aluminum Door	HC -	Hurricane Code
AFF -	Above Finish Floor	MD -	Metal Door
CTL -	Center & Top Latching Exit	NB -	No Bottom Rod
CVR -	Concealed Vertical Rod	SVR -	Surface Vertical Rod
ET -	SARGENT External Lever Trim	TP -	Thumbpiece Trim
FM -	FEMA	WD -	Wood Door
FW -	Freewheeling Trim	WS -	Windstorm

Mounting Heights

- 41" (1041mm) from finished floor for standard application
- 38" (965mm) from finished floor for elementary schools and to meet local accessibility standards when a 100 or 300 Series Auxiliary Control is used (38" AFF must be specified)



Hand



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Suggested Architectural Specifications and Finishes

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2.01 Delayed Egress Exit Devices

A. Delayed egress exit devices shall be Electroguard® Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Delayed egress exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.

C. Delayed egress exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Exit devices for fire labeled doors shall be UL listed as "Fire Exit Hardware".

D. The delayed egress system shall meet all requirements as set forth in ANSI/NFPA 101 Life Safety Code for Special Locking Arrangements.

E. Exit devices shall comply with UL 10C positive pressure requirements.

F. Construction:
1. Chassis shall be of heavy duty cast design with one piece drawn non-ferrous removable covers matching the material of the push and mounting rails.
2. Stamped steel chassis are not acceptable.
3. Mounting rails shall be formed from a solid single piece of stainless steel, brass or bronze no less than 0.072 inches thick.
4. Push rails shall be constructed of 0.062 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
5. Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user.
6. Metal end caps shall be formed from the same base metal as the push and mounting rails.

G. Exit devices shall have a maximum of 3 inches projection from the face of the door in the non-dogged position. When in the dogged position, the device shall have no more than a 2-1/8" projection from the door face.

H. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.

I. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.

J. Trim shall be through-bolted.

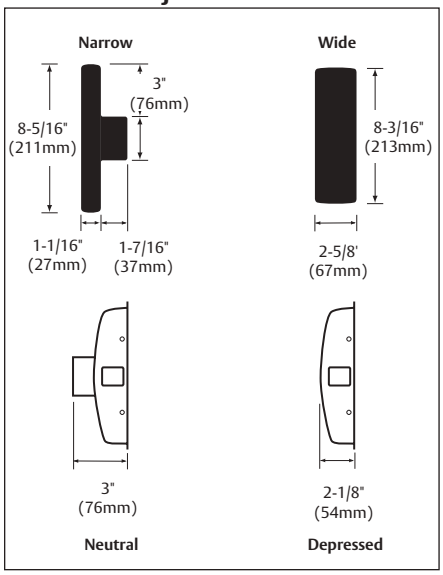
K. Devices shall be available with matching trim for both wide and narrow stile doors.

L. Exit device operating lever trim shall withstand 1100 inch pounds of torque without allowing access.

M. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.

N. Delayed egress devices shall have a two year limited warranty.

Cover Dimensions and Touchbar Projections



Finishes

ANSI/ BHMA	Finish	Description
3	Polished brass, clear coated	605
4	Satin brass, clear coated	606
9	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze - Equivalent	613E
10BL	Oxidized satin, bronze, clear coated	614
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
32	Bright stainless steel	628
32D	Dull stainless steel	630
—	Black Suede Powder Coat	BSP

Note: ** 14, 15, 26 & 26D Finishes are available on external trims only, the exit devices will be supplied in 32 or 32D accordingly. When 32 or 32D is specified, the trim will be supplied in 26 or 26D accordingly, if 32 & 32D is not available.

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Cylinders & Keying | Bored Locks | Mortise Locks | Multi-Point Locks | Door Closers | Exit Devices | Electro-mechanical | Auxiliary Locks | Healthcare Hardware | Access Control

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

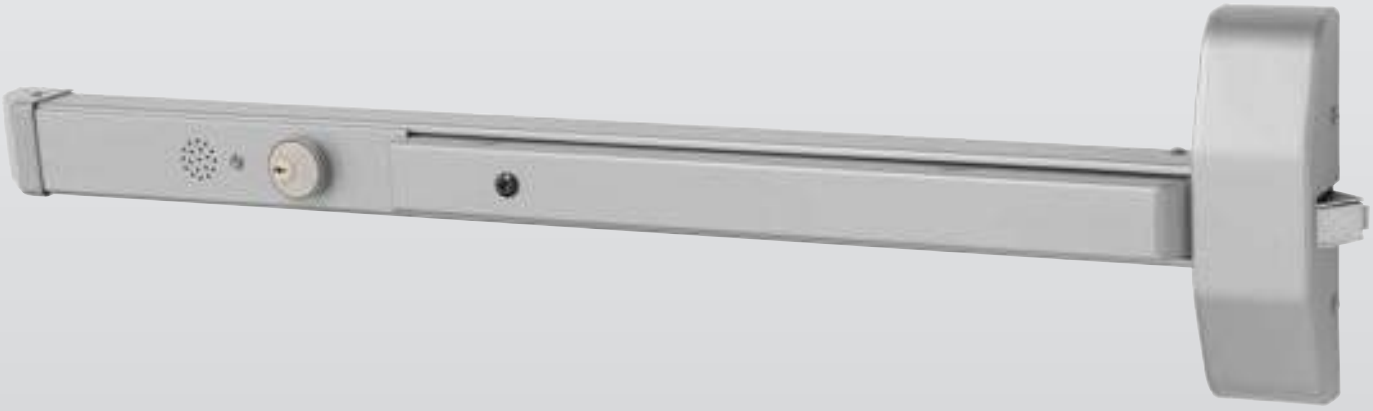
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90131 10/20

Product Catalog

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5300 Series Alarmed Exit Device



Experience a safer and more open world

Contents

5300 Series

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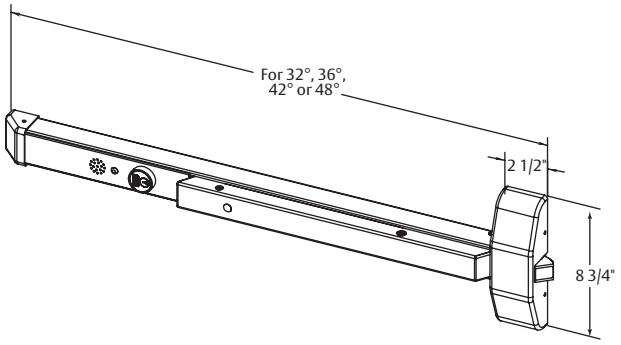
Features. 3
Functions 4
Architectural Specifications, Options, How To Order & Finishes 5

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Features

5300 Series

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SARGENT's 5300 Series alarmed exit devices are designed for areas requiring a standalone alarm on outward swinging doors. An integrated alarm in the push rail discourages the unauthorized use of emergency exits doors, with the alarm sounding immediately upon exit. The 5300 Series is ideal for rear exterior doors, door leading to a rooftop, or anywhere security is a concern.

Features

- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- UL Listed to Canadian Safety Standards
- Rail Monitoring & Guarded Latch are standard internal features
- Minimum Door Widths:
  - E-32" only; F-36"-34"; J-42"-37"; G-48"-43"
- See McKINNEY's Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Complies to ANSI/BHMA A156.3 and A117.1
- Painted finishes: EN, EB, and ERD
- Plated finishes: BSP and 32D
- Touch bar assembly and cover (5300 & 12-5300) are rolled steel, and the chassis is nonferrous alloy
- 1-3/4" thick standard with a 4-1/2" minimum stile width. Furnished with wood and machine screws
- Through-bolts and mortise nuts are available to order
- The 5300 Series come standard with the dogging feature. The 12-5300 comes standard with the less dogging (LD) option

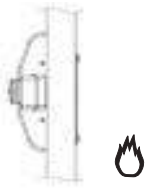
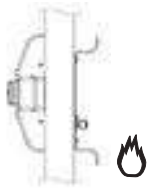
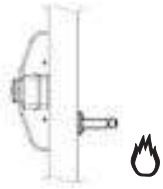
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Functions

5300 Series

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Functions marked by 🔥 symbol are available as Fire Exit Hardware.

	10 Exit only. No Outside operation.	04 Key retracts latchbolt. Activating key will cause unit to enter 15 second delay mode.	13 Key locks or unlocks lever. Activating lever will cause unit to enter 15 second delay mode.	15 Similar to 13 with no outside cylinder, lever always operative. Rotating lever will sound alarm.
Functions available for 5300 & 12-5300				
Trims available for both 5300 & 12-5300	 88-DL  53 D GTB 53 E GTB	 88-KL  53 K HTB	 88-CL	 88-LL

To cover a 161 cutout (Pull) 53 D GTB, (Cover plate) 53 E GTB or (Pull with cylinder cutout) 53 K HTB may be used. This trim is furnished with 3 mortise nuts and screws for 1-3/4" doors.

To order specify trim x finish

Example: 53 K HTB x EN


53 K HTB


53 D GTB


53 E GTB

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Specifications, Architectural Options, How to Order & Finishes

5300 Series

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Suggested Architectural Specifications

1. All alarms to be 9 volt battery powered
2. Devices to be equipped with piercing audible alarm signal
3. Forcing latchbolt will sound alarm
4. All devices to possess solid state electronics
5. All devices to be non-handed or reversible
6. Removing cover will sound alarm

How to Order 5300 Series Alarms (Trim sold separately)

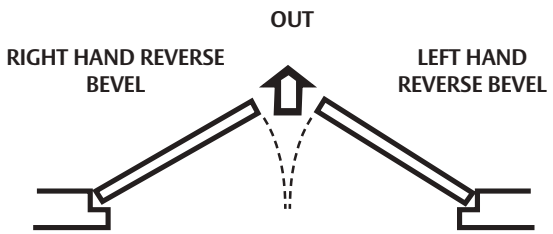
36- **Options**	5300 **Series**	13 **Function**	EN **Finish**
Listed on this page	53	04	EN, EB, ERD, 32D, BSP
		10	
		13	
		15	

How to order Trim for 5300 Series Exit Devices (Alarm Sold Separately)

Example:

11-	28-C-LL		32D
Options	**Available Trim & Function Designation**		**Available Finishes**
Listed on this page	**Lever & Rose Trim**		**Lever & Rose Finishes**
	28-K-LL (04 Function)	28-C-LL (13 Function)	BSP
	28-D-LL (10 Function)	28-L-LL (15 Function)	
	Trims & Pulls		**Finishes**
	53 K HYB (04 Function)		EN
	53 E GTB (10 Function) Exit Only		EB
	53 D GTB (10 Function) Pull		ERD

HANDING CHART



Option Descriptions and Availability

10-	Signature System
11-	SARGENT XC Key System
12-	UL Fire Label Exit Devices
21-	Construction Keying Conventional, XC and Signature Series
22-	Construction Keying Conventional Cylinders (Existing Systems Only)
36-	6 Lobe security head screws
37-	Spanner head screws
82-	Keso Security Cylinder
94-	Automatic Re-Arm
BR-	Bump Resistant Cylinder (Available with Conventional & XC Cylinders Only)
SC-	Schlage C Keyway cylinder, 0-bitted
SE-	Schlage E Keyway cylinder, 0-bitted
TB-	Through Bolts
- All Alarmed Exit Hardware includes cylinders where applicable.	

Option Descriptions

Automatic Rearming (94-Option)
The 5300 and 12-5300 equipped with spring loaded on/off switch.

- Switch returns to "on" position after removal of key
- Alarm always on
- Can be added in the field (Order part 32-7097)

Finishes

Symbol	Description
EN	Polyester Powder coated to match US28
EB	Polyester Powder coated to match US10B
ERD	Polyester Powder coated – Red
32D	Dull Stainless Steel (Rail Assemblies)
BSP	Black Suede Powder Coat

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Notes

5300 Series

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Notes

5300 Series

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90878 12/19

Product Catalog

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351 EHT/EHTD Series

Electromechanical Closer-Holder Release Devices



Experience a safer and more open world

Table of Contents

351 EHT/EHTD Series

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Applications 3
Mounting Details 4
Electrical Components 5
Arms and Components 6
Architectural Specifications and How to Order 7

The EHT Series of Electromechanical Closer-Holder Release Devices is designed to hold open fire rated doors until power is interrupted by a fire alarm condition or remote release switch. With its rugged track design, the 351 EHT Series is suitable for multiple manual operations. It is also applicable for non-rated doors such as offices or conference rooms, where the convenience of an electrically controlled closer-holder device may be desirable.

Designed for easy installation in Pull, Push and Double Egress applications, the non-handed track, closer body and dual voltage input makes it easy to specify and install. Common applications are cross corridor and stairwell doors. An auxiliary door stop is required at hold open point.

The EHT includes an ANSI/BHMA A156.4 Grade 1 hydraulic door closer and operates as one during the opening and closing cycles.

Features

- Exceeds ANSI/BHMA A156.15 requirements for manual/forced release from hold open
- Ideal for facilities with existing fire detection systems
- Conforms to standards UL 10C Positive Pressure Fire Tests of door assemblies
- UL Listed and cUL Listed to Canadian Safety Standards listed for use on fire doors
- Available in 7 finishes
- Holder
  - Fail Safe operation
  - Single point hold open adjustable from 85° to 110°
  - Adjustable holding force for easy pull or push out of hold open
  - Push, pull or double egress installations
  - Thin track design fits on 1-5/8" (41mm) frame (pull side application)
  - One piece aluminum track
  - For interior doors up to 48" (1219mm) wide
  - Non-handed track prepared for both concealed and surface wiring
  - Dual voltage: 24 VDC or VAC @ .1 Amp.
  - Terminal strip for ease of wiring
  - Maintained on/off switch
  - Self-resetting fuse on circuit boards
  - 2 year limited warranty on electromechanical track assembly
- Closer
  - SARGENT 351 ANSI/BHMA A156.4 Grade 1 Closer
  - Body is cast, one piece high strength aluminum/silicon alloy
  - 1-1/2" (38mm) piston
  - Full size 1/8" (3mm) brass adjusting valves
  - Adjustable spring power
  - Adjustable door speed valve
  - Adjustable latch speed valve
  - Adjustable backcheck valve (Auxiliary door stop required)
  - Optional delayed action valve
  - Machine and wood screws provided for 1-3/4" (44mm) thick doors
  - High impact, non-handed, non-corrosive cover
  - Cover projection 2-3/16" (56mm)
  - 10 year limited warranty on closer body

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

On The Cover

SARGENT 351 EHT Pull Side

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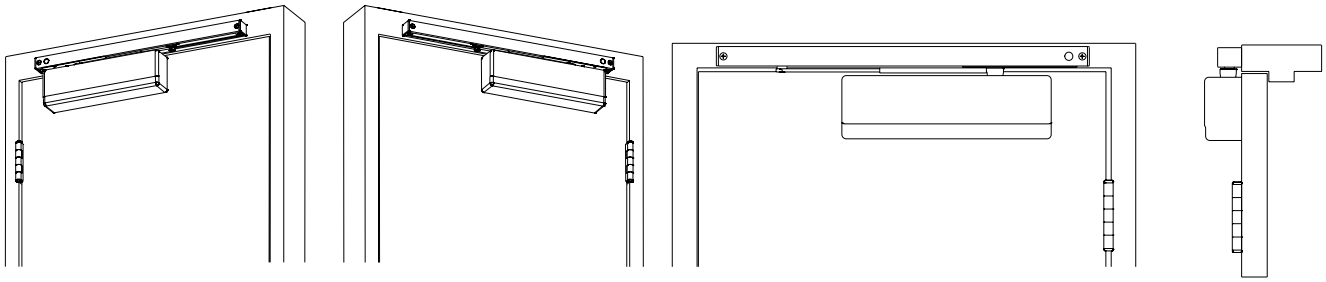
Applications

351 EHT/EHTD Series

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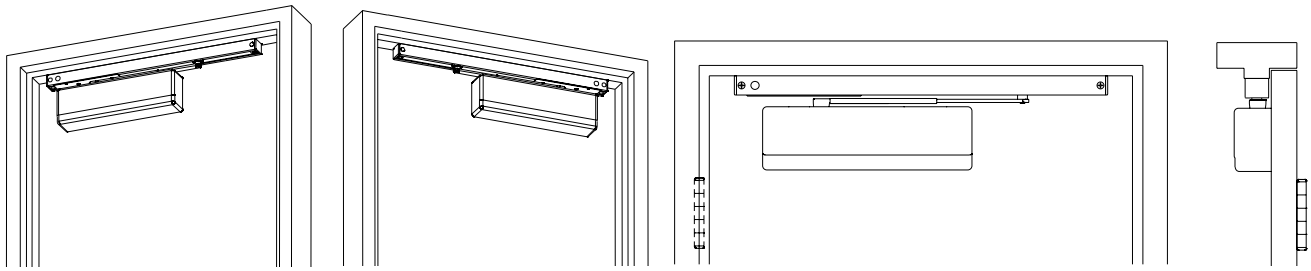
Pull Side

- Track mounted to face of frame
- 351 closer is mounted on hinge side of door
- Use on corridor or when pull side, single-point hold open is required
- Non-handed



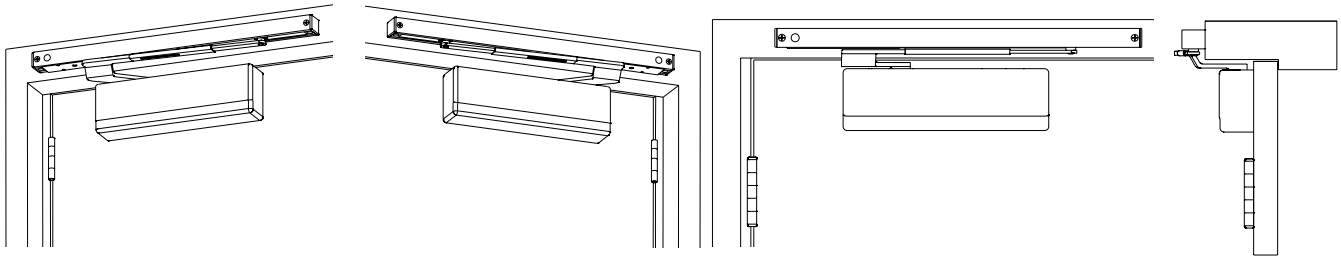
Push Side

- Track mounted to underside of the frame stop
- 351 closer is mounted to stop side of door
- Use on corridor or stairwell doors where push side, single-point hold open is required
- Non-handed



Pull Side - Double Egress

- Track mounted to face of frame
- 351 closer is mounted to hinge side of door
- Use on double egress openings when pull side hold open is required
- Double egress arm for reveal of 1/8" to 3" (3mm to 76mm) maximum
- Unit is handed



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Mounting Details

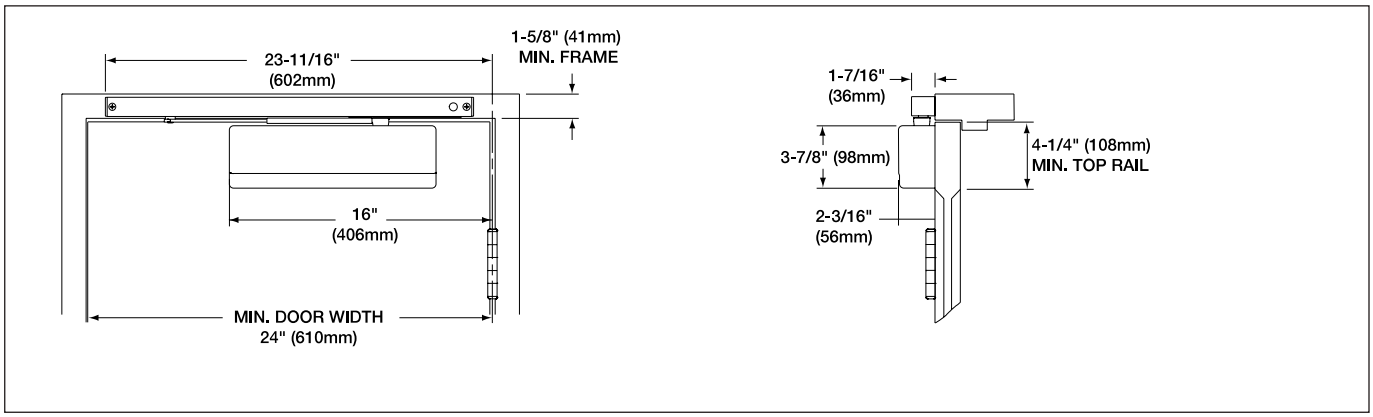
351 EHT/EHTD Series

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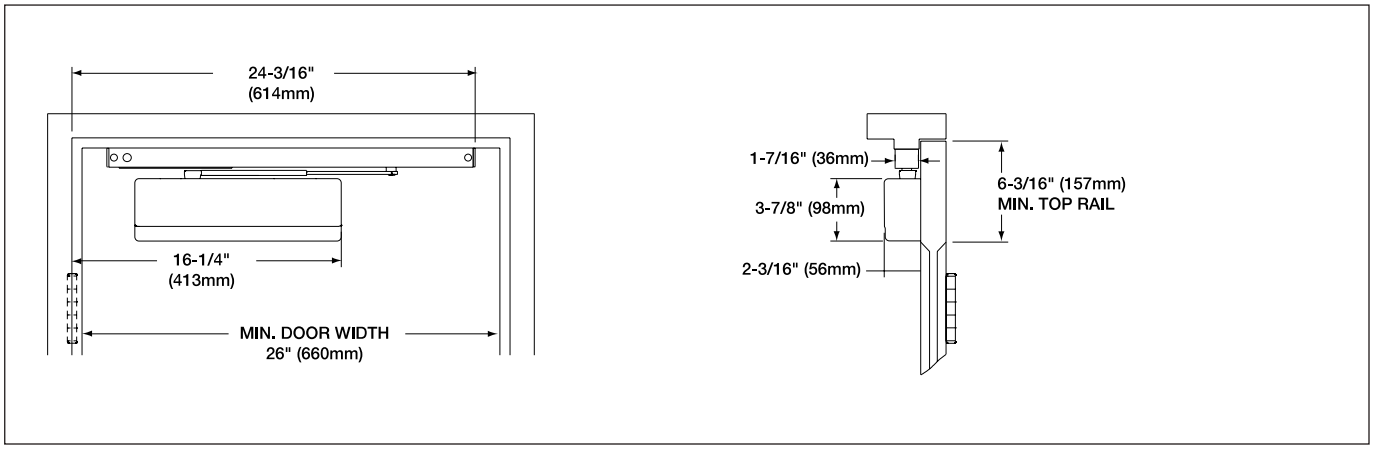
NOTES:

- Hold open adjustable from 85° to 110°
- 12 gauge reinforcements required for metal doors and frames
- Minimum stop width of 1-7/16" (36mm) for push applications
- 351-A Mounting Plate may be used for door with narrow top rail (pull application) Order separately as 351-A x finish
- 351-D Drop Bracket may be used for door with narrow top rail (push application) Order separately as 351-D x finish

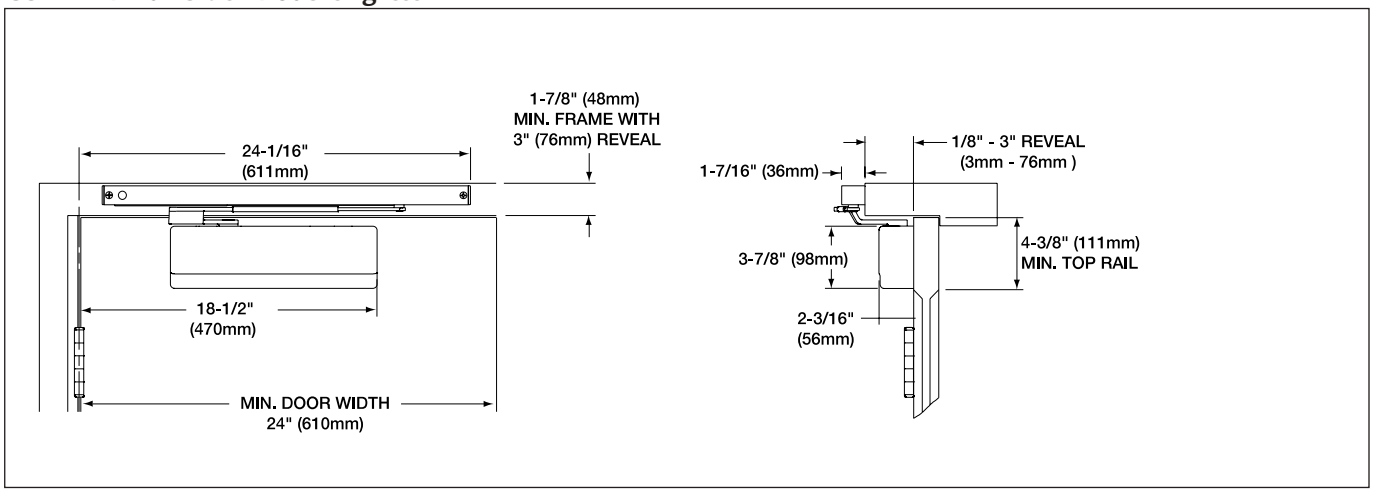
351 EHT Pull Side



351 EHT Push Side



351 EHTD Pull Side - Double Egress



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Electrical Components

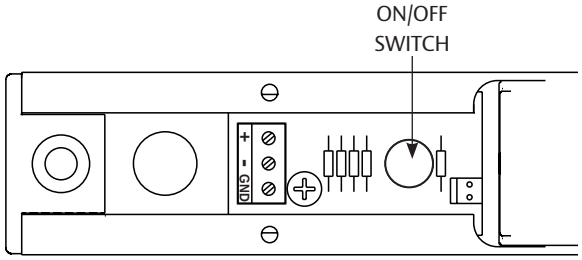
351 EHT/EHTD Series

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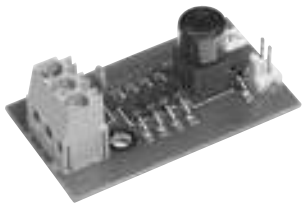
The EHT Series power requirements are 24VDC or 24VAC at 0.1 Amp.

Power Input Connections

POSITIVE (+)
NEGATIVE (-)
EARTH GROUND



63-4202



- Replacement board assembly

Switches and Transformer

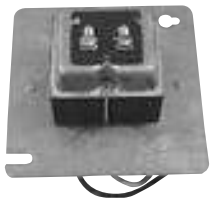
When remote release is required, SARGENT offers both key and push button switches to interrupt power to the EHT allowing the door to close. Consult Product System Manual for other switch options.

4370 Key Switch



- Allows remote or local operation of EHT
- Switch rating: SPDT maintained contact 4 Amp. @ 24VDC
- Size 41 mortise cylinder (1-1/8" [29mm] length of shell)
- Finish: 32D

52-0328 Transformer



- 24VAC output, 120VAC input
- Mounts to standard 4" junction box
- UL Listed in US & Canada for Class II applications
- Supplies power for 2 EHT units

24VDC Power Supplies:



SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

- UL Class 2 Listed
- Four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

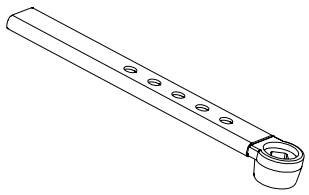
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Arms and Components

351 EHT/EHTD Series

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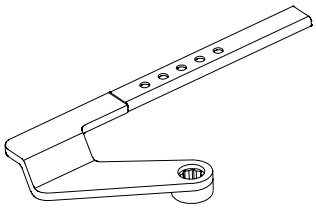
63-2874 Link Insert & Extension



- For push and pull applications

63-3057 Double Egress Main Arm

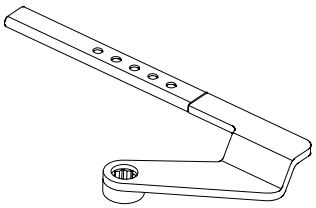
Left Hand



- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

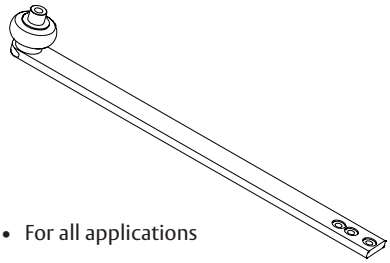
63-3056 Double Egress Main Arm

Right Hand



- For double egress doors with reveal greater than 1/8" (3mm) and less than 3" (76mm)

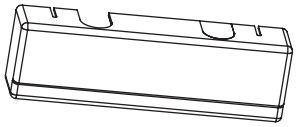
63-4206 Arm & Roller Assembly



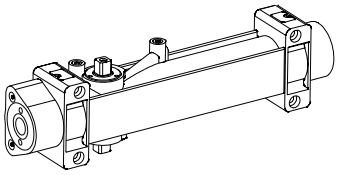
- For all applications

351-C Plastic Cover

Non-handed

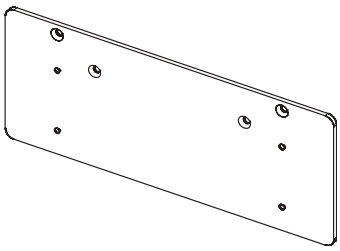


351-EHT Closer Body



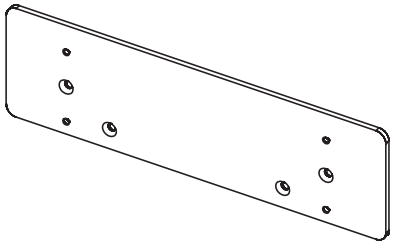
- Standard closer, 13-351
- Closer with delayed action feature, 13-351-DA

351-D Drop Bracket



- For narrow top rail push application

351-A Mounting Plate



- For narrow top rail pull application

Notes:

Screw Pack for all models, 63-4212

Specify finish when ordering arms or components.

Finishes: EB, EN, ED, EAB, EP, BSP and WSP.

Options

- 36- Option security screws
  Security TORX machine screws supplied for cover, track and spindle
- TB- Option Mortise Nuts
  Used with standard machine screws supplied for 1-3/4" (44mm) thick doors, to thru-bolt closer body to door

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Architectural Specifications & How to Order

351 EHT/EHTD Series

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Architectural Specifications

2.0 SINGLE-POINT CLOSER HOLDER RELEASE DEVICES

A. Single-point door closer holder release devices shall be 351 EHT Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Door closer holders shall be certified to ANSI/BHMA A156.15 requirements.

C. Provide door closer holders to hold doors open under normal use conditions and to release and close door upon interruption of signal from fire alarm, smoke detector or from remote release switch.

D. Door closer holders shall be UL listed (US and Canada) for use on fire doors.

E. Door closer bodies:

1. One piece door closer body shall be die cast aluminum alloy with 14% silicon minimum content.
2. Door closer body shall be certified to ANSI Grade 1 standards per ANSI/BHMA A156.4.
3. Door closer body shall be fully closed rack and pinion construction.
4. Separate adjustable closing speed, latching speed, and backcheck shall be controlled by key operated valves with no less than one eighth inch hex.
5. Valves shall be captivated and non-critical.
6. Closer cover shall be constructed of high impact plastic material of flame retardant grade secured by machine screws.
7. Door closer body shall meet the requirements of UL 10C positive pressure fire tests.
8. Door closer body shall have a ten year limited warranty.

F. Electro-mechanical holder release track assembly:

1. Devices shall include an integral electro-magnetic hold-open mechanism.
2. Track assembly will accommodate operating voltages of either 24VAC or 24VDC in the same unit.
3. Single-point hold open shall be adjustable from 85 to 110 degrees of door opening.
4. Track assembly shall include a terminal strip for ease of installation.
5. Circuit board shall contain a self-resetting fuse.
6. Track assembly shall include an on/off switch to control hold-open.
7. Two year limited warranty.

G. Door closer holders shall accommodate concealed or surface wiring standard.

H. Door closer holders shall have universal push or pull application.

How to Order

Models

351 EHT - Push or Pull, non-handed

351 EHTD - Double Egress, handed

351D EHT - Push or Pull with Delayed Action, non-handed

351D EHTD - Double Egress with Delayed Action, handed

For all models, add finish and options as needed.

Available options:

Options

36- Security TORX screw pack
TB- Mortise nuts for closer body

How to Order

Specify	Note	Example
Quantity	Number Ordered	**1 Qty.**
Options	Additional Feature Option	1 Qty. **36-**
Model	See Application Above	1 Qty. 36- **351D EHTD**
Hand	Required for EHTD (Double Egress)	1 Qty. 36- 351D EHTD **LH**
Finish	See Finishes	1 Qty. 36- 351D EHTD LH **EN**
Additional Information	Item/Heading Number, Door Number	1 Qty. 36- 351D EHTD LH EN **x Door 205**

Finishes

Finish	Description	ANSI/BHMA
EB	Sprayed bronze enamel to match 10B	690
ED	Sprayed black enamel to match 20D	693
EN	Sprayed aluminum enamel	689
EP	Sprayed bronze enamel to match 10	691
EAB	Sprayed brass enamel	696
BSP	Black Suede Powder Coat	—
WSP	White Suede Powder Coat	—

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90135 05/21

Product Catalog

SARGENT
ASSA ABLOY

SN200/210 Series

Integrated Wired Access Control

Available through Authorized Channel Partners only.
Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.



Experience a safer and more open world

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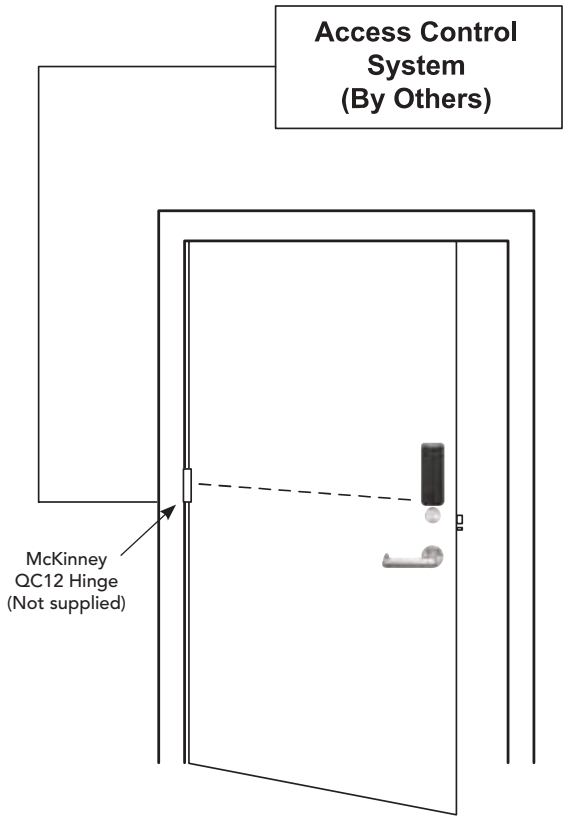
SN200/210

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

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SN200/210 Series Typical Application



On the Cover

SN200/210-82274 x LNNI Mortise Lock with the NI Studio Collection lever

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

agion

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, registered with the EPA and FDA. Microshield® is a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

EFFICIENT • FLEXIBLE • DEPENDABLE
EcoFlex®

EcoFlex™ Technology

- Reduces energy consumption up to 96% for electrified mortise locks and up to 95% for electrified exit trims, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

A SUSTAINABLE SOLUTION
GreenCircle CERTIFIED
CERTIFIED ENERGY SAVINGS®

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Overview, Features and Electrical Specifications

SN Series

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Overview

The SARGENT SN200/210 Series brings the latest in security and versatility to our Integrated Wired access control solutions. Featuring Signo Reader Technology from HID Global®, the SN200/210 Series is ideal for mixed credential environments and enables easy migration to higher security credentials and mobile access. Available with either keypad or non-keypad reader, the SN200/210 offers the convenience of using card or PIN for authentication or for added security, card plus PIN allowing dual factor authentication.

The SN200 is available with Wiegand communication protocol while the SN210 communicates via Open Supervised Device Protocol (OSDP) allowing for secure channel, serial communication between the reader and the Physical Access Control System (PACS). OSDP is rapidly becoming the industry standard due its ability to continuously monitor end-to-end wiring, protecting against tampering and "man in the middle" attacks. Featuring AES-128 encryption, OSDP provides supervised, bi-directional communication between the reader and the PACS, a requirement for U.S. Federal Government applications.

Backed by SARGENT's Grade 1 hardware, the SN Series is available in configurations for 8200 and R8200 Mortise Locks, 10 Line Cylindrical Locks, a variety of 80 Series Exit Devices including vertical rod functions, and FM7300 Multi Point devices.

SN Series Signo Reader Technology Solution

Featuring Signo Reader Technology from HID Global®, the SN Series supports multiple industry leading credentials, making it ideal for mixed credential populations and facilities transitioning to higher security credentials.

HID Mobile Access® Compatible

HID Mobile Access merges security with convenience by enabling a smartphone and other mobile devices to securely open a door. This unique solution enables Bluetooth Smart-enabled Signo readers to activate with a close range "tap" of a smartphone, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT SN Series is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install & service our technology products, including Aperio® Wireless, Integrated Wired, IP-enabled and self-configurable intelligent components:

Sold through
Authorized Channel Partner
ASSA ABLOY

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

To be installed by
Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Sophisticated Access Control Solution

- Features HID Global's Secure Identity Object (SIO™) digital credential technology to provide advanced security and performance
  - SIO digital credentials support data authenticity and privacy by binding information to a specific credential for additional authentication and encryption on top of device-specific security
- Features HID® Signo Reader Technology to support multiple credentials
  - Ideal for mixed credential environments and offers easy migration to higher security credentials and HID Mobile Access® powered by Seos®.
    - 2.4 GHz credentials:
      - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
    - 13.56 MHz credentials:
      - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1/EV2 and MIFARE Classic (on by default)
      - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
      - Apple Wallet
      - NFC-enabled mobile phones
    - 125 kHz credentials:
      - HID Prox®, AWID, EM4102
- Consolidates all components into the lock
  - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
  - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
  - Requires only one cable run from the lock to the access control panel
  - Maintains architectural integrity around the door
- Surface detection feature allows reader to sense when it is mounted on metal and automatically recalibrate to optimize read range performance
- Open architecture platform is compatible with all standard access control systems
- Aesthetically complemented by SARGENT Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware portfolio, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

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Note: HID and iCLASS are registered trademarks of HID Global Corporation.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Overview, Features and Electrical Specifications

SN Series

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Common Features of SN Series

- Keypad option for for PIN and/or credential authentication
- A hard-wired platform for use with existing compatible access control systems
- Centralized control of all locks using customer's existing access control system
- For use on exterior doors
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12- for exit devices) *
- UL Listed for Fire Doors Certified for Canada *
- Fail Safe or Fail Secure operation
- ElectroLynx® connector system reduces installation time and costs, improves reliability
- Monitoring is based on lock type selected
- Intelligent power management reduces reader power consumption by as much as 75%

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Specifications

Supplied power must be filtered and regulated

		12v		24V	
Cylindrical		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	500mA	500mA	250mA	250mA
Mortise		12v		24V	
		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	15mA	500mA	15mA	500mA
Exit Device		12v		24V	
		Average	Peak	Average	Peak
	Reader	75mA	250mA	N/A	N/A
	Actuator	15mA	500mA	15mA	500mA
	56- ELR	N/A	N/A	250mA dogged	1A inrush 600mA during retraction
Multi-Point		12v		24V	

EcoFlex™ mortise locks, exit devices, or multipoint locks:

12-24VDC Systems

- Reader draw = .125 Amp
- Peak actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

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8200 Series Mortise Locks

SN Series

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The SN Series Mortise Lock product integrates SARGENT's 8200 and R8200 Series Grade 1 mortise lock into an existing compatible access control system. The SN Series Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT's "Latched and Secure" monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

The SN Series mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses or Simpli™ roseless trim in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

Mechanical Features

- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1" hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs. Simpli™ roseless trim also available when used with an R8200 lockbody.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #41 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Features EcoFlex® technology
- SN Series 8200 Mortise Lock Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 25 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*

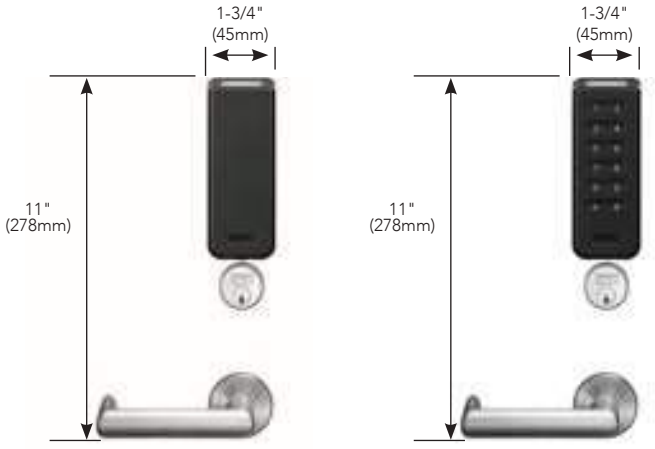
Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

*UL294 listing not available with SN 200 model. See Ordering SN Series Mortise Locks for more detail.



SN200/210-82281 shown with
MB Studio Collection Levers and LN roses

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8200 Series Mortise Locks

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SN Series Mortise Lock Functions

All SN Series Mortise Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

SN Series Mortise Lock Functions

If the lock needs to have:		Then select: Series	Type*	Function
No key override and no deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	274
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)\	82	275
No key override with deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	284
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	285
Key override and no deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	270
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	271
Key override and deadbolt	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	82	280
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	82	281

* Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

Ordering SN Series Mortise Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier	Roses	Levers	Finish	Hand
Select from pages 28-30	Select SN200 or SN210	Select from SN Series Mortise Lock Function chart above		12V or 24V	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with keypad;	BIPS: 0E for non-keypad; BIKPS: 0E with keypad;	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
Example:	SN200	R82274		12V	BIPS	0E	R	MX	03	RH
Example:	SN210	82271		12V	BKIPS	0E	R	MX	03	LHR

**With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  – To order, add the IDP- prefix to your order string

Ordering Examples

R01-IDP-SN200-82271-12V-BIPS-0E-LN-MD-26D-LHR
R04-PHR-IDP-SN210-82280-24V-BIKPS-0E-LN-MD-26D-RHR

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10 Line Cylindrical Locks

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SN Series

The SN Series 10 Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The SN Series 10 Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

Mechanical Features

- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- "Request-to-Exit (REX)" signaling standard
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard. 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Key override standard
- SN Series 10 Line Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 25 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

SN Series 10 Line Cylindrical Lock Functions

270 Fail Safe - Power off unlocks outside trim
271 Fail Secure - Power off locks outside trim

- Key outside always retracts latch
- Lever outside rigid except when trim is unlocked electronically
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features on page 8)
- 10 Line Levers and Roses are shown on page 22

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*UL294 listing not available with SN 200 model. See Ordering SN Series Cylindrical Locks for more detail.
***28- Option supplies a 4-7/8" Strike, oppose to the 2-3/4" T strike supplied standard (see page 28 for details)

10 Line Cylindrical Locks

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SN Series Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Solenoid 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

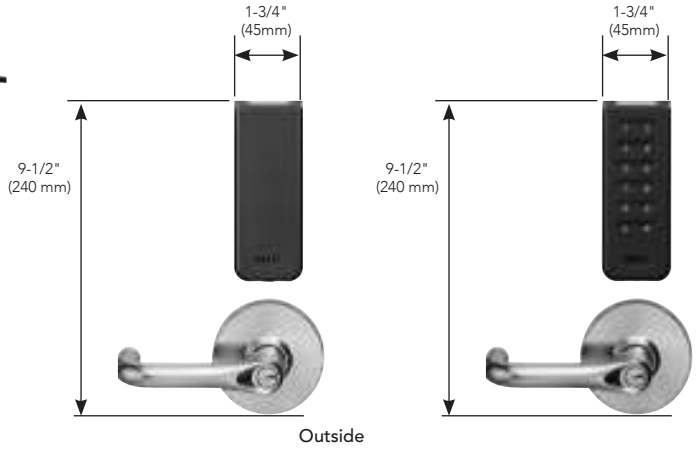
SN SeriesCylindrical Lock Functions

If the lock needs to have:		Then select:		
		Series	Type	Function
Key override	Fail Safe	SN200 (Wiegand) SN210 (OSDP)	10G	270
	Fail Secure	SN200 (Wiegand) SN210 (OSDP)	10G	271

3287 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- Contacts rated .50 Amp @ 12VDC
- Contacts rated .25 Amp @ 24VDC
- Requires 1" diameter hole





Ordering SN Series Cylindrical Locks

Options	Series	Type	Function	Solenoid**	Outside Electrical Trim	Credential Modifier	Roses	Levers	Finish	Hand
Select from page 28-30	Select SN200 or SN210	Select from SN Series Cylindrical Lock Function chart above		12V or 24V	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad;	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
28-**	SN200	10G270		12V	BIPS	0E	L	G	03	RH
Example	SN210	10G271		24V	BIKPS	0E	L	G	03	RH

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*UL294 listing not available with SN 200 model. See Ordering SN Series Cylindrical Locks for more detail.
**28- Option supplies a 4-7/8" Strike, oppose to the 2-3/4" T strike supplied standard (see page 28 for details)

80 Series Exit Devices

SN Series

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The SN Series Exit Device product selection is SARGENT's most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

Mechanical Features:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- 80 Series Levers are shown on page 22-25
- Features EcoFlex™ technology

Description of Functions: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

Concealed Vertical Rod/Surface Vertical Rod Models Feature:

- Key override is available for MD/WD/AD8600 CVR Devices (including NB-) with 106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-SN200/210-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

SN Series Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SN Series Exit Device Functions

	8900 Mortise Exit Devices			8800 Rim Exit Devices			8700 Surface Vertical Rod Exit Devices			8600 Concealed Vertical Rod Exit Devices		
												
	Mortise Exit			Rim Exit			SVR Exit			CVR Exit†		
If the lock needs to have:	Then select:											
	Series	Type	Function	Series	Type	Function	Series	Type	Function	Series	Type	Function
No key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	89	73	SN200 (Wiegand) SN210 (OSDP)	88	73	SN200 (Wiegand) SN210 (OSDP)	87	73	SN200 (Wiegand) SN210 (OSDP)	MD86/WD86 /AD86	73
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	89	74	SN200 (Wiegand) SN210 (OSDP)	88	74	SN200 (Wiegand) SN210 (OSDP)	87	74	SN200 (Wiegand) SN210 (OSDP)	MD86/WD86 /AD86	74
Key override												
Fail Safe	SN200 (Wiegand) SN210 (OSDP)	89	75	SN200 (Wiegand) SN210 (OSDP)	88	75	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–
Fail Secure	SN200 (Wiegand) SN210 (OSDP)	89	76	SN200 (Wiegand) SN210 (OSDP)	88	76	SN200 (Wiegand) SN210 (OSDP)	–	–	SN200 (Wiegand) SN210 (OSDP)	–	–

*UL294 listing not available with SN 200 model. See Ordering SN Series Exit Devices for more detail.
†8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

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80 Series Exit Devices

SN Series

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Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)

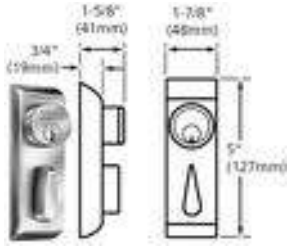
Key Override for SN Series-8600 & SN Series-8700

The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device.

Order example:
SN200-MD8674F x 12VDC x BIPS x 0E x ETL x 106 x RHR x 32D x 36" x 96

The 306 Series Auxiliary Control offers key override for 8700 Series Device (not available for NB-8700).

Order example:
SN210-8773F x 12VDC x BIPS x 03 x ETL x 306 x RHR x 32D x 36" x 84"



Ordering SN Series Exit Devices

Options	Series	Type	Function	Rail Size	Motor**	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF

** The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

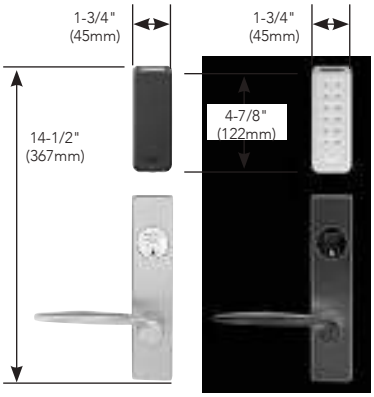
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80 Series Exit Devices

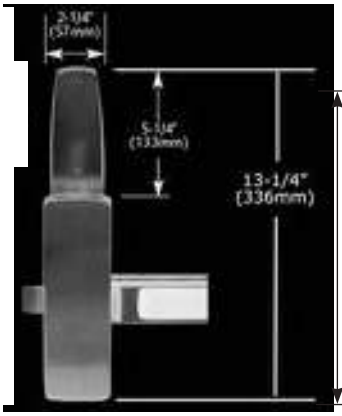
SN Series

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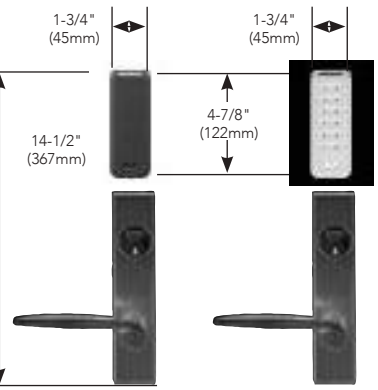
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SN Series 8800 Outside View



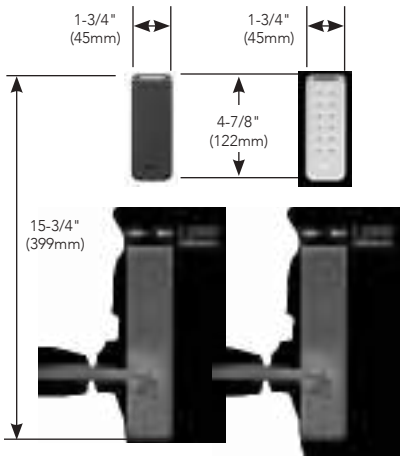
SN Series 8800 Inside View



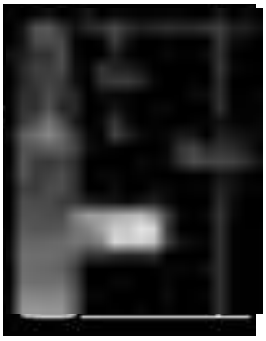
SN Series 8900 Outside View



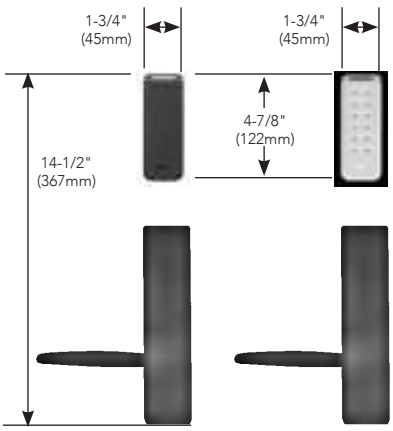
SN Series 8900
Inside View



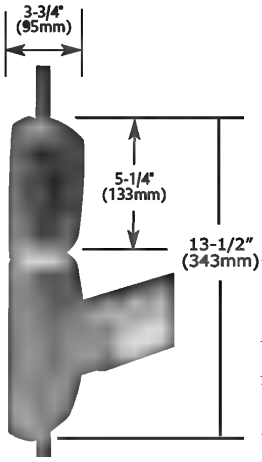
SN Series AD/MD/WD8600
Outside View



SN Series AD/MD
WD8600 Inside View



SN Series 8700 Outside View



SN Series 8700
Inside View

How to specify and order ET Trim only (without Exit Device or Reader)

Specify N1 in the order string

- For 8900 Mortise Exit Devices: N1-773 ET*, N1-774 ET*, N1-775 ET* & N1-776 ET*
- For 8800 Rim Exit Devices: N1-773-8 ET*, N1-774-8 ET*, N1-775-8 ET* & N1-776-8 ET*
- For 8700 SVR Exit Devices: N1-773 ET* & N1-774 ET*
- For NB-8700 SVR Exit Devices: N1-773-8 ET* & N1-774-8 ET*
- For All 8600 CVR Exit Devices: N1-773-4 ET* & N1-774-4 ET*

* Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Exit Windstorm Information:

- SN Series (SE Series) 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- SN Series (SE Series) WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 25 for details)
- SN Series (SE Series) WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 25 for details)
- SN Series HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 25 for details)
- SN Series HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21774 Latching Hardware and listed on Florida Building Code Website: FL12712.2 (see page 25 for details)

Cylinder Sizes & Types for SN Series Exit Devices

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

M1 Products	1-3/4" Door Thickness	1-3/4" Door Thickness with Weather Shield
SN200/210-8900 Mortise Exit	# 46 Mortise (1-3/4")	# 46 Mortise (1-3/4")
SN200/210-8800 Rim Exit	# 34 Rim	# 34 Rim
SN200/210-8700 w/306 Control SVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")
SN200/210-8600 w/106 Control CVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")

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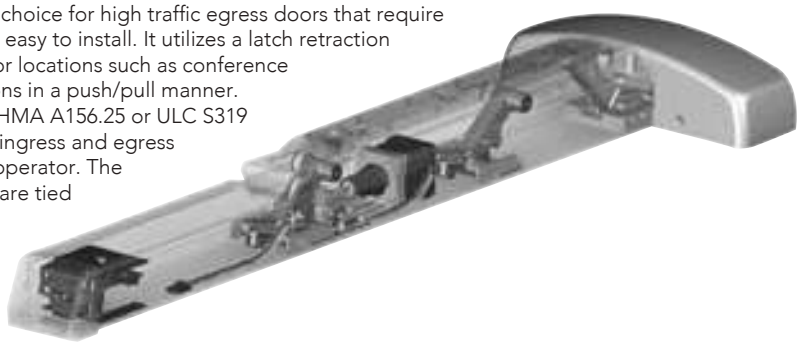
Electric Latch Retraction Option (56-)

SN Series

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SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant. The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Power Requirements (supplied power must be filtered and regulated):

  Reader: 12VDC (200 mA)

  Exit Device: 24VDC (1 A inrush 600 mA during retraction, 250 mA maintained)
- Minimum Door Widths:
  – Wide Stile Door 28"
  – Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-SN200-8913F x ETMF x 32D x 36")

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Accessories

Required

– 3520 24VDC 1 AMP Power Supply
– 3521 12VDC 1 AMP Power Supply
– Electric transfer device also required

Optional

– 881 Monitor Strike



Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging
(Hex Key or Cylinder Dogging) unless specified

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Electric Latch Retraction Option (56-)

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Ordering SN Series Exit Devices with Electric Latch Retraction

Options	Series	Type	Function	Rail Size	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Select from pages 28-30*	56-M1	Select from Exit Device Function page 14		E: 28-32"; F: 33-36"; J: 37-42"; G: 43-48"	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad	Select trim/pull design from function chart below; for ET Trim, select lever design from pages 22-25	RHR, LHR	Select from page 22	If supplied, rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail above finished floor (41" standard)
Example:	56-SN200	87	10	F	BIPS	0E	FLL	RHR	32D	36"	84"	41"

* Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 86, 87, CPC, SG. See page 28 for detailed descriptions. See pages 29 and 30 for cylinder options

Function Description and Cylinder Information	SARGENT Function #	ANSI Function #
Night latch, key retracts latch #34 cylinder for 8800 #46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS	04/44	03
Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied	06/46	09
No outside operation (no cylinder), ET Control is used as pull only	10/40	02
Key unlocks/locks trim, #41 cylinder supplied	13/43	08

Pull Trim Options

SARGENT Function Number	ANSI Function Numbers	Description Cylinder Info. (1-3/4" Door)						
04	03	Night Latch (key retracts latch)	FLL/FSL	FLW/FSW	MAL/MSL	PTB/PSB	STS	862/863/864
10	02	Pull Only (no O/S operation)	FLL	FLW	MAL	PTB	STS	862/863/864

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Electric Latch Retraction Option (56-)

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SN Series 56- Exit Device Functions

	If the trim needs to be:	 8900 Mortise Exit Devices				 8800 Rim Exit Devices				 8700 Surface Vertical Rod Exit Devices				 8600 Concealed Vertical Rod Exit Devices[1]			
		Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type[1]	Function	Rail Size	Trim/ Lever
	ET Control																
With:	Night Latch (Key retracts latch)	89	04	See chart page 13	ET x Lever	88	04	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
With:	Night Latch (Key/lever retracts latch)	89	06	See chart page 13	ET x Lever	88	06	See chart page 13	ET x Lever	87	06	See chart page 13	ET x Lever	AD86/ MD86/ WD86	06	See chart page 13	ET x Lever
With:	Dummy ET Trim (No cylinder override)	89	10	See chart page 13	ET x Lever	88	10	See chart page 13	ET x Lever	87	10	See chart page 13	ET x Lever	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever
With:	Entrance (Key locks/unlocks lever)	89	13	See chart page 13	ET x Lever	88	13	See chart page 13	ET x Lever	87	13	See chart page 13	ET x Lever	AD86/ MD86/ WD86	13	See chart page 13	ET x Lever
With:	Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	10	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever x 106

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
	Freewheeling ET Control																
With:	Night Latch (Key Retracts Latch)	89	44	See chart page 13	ET x Lever	88	44	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
With:	Night Latch (Key/lever retracts latch)	89	46	See chart page 13	ET x Lever	88	46	See chart page 13	ET x Lever	87	46	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	46	See chart page 13	ET x Lever
With:	Dummy ET Trim (No cylinder override)	89	40	See chart page 13	ET x Lever	88	40	See chart page 13	ET x Lever	87	40	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever
With:	Entrance (Key locks/unlocks lever)	89	43	See chart page 13	ET x Lever	88	43	See chart page 13	ET x Lever	87	43	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	43	See chart page 13	ET x Lever
With:	Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	40	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever x 106

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
	Pull Trim																
With:	Night Latch (Key retracts latch)	89	04	See chart page 13	FLL, FLW, MAL, PTB, STS	88	04	See chart page 13	FSL, FSW, MSL, PSB, STS, 862, 863, 864	–	–	–	–	–	–	–	–
With:	Dummy Pull (No Cylinder Override)	89	10	See chart page 13	FLL, FLW, MAL, PTB, STS	88	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	87	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	AD86/ MD86/ WD86	10	See chart page 13	862, 863, 864
With:	Auxiliary Control for Cylinder Override with 862 Pull Trim	–	–	–	–	–	–	See chart page 13	–	87	10	See chart page 13	306 x Pull (862, 863, 864)	AD86/ MD86/ WD86	10	See chart page 13	106 x Pull (862, 863, 864)

[1] 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

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7000 Series Multi-Point Vertical Rod

SN Series

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The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of the SN Series Integrated Wired locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

Features

- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Supports single or double door applications
- Features EcoFlex® technology
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)



Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Specifications

Doors:

- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

Mounting:

- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

Hand:

- Field reversible, specify RHR, LHR, RH or LH

Top and Bottom Bolts:

- Stainless steel. Top and bottom bolts travel 7/16" (11mm). Projection adjustable up to 1" (25mm)

Latching:

- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

Strikes:

- 650 Top Strike, 606 Bottom Strike, standard

Cylinder:

- #41 Mortise Cylinder

Trim Options

ER and ES controls are ET controls with back plates.

- **Back plates:**
  - Mounted between the trim and the door
  - Required for wood doors (WD-)
  - Optional for metal doors
  - May be used to cover existing door preps



How to specify and order ET Trim without a vertical rod:

For 7000 Series multi-point vertical rods:
SN200/210-706-2-ER/ES/ET*,
SN200/210-713-2-ER/ES/ET*,
SN200/210-715-2-ER/ES/ET*

*Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Key Override/Auxiliary Control

100 Series Auxiliary Control offers key override for SN Series 7000 Series.

- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

To order, add 106 or 113 to the order string after the hand designation.

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7000 Series Multi-Point Vertical Rod

SN Series

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7000 Multi-Point Vertical Rods

		Series	Type[1]	Outside Function	Inside Function
With:	Fail Safe, Night Latch (Key/lever retracts latch)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	06
	Fail Safe, Entrance (Key locks/unlocks lever)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	13
	Fail Safe, Passage Only (No cylinder)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	73	15
	Fail Secure, Night Latch (Key/lever retracts latch)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	06
	Fail Secure, Entrance (Key locks/unlocks lever)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	13
	Fail Secure, Passage Only (No cylinder)	SN200 (Wiegand) SN210 (OSDP)	70/AD70/WD70*	74	15

[1] Specify 70 for metal doors, AD70 for aluminum doors, or WD70 for wood doors.
* WD7000 Series is only available with ER and ES trim.

Ordering SN Series 7000 Series Vertical Rod Locks

Options	Series	Type	Function	Motor*	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Aux Control (optional)	Finish	Opening Height	AFF
Select from pages 28-30	SN200 or SN210	Select from 7000 Series Function Chart above		12V or 24V	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad	ER/ES/ET followed by lever designation from pages 22-25	RHR, LHR, RH, LH	106 or 113	Select from page 22	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	SN200	70	7306	12V	BIPS	0E	ETL	RH	106	26D	84"	35-7/8"

* The SN Series reader is always 12VDC. Please select either 12VDC or 24VDC for the motor.

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7000 Series Multi-Point Vertical Rod

SN Series

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Electric Latch Retraction Option (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

Electric Latch Retraction Features

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw:

  SN Series Reader:
  – 12VDC (200 mA)

  ELR 7000 Series Vertical Rod Lock:
  – 12VDC (850 mA during retraction, 250 mA maintained)
- Power Requirements: 12VDC regulated/filtered power supply (3500 Series)
- Available for 7000 series only
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Available with either keypad or non-keypad reader
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 4341 Push Button Switch (momentary)

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7000 Series Multi-Point Vertical Rod

SN Series

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7000 Series Multi-Point Vertical Rods with Electric Latch Retraction (ELR)

	Function Descriptions	Outside Functions Available	Inside Functions Available
01	Blank escutcheon plate	•	
06	Key unlocks trim; trim retracts latch; trim relocks when key is removed	•	•
10	No outside operation (no cylinder); pull only	•	
13	Classroom key unlocks/locks trim; #41 cylinder supplied	•	•
15	Passage only (no cylinder)		•
16	Key unlocks/locks trim	•	•
40	Freewheeling trim; no outside operation	•	
43	Freewheeling trim; key unlocks/locks trim	•	•
46	Freewheeling trim; key unlocks trim; trim retracts latch/trim relocks when key is removed	•	•

Ordering SN Series 7000 Series Vertical Rod Locks with Electric Latch Retraction (ELR)

Options	ELR	Series	Type	Outside Function	Inside Function	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Opening Height	AFF
Select from pages 28-30	Specify ELR option	M1	70 (metal doors) AD70 (aluminum doors) WD70 (wood doors)	Select from chart above	Select from chart above	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	IBIPS: 0E for non-keypad; BIKPS: 0E with keypad	ER/ES/ET followed by lever designation from pages 22-25	RHR, LHR, RH, LH	Select from page 22	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	ELR	SN200	70	06	43	BIPS	0E	ETL	RH	26D	84"	35-7/8"

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FM7300 Series Multi-Point Locks

SN Series

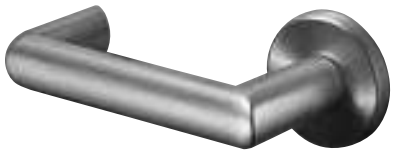
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The SN Series FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.





Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Features EcoFlex® technology
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Features

- Available with either keypad or non-keypad reader
- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

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Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

SN Series Multi-Point Lock Functions

All SN Series Multi-Point Lock Functions feature:

- Trim outside rigid except when valid credential presented
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

SN Series Multi-Point Lock Functions

	Then select:		
	Series	Type	Function
No key override with deadbolt			
Fail Safe	SN200 or SN210	FM73	284
Fail Secure	SN200 or SN210	FM73	285
Key override with deadbolt			
Fail Safe	SN200 or SN210	FM73	280
Fail Secure	SN200 or SN210	FM73	281

Ordering SN Series Mortise Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier	Rose	Levers	Finish	Hand
Select from pages 28-30	Select SN200 or SN210	Select from SN Series Mortise Lock Function chart above		12V or 24V	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
Example:	SN200	FM73284		12V	BIPS	0E	R	MX	03	RH

**With SN Series, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

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FM7300 Series Multi-Point Locks

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High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**
  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**
  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  – To order, add the IDP- prefix to your order string

Ordering Examples

R01-IDP-SN200-FM73284-12V-BIPS-0E-LN-MD-26D-LHR
R04-PHR-IDP-SN200-FM73285-24V-BIKPS-0E-LN-MD-26D-RHR

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Roseless Trim, Standard & Coastal Series Levers & Finishes

SN Series

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SN Series products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. SN Series Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). SN Series Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

Note: Exit devices are not available with roses; exits are only available with ET Trim.

Standard and Coastal Levers

Standard Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: SN200/210-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses and roseless)

Coastal Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: SN200/210-8200/R8200 Mortise Locks with Coastal Series Levers are available with CR & TR roses and roseless trim** (Not available with LN, O, CO & TO roses).

** Except C Lever

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Roseless Trim, Standard & Coastal Series Levers & Finishes

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Finishes

SARGENT offers many different finishes for SN Series products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cyl.	Exit
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	X	–	X
32D∞	Satin stainless steel	630	X	–	X
BSP	Black suede powder coat	–	X	X	X
WSP	White suede powder coat	–	X	X	X

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly
∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

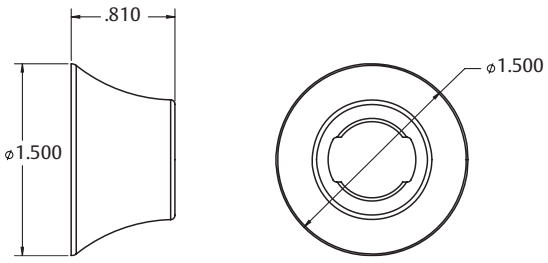
Simplí™ Roseless Trim

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí™ creates a flawless aesthetic vision on any door opening.



Simpli™ is offered on the SN Series R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the SN Series R8200 Series, Simpli™ is also available with the RDL Series tubular locks and R8200 Series mortise locks.

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- SN Series R8200 Series with Simpli™ trim is available with most 8200 functions
- Simpli™ roseless trim is available with Coastal Series (except C) and Studio Collection levers (except ML, MN, MP, MT and Gramercy levers)
- Selected levers return within ½" of the door face
- Simpli™ roseless trim is not compatible with the SN Series 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- For UL 294 requirements, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE



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Studio Collection Levers and ET Trims

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Studio Collection Levers are available with roses with the 8200 or roseless with the R8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X
Odeon Series				
MN[2,4]		Yes	X	X
MH[4]		Yes	X	X
MS[4]		Yes	X	X
MU[4]		Yes	X	X
MV[4]		Yes	X	X
NS[1,4]		Yes	X	X
NU[1,4]		Yes	X	X
MX[1,4]		Yes	X	X

1. Lever returns within 1/2" (13mm) of door face
2. Not available with roseless trim
3. Gramercy levers are customized. Refer to page 25 for ordering information.
4. Not available in 32D or 32 finish

Notting Hill Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MQ[4]		Yes	X	X
MM[4]		Yes	X	X
MY[1,4]		Yes	X	X
Rialto Series				
MO[4]		Yes	X	X
MZ[1,4]		Yes	X	X

Centro Levers				
MD		–	X	X
MJ		–	X	X
MP[2,4]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X
Gramercy Levers[3]				
RCM[2]		–	X	X
RAL[2]		–	X	X
REM[2]		–	X	X
RAM[2]		–	X	X
RAS[2]		–	X	X
RAG[2]		–	X	X
RGM[2]		–	X	X

Note: SN200/210-8200 Mortise Locks with Studio and Gramercy Levers are available with LN, CR, TR, O, TO & CO roses

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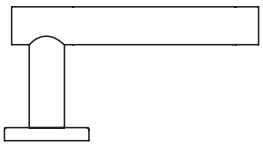
Ordering Gramercy Series Levers and Rose Designs

SN Series

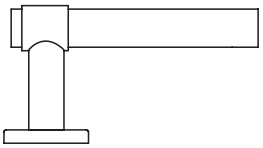
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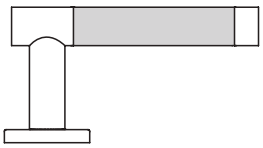
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: SN Series 8200 Series Mortise Locks with Gramercy Levers; available with LN, CR, TR, O, TO & CO roses (not available with roseless)

Options	Series	Function	Lock Voltage	Outside Electrical Trim	Credential Modifier	Rose	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
Select from pages 28-30	SN200 (Wiegand) or SN210 (OSDP)	Select from page 6	12VDC or 24VDC	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad	Select from below	Leather insert	Polished or satin stainless	Black or brown	Polished or satin stainless	RHR, RH, LHR, or LH
10-		274	12VDC	BIPS	0E	LN	RAL	29	BN	29	RH

How to Order: SN Series 80 Series Exit Devices with Gramercy Levers and ET trim

Options	Series	Type	Functions	Rail Size	Reader/ Solenoid	Outside Electrical Trim	Credential Modifier	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
Select from pages 28-30	SN200 (Wiegand) or SN210 (OSDP)	Select from 80 Series Exit Device Function chart from page 9		E, F, J or G	12VDC or 24VDC	BIPS: HID Mobile Access® Ready and Bluetooth Smart capable; BIKPS: HID Mobile Access® Ready and Bluetooth Smart capable with Keypad	BIPS: 0E for non-keypad; BIKPS: 0E with keypad	ET Series	Leather insert	Polished or satin stainless	Select from above	Polished or satin stainless	RHR or LHR	Select from page 22	
10-		89	73	F	12VDC	BIPS	0E	ET	RAL	29	BN	29	RHR	32D	36"

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Accessories, ET Lever Controls for Exit Devices, and Rose Designs

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Accessories

Wiegand Test Unit

Developed for SARGENT Harmony Series, SE LP10 and SN Series locks, the ASSA ABLOY Wiegand Test Unit verifies your installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. The WT2 unit also test key press functionality on keypad locks.

Feature	WT1	WT2
12 or 24VDC lock voltage adjustable	X	X
Operates as Fail Safe or Fail Secure	X	X
"Learn" mode allows testing of specific cards without programming at the panel level	X	X
Card reader data integrity is validated at test unit	X	X
Displays detailed Wiegand data, including the hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X
Displays key press data*		X



Wiegand Test Unit
For directions on use, see operating instructions provided with unit. Unit works only with SN200 (Wiegand).
*WT2 unit with 1.03 firmware or later is required.

Weather Seal Gasketing

- Provides a seal between outside escutcheon and the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)



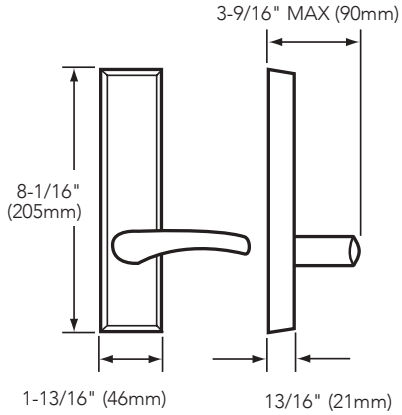
Gasket for use between the ET Trim and the door for SN Series Exit Devices

Roses

Roses	Design	Diameter	Mortise	Cylindrical
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/3/4"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

ET Lever Controls for Exit Devices

- The 700 Series ET and Lever Control is the external trim with all SN Series 80 Series exit devices
- ET Escutcheons and levers are plated brass
- Stainless steel levers are available



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Power Supplies and 10 Line Strike Options

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect SN Series hardware to the electronic access control system, the following items are required:

- SN Series mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or McKinney ElectroLynx retrofit cable
- Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKinney or SECURITRON
- McKinney ElectroLynx cable from the hinge to above the ceiling

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC12 ElectroLynx® hinges (or McKinney 12-EL-EPTL) are recommended for SN Series applications



12VDC & 24VDC Power Supplies:



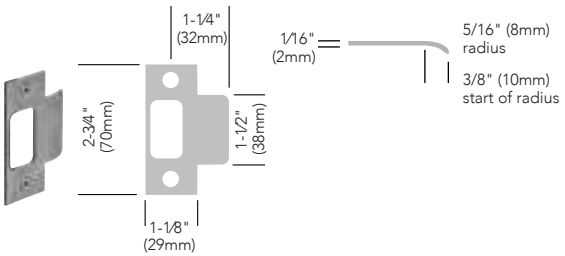
- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

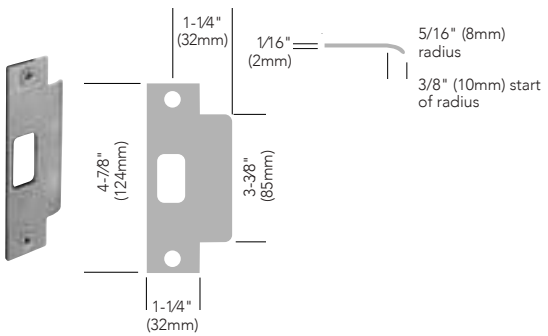
SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

SN Series-10 Line Strikes:

2-3/4" Curved Lip Strike – Standard



4-7/8" Curved Lip Strike: To order specify 28- prefix



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Mechanical Options

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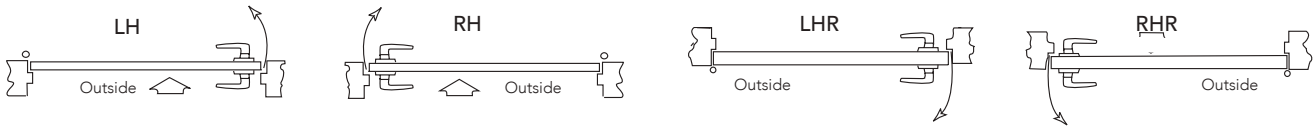
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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	12-	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Brass Bottom Bolt	14-	Sliding brass bolt bottom case (non-fire rated 8700 devices only)
Cylinder Dogging	16-	Cylinder lock down (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	19-	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	23-	3-3/4" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
Strike Options	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
Security Fasteners	36-	6 Lobe head security screws (Torx® type) (Not available with R8200 mortise locks)
	37-	Spanner head screws (Not available with Studio levers)
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	43-	Flush End Cap
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal levers and the A lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or push rail for exits) (Not available with Studio & Coastal levers)
	86-	Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio & Coastal levers)
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or push rail for exits) (Not available with Studio & Coastal Levers)
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Top Rod Only	NB-	Less bottom rod & bolt (for MD/WD/AD8600 CVR devices & 8700 SVR devices only)
SARGuide	PL-	SARGuide™ PL – Photoluminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Through-Bolts	TB-	Through-Bolts
Windstorm Options	HC-	Hurricane Code (rim and surface vertical rod exit devices only, see page 25 for details)
	HC4-	Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 25 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 25 for details)

Handing



Left Hand Door | Right Hand Door | Left Hand Reverse Door | Right Hand Reverse Door

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	DG1-	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	10-63-	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

Note: More Cylinder Options on the following page

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Cylinder Options & Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Special Cams	47-	Special Cams for mortise cylinders
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Hardware supplied less cylinder
Accept Schlage Cylinders	30-	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

Hardware	Shipping Weight	Pc. Count/Carton
SN200/210-82280/82281 x lever trim (with cylinder & DB)	11.3 lbs (5.14 kg)	1/carton
SN200/210-82270/82271 x lever trim (with cylinder)	10.8 lbs (4.91 kg)	1/carton
SN200/210-82284/82285 x lever trim (w/o cylinder & w/ DB)	10.8 lbs (4.91 kg)	1/carton
SN200/210-82274/82275 x lever trim (w/o cylinder & DB)	10.3 lbs (4.68 kg)	1/carton
SN200/210-10G270/271 with lever	9.7 lbs (4.41 kg)	1/carton
SN200/210-8973/74/75/76 with ET	22.6 lbs (10.27 kg)	1/carton
SN200/210-8873/74/75/76 with ET	20.6 lbs (9.36 kg)	1/carton
SN200/210-8773/74 with ET	27.6 lbs (12.55 kg)	1/carton
SN200/210-MD8673/74 with ET	26.6 lbs (12.09 kg)	1/carton

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Windstorm Certifications: UL Listed & Florida Building Codes

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SN Series

Sargent Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

SN Series 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SN Series 8200/R8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SN SeriesHC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

SN Series HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series HC4-8700 for single and double door applications up to 150 psf; 8'-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL12712.2

SN Series WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

SN Series WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SN Series WS8900 available for Single Hollow Metals Doors applications
  for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
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800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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IN Series

IN120 WiFi & IN220 PoE

Intelligent IP-Enabled Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

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Overview

The SARGENT IN Series brings you the next generation of IP-enabled access control in a sleek, minimalist design. With both WiFi and Power over Ethernet options, you can leverage your IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® multiCLASS SE® technology.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT IN120 and IN220 are part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

- The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.
- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant.

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FEATURES	BENEFITS	IN120 WiFi Lock	IN220 PoE Lock
Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data	■ Streamlines the installation process, reducing costs		
	■ Eliminates the need for any proprietary equipment		✓
	■ Enables real-time communication		
Utilizes IEEE 802.11 WiFi infrastructure	■ Significantly reduces installation costs		
	■ Eliminates the need for any proprietary equipment	✓	
	■ Ideal for hard-to-wire locations		
802.11b/g/n radio	■ Interoperability with other WiFi equipment	✓	
multiCLASS SE® Technology from HID Global®	■ Provides heightened security		
	■ Supports: - Multiple credential types - HID Mobile Access® powered by Seos®, for iOS® and Android™ devices"	✓	✓
Field selectable communication frequency	■ Allows you to balance security requirements with battery life	✓	
Reduced energy consumption and product sustainability measures	■ Uses significantly less power consumption in standby mode than traditional access control		✓
	■ Leverages existing network infrastructure	✓	✓
	■ Streamlined system architecture provides improved reliability and reduces materials	✓	✓
Intelligence built into lock for local decision making*	■ Lock operates regardless of network status	✓	✓*
	■ Supports up to 2,400/10,000 users**	✓	✓
	■ Provides a 10,000 event transaction history/audit trail	✓	✓
Privacy button	■ Enables shelter in place/local lockdown	✓	✓
	■ Offers privacy capabilities for applications such as restrooms		
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, exit device, and multi-point lock configurations	■ Flexibility to support various openings		
	■ Assurance of high quality SARGENT hardware	✓	✓
Superior aesthetics	■ Blends into any environment seamlessly		
	■ Designed to meet the requirements of designers and architects		
	■ Available with a wide range of finishes and decorative levers	✓	✓
	■ Suites with other IN Series locks, regardless of technology		

* Requires backup power for IN220
** Contact your access control system manufacturer for more information

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Credential Support:

Featuring HID® multiCLASS SE® technology, IN Series IP-enabled locks support the following credentials:

- Mobile Credentials:
  - HID Mobile Access® support, featuring Secure Identity Object™ (SIO) on mobile IDs (BLE and NFC)
  - LenelS2 BlueDiamond™
  - Apple Wallet Seos or DESFire® (NFC)
  - Google Pay DESFire® (NFC)
- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESfire® EV1 SE
  - MIFARE Classic
  - DESfire EV1
  - PIV/PIV-I (40-bit BCD, 64-bit, BCD, 75 bit, 128-bit or 200-bit outputs)
  - Felica
- Low Frequency (125 kHz):
  - HID Prox®
- Optional keypad
  - PIN only usage or dual authentication needs

For sites with more than one type of credential support, please contact please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

Technical Specifications

IN120

- Compatible with 802.11 b/g/n 2.4GHz wireless networks

IN220

- Conforms to IEEE 802.3af Class 1 standard, requiring less than 3.84 watts

Security:

- Optional, protocol level, 128-bit AES encryption (IN120, IN220)
- IN120 supports current WiFi network security standards, including:
  - WEP, WPA and WPA2
  - 802.1x
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE.

Software:

- Works with ASSA ABLOY IP-Enabled Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems. Email: OEMSupport_Group@assaabloy.com for assistance.

Environmental Specifications:

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: operates in condensing environments*
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

EAC Regulatory Compliance †:

- UL 294 Indoor Use
- ULC-60839-11-1, Grade 1
- BHMA A156.25

*Always refer to the installation instructions for correct procedure when installing in condensing environments

† Excludes EK series



Optional Keypad
PIN only usage or dual authentication needs

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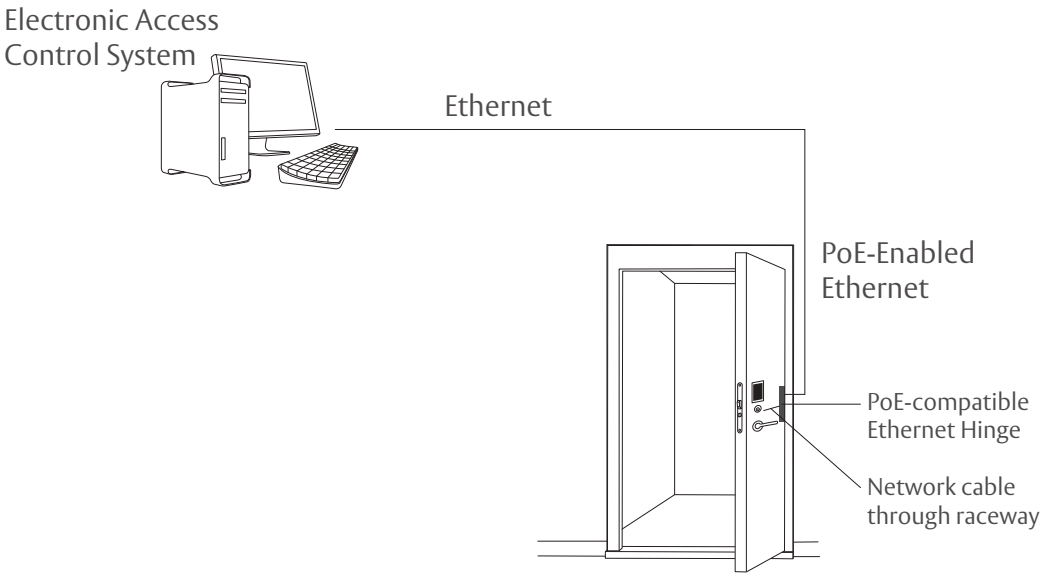
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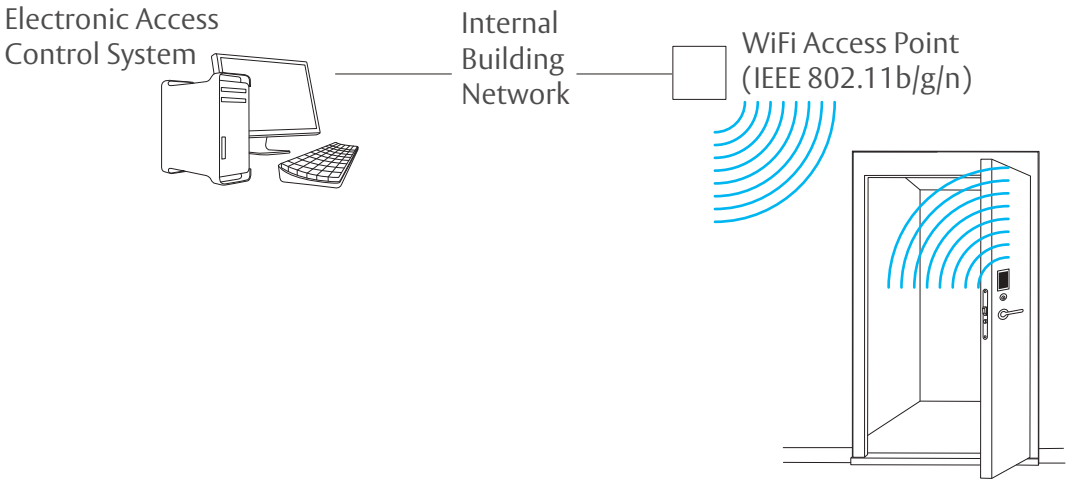
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PoE (Power Over Ethernet) System Configuration



WiFi System Configuration



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7900 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS) and tamper signaling standard
- EcoFlex® technology offers improved battery life for IN120 mortise locks

52-5373 Door Position Switch (DPS)

Supplied with IN Series mortise locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Select from the following options to order IN Series mortise locks:

Technology

120	WiFi
220	PoE

Function

7978	Key override and no deadbolt
7979	No deadbolt and no key override

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Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note:
Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

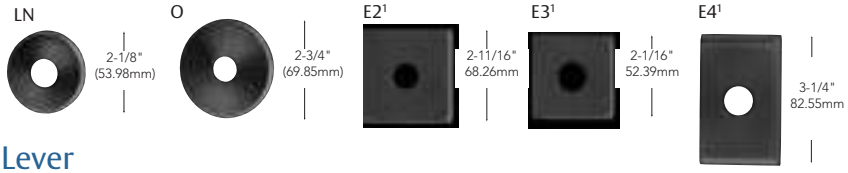
Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

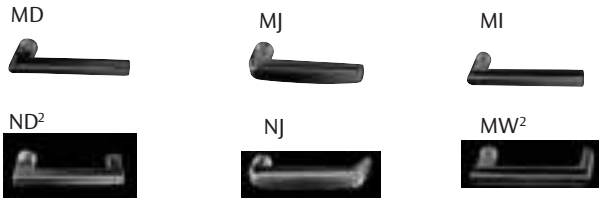
To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Rose

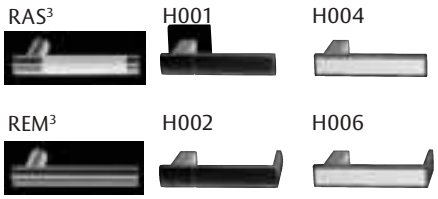


Lever

The levers shown here are some of our most popular styles from the Studio Collection.
To see the complete range of available levers, please refer to pages 29-31.



Premium Levers



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

*Metal reader trim (MB and MW) plated to match

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Technology	Function			Credentials			Reader			Rose		Lever			Finish						
IN		7	9	7																

For additional cylinder and/or mechanical options, please refer to pages 31-33. Add the desired options to the beginning of your order string.

[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.
[2] Lever returns within ½" (13 mm) of door face.
[3] Gramercy levers are customized. See page 28 for ordering information.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

8200 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 16
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch

Shipping Weight: Approx. 11 lbs.

- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

IN Series Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (integrated DPS), and tamper signaling standard

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Select from the following options to order IN Series mortise locks:

Technology

120	WiFi
220	PoE

Function

82276	Key override and deadbolt*
82278	Key override and no deadbolt
82277	Deadbolt and no key override*
82279	No deadbolt and no key override

*This function supports Escape Return.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

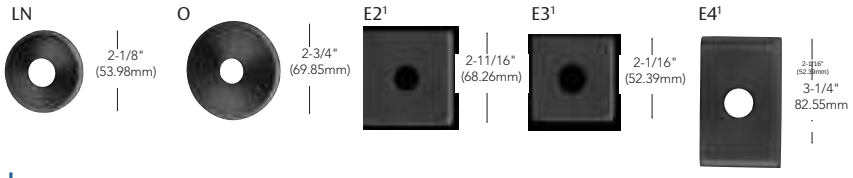
Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Rose



Suites with reader

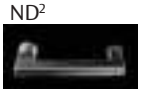
Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 29-31.


MD


MJ


MI


ND[2]


NJ[2]


MW[2]

Premium Levers


RAS[3]


H001


H004


REM[3]


H002


H006

Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

*Metal reader trim (MB and MW) plated to match

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Technology	Function					Credentials				Reader		Rose		Lever			Finish				Handing				Opening Height (Inches)	
IN		8	2	2	7																					

For additional cylinder and/or mechanical options, please refer to pages 31-33 Add the desired options to the beginning of your order string.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

7300 Series Multi-Point Locks



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent 7300 Series catalog
- Shipping Weight: Approx. 11 lbs.

IN Series Multi-Point Lock Functions

- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery (for IN120), request-to-exit (REX), Door Position (integrated), and tamper signaling standard

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MOUNTING	Supplied fasteners are for metal doors with through-bolts for trim
HAND	Handed; specify RHR, LHR, RH or LH
TOP BOLT	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
BOTTOM BOLT	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
CENTER BOLTS	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
LOCK FRONT	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
CENTER BOLT STRIKE	1/4" thick stainless steel
BACKSET	2-3/4" standard
DOOR THICKNESS	1-3/4" standard
DOOR HEIGHT	7'0" - 8'0"
MAXIMUM OPENING	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

Select from the following options to order IN Series multi-point locks:

Technology

120	WiFi
220	PoE

Function

73277	Deadbolt, no key override
73276	Key override with deadbolt

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match

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Experience a safer and more open world

IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

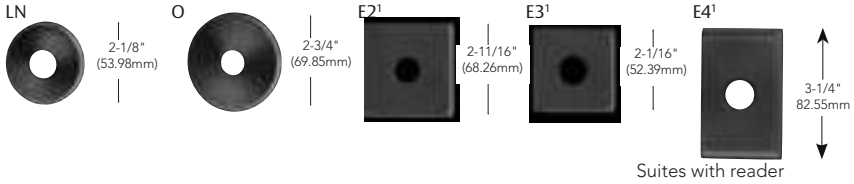
Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Rose



Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 29-31.



Premium Levers

[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

[2] Lever returns within ½" (13 mm) of door face.

[3] Gramercy levers are customized. See page 28 for ordering information.

Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

* Metal reader trim (MB and MW) plated to match

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Technology		Function						Credentials				Reader		Rose		Lever			Finish				Handing		
IN		FM	7	3	2	7	7																		

*If Windstorm or Blast is required, add the following before the function code:

FM -Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed above.
For additional cylinder and/or mechanical options, please refer to pages 31-33. Add the desired options to the beginning of your order string.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

10 Line Cylindrical Locks



Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- options

Shipping Weight: Approx. 9 lbs.



IN Series Cylindrical Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10-1 cylinder supplied
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS), and tamper signaling standard
- Door Position Switch (DPS, P/N 52-5373) supplied

52-5373 Door Position Switch (DPS)

Supplied with IN220 cylindrical locks

- SPST concealed switch (2-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN120/220 10 Line cylindrical locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

[1]To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO DOOR and CURRIES.

[2]Published in the "Florida Building Code"

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Select from the following options to order IN Series cylindrical locks:

Technology

120	WiFi
220	PoE

Function

10G77	Key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

Credentials

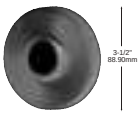
BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

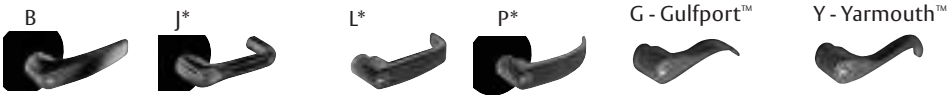
To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Rose

L



Lever



Note: Metal trim is supplied in the finish specified in the order string

Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Technology		Function					Credentials				Reader		Rose		Lever			Finish				Handing			Opening Height (Inches)	
IN		1	0	G	7	7																			

For additional cylinder and/or mechanical options, please refer to pages 31-33. Add the desired options to the beginning of your order string.

* Lever returns within ½" (13 mm) of door face

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

80 Series Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*

Shipping Weight: Approx. 11 lbs.

IN Series Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery (for IN120), request-to-exit (REX), Door Position (DPS), and tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied
- EcoFlex™ technology reduces energy consumption up to 95% as certified by GreenCircle



Mortise Exit



Rim Exit

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Select from the following options to order IN Series exit devices:

Technology

120 WiFi
220 PoE

Function

8977 Mortise lock exit device, key override
8978 Mortise lock exit device, no key override
8877 Rim exit device, key override
8878 Rim exit device, no key override

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Experience a safer and more open world

IN Series

Intelligent IP-Enabled Access Control

SARGENT ASSA ABLOY

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Rail Size

E:	24 - 32"
F:	33 - 36"
J:	37 - 42"
G:	43 - 48"

ET Trim

ET 700 Series ET Trim



Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 29-31.

MD



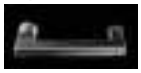
MJ



MI



ND[2]



NJ[1]



MW[1]



Premium Levers

RAS[2]



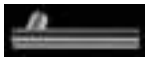
H001



H004



REM[2]



H002



H006



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

*Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly. Metal reader trim (MB and MW) plated to match

Handing

LHR	Left hand reverse
RHR	Right hand reverse

Door Width

Specify in inches

Build Your Order String

Technology	Function	Credentials	Reader	Rail Size	ET Trim	Lever	Finish	Handing	Door Width (in inches)
IN	8				E T				

For additional cylinder and/or mechanical options, please refer to pages 31-33. Add the desired options to the beginning of your order string.

[1] Lever returns within ½" (13 mm) of door face.

[2] Gramercy levers are customized. See page 28 for ordering information.

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IN Series

Intelligent IP-Enabled Access Control

SARGENT
ASSA ABLOY

Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available for double doors.

IN Series Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Function

231 Rim exit device, key override

Escutcheon

EK1 Plate for Von Duprin Retrofit Fit

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

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IN Series

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Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.

MD



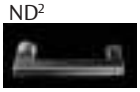
MJ



MI



ND[2]



NJ[1]



MW[1]



Premium Levers

RAS[2]



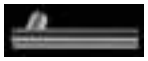
H001



H004



REM[2]



H002



H006



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LHR	Left hand reverse
RHR	Right hand reverse

*Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology		Function			Credentials				Reader			Escutcheon			Lever			Finish				Handing		
IN	120	2	3	1	B	I	P	S				E	K	1									

The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 31-33. Add the desired options to the beginning of your order string.

[1] Lever returns within ½" (13 mm) of door face.
[2] Gramercy levers are customized. See page 28 for ordering information.

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Hard Power Option (91-) for IN120



The Hard Power option (91-) is recommended for high traffic doors or openings that require online behavior. Hard powering an IN120 allows the lock to operate in an always connected mode. The IN120 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

McKinney ElectroLynx® hinges and harnesses are required for hard-powered IN120 applications.

52-4824 IN120 Adapter Cable

- Included with 91- prefix option IN120 units
- Compatible with ElectroLynx® system
- Allows for hard powering (91-) of IN120 (required for certain monitoring features)

Please note that one electrified hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.

PoE Hinges for IN220



Patented

The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.

McKinney ElectroLynx® PoE Hinges*

Description
4 ½" x 4 ½" TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½" x 4 ½" T4A3786 26D PoE (Heavy Weight 5 knuckle)

McKinney ElectroLynx® PoE Frame Harness

Cable Length	Harness Description
180"	PoE-C1500P

Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm

*See the McKinney catalog for additional finishes and hinge types

McKinney ElectroLynx® PoE Door Harnesses

Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ
All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm			

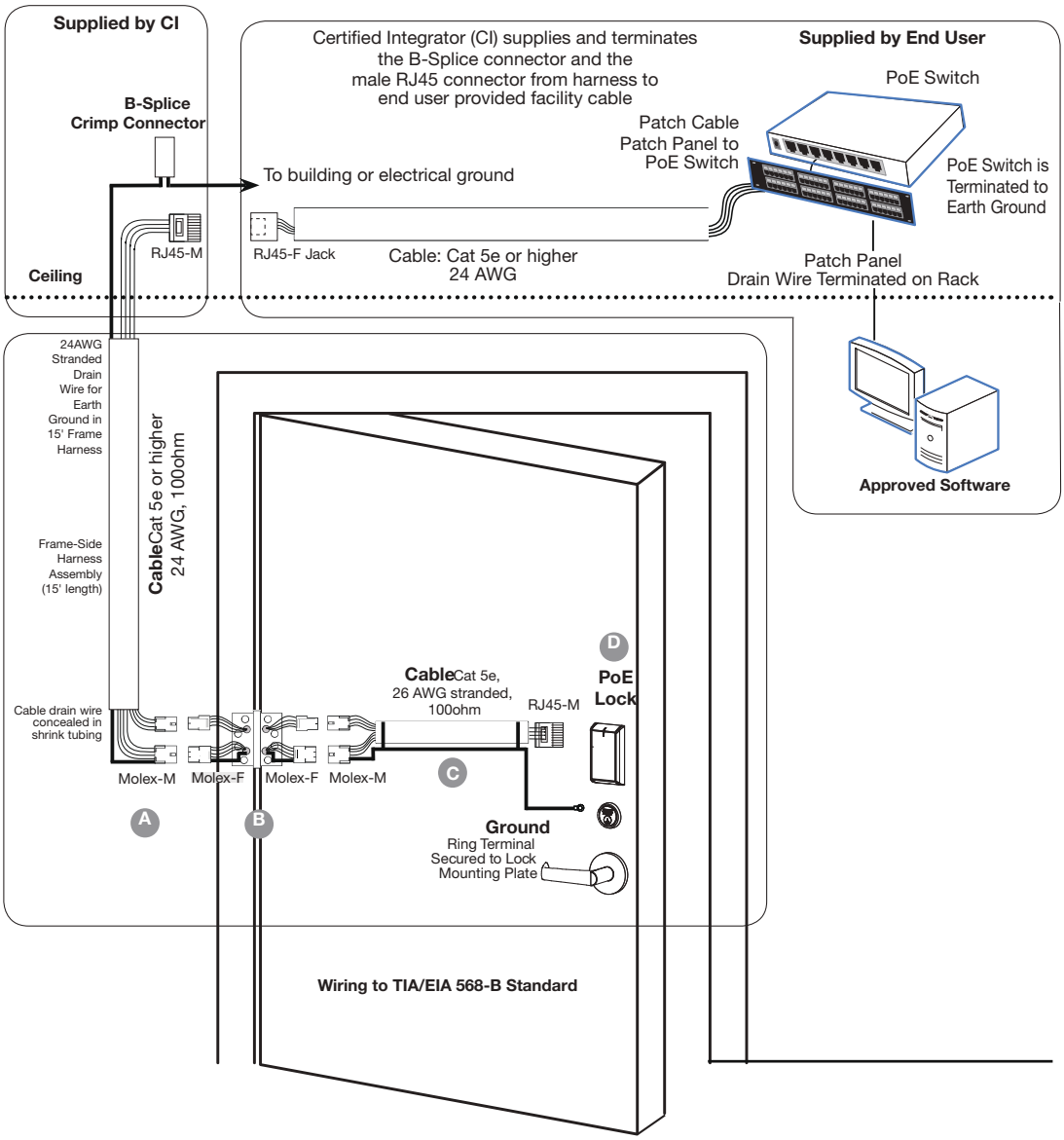
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IN220 PoE System Architecture



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Accessories and Software

Cover Plate Kits

79-5000 32D	Mortise lock, IN120/IN220-7976 (key override, with deadbolt), 32D finish
79-5001 32D	Mortise lock, IN120/IN220-7977 (no key override, with deadbolt), 32D finish
79-5002 32D	Mortise lock, IN120/IN220-7978 (key override, no deadbolt), 32D finish
79-5003 32D	Mortise lock, IN120/IN220-7979 (no key override, no deadbolt), 32D finish
10-5008 32D	Cylindrical lock, IN120/IN220-10G77 (with key override), 32D finish

WFCD1 Network and Lock Configuration Tool Kit*

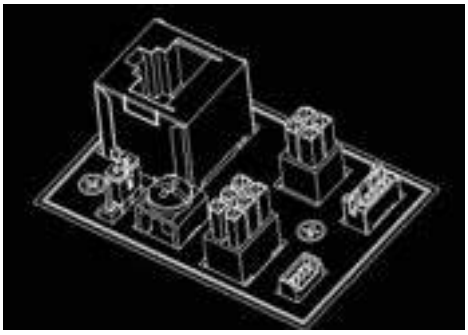
- Contains:
  - LCT software
  - Serial adapter cable (P/N 52-3956)
  - Users' manual (on CD)
  - Quick start guide
  - Configuration cards (to configure iCLASS Only Locks)
  - USB cable (P/N 52-1635)
- Required to configure network settings of IN220 locks

DHTA Power over Ethernet (PoE) Cable and Data Hinge Test Adapter for IN220

Developed for troubleshooting SARGENT PoE locks, the ASSA ABLOY PoE cable and data hinge test adapter verifies your PoE installation in the field. Sold as a kit containing two test adapters, it allows you to verify proper wiring from the door frame to the PoE data hinge and lock, or test the frame, hinge or door cables independently. This test tool helps answer the question "Is the problem in the lock or in the wiring to the lock?" and will save you troubleshooting time.

The DHTA works in conjunction with the following products or their equivalent, provided by others:

- BK Precision model 231A
- FLUKE DTX 1800 CableAnalyzer™
- Two (2) Category 5e patch cables, each (10) feet in length



* The Network and Lock Configuration CD Tool Kit (WFCD1) is required to set up IN120 and IN220 locks. Only one is required per system. Lock Management Tool or a compatible system is also required.

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Lock Management Tool



Lock Management Tool™ (LMT) allows programming, interrogation and overall management of ASSA ABLOY PoE locks from a centralized location for up to 50 doors. The application facilitates communication from a computer to the locks via IEEE 802.11af PoE infrastructure. The LMT program allows an administrator to establish multiple user types, time zones, holidays, user groups, auto-unlock periods and to obtain transaction history from all locks connected to the system. LMT consists of a server based installation (a small workstation will be sufficient) with most of the daily administration and configuration being done through a web browser. A local client on the server can be used for more complex configuration tasks.

Features:

- Password protected database
- User database size based on local hardware configuration
- Allows for creation of user groups
- Easy to follow data entry
- Real-time clock with date and time
- Sixteen different time zones
- Holiday support
- Auto-unlock schedule with or without "first in" unlock
- Allows viewing of system wide events and history (total number of events based on local hardware configuration) – includes event type, date, time, user ID and name
- Configurable for all major HID® Prox 125 kHz or iCLASS® 13.56 MHz card formats
- Scheduler utility to establish lock communication at pre-defined intervals
- User manual included
- Browser-based user interface
- Simple drag-and-drop configurations
- Basic alarm monitoring

Requirements:

- Hardware:
  - Screen: 800 x 600 required; 1024 x 768 Recommended
  - Network Card required
  - CD-ROM required
  - Memory: 4 GB minimum, 8 GB+ recommended for servers
  - Storage: 50 GB available or more as needed
  - Processor: 2 GHz or faster Dual-core minimum
- Supported Operating Systems:
  - Windows 10 Pro & Enterprise (Home editions of Windows are not supported)*
  - Windows Server 2012, 2012R2, 2016 & 2019
- Supported Databases: Microsoft SQL Server 2012 to 2019
  - Installed with Mixed Mode authentication enabled as installer requires a SQL sysadmin account.

Note: IP address must be assigned by authorized network administrator and PC must utilize a static IP address.

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WFCD2 Lock Management Tool (LMT) 25 Door License

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 25 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

WFCD3 Lock Management Tool (LMT) 50 Door License

- Lock Management Tool™ allows programming, interrogation and overall management from a centralized location of up to 50 doors
- License is included and is obtained at time of installation
- Download from IntelligentOpenings.com

Integration Tools for ASSA ABLOY Locks

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our IP-enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

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IN Series

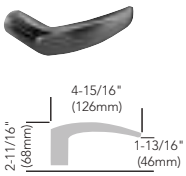
Intelligent IP-Enabled Access Control

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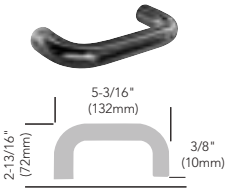
Standard Levers (7900 Mortise Locks)

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face
- Levers BB, BL, BJ & BP are only available with the O rose

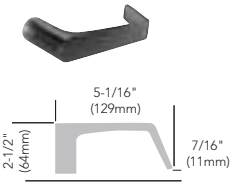
BB



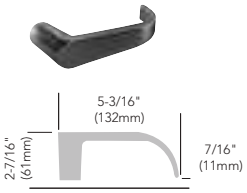
BJ



BL



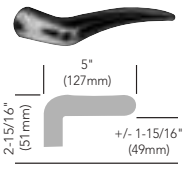
BP



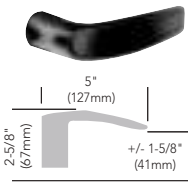
Standard Levers (8200 Mortise Locks, 80 Series Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

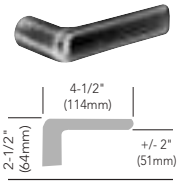
A



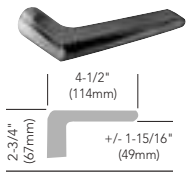
B



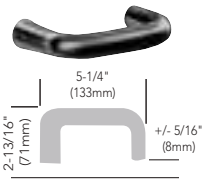
E



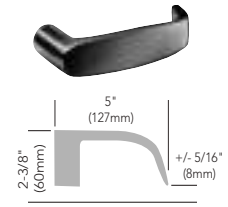
F



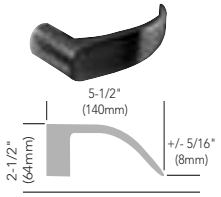
J



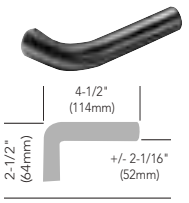
L



P



W



Standard lever options are only available with O roses.

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IN Series

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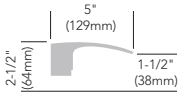
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Standard Levers (10 Line Cylindrical Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs C, J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

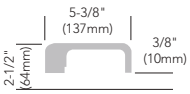
B





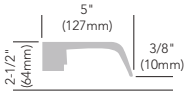
J





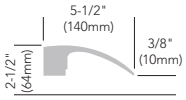
L





P



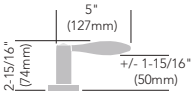


The Coastal Series™ (Mortise Locks, Cylindrical Locks - Gulfport and Yarmouth only, or Exit Devices, and 7300 Series Multi-Point Locks)

- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

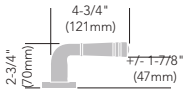
G - Gulfport™ (Handed)





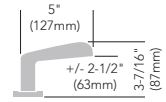
R - Rockport™





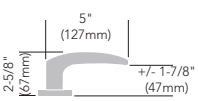
S - Sanibel™ (Handed)





Y - Yarmouth™ (Handed)





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Experience a safer and more open world

IN Series

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exits Devices, DL, RDL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Wooster Square Series

H001 H002[2] H003 H004 H005[2] H006[2]



Aventura Series

MB ME MF NF MG MI MW[2]



Gramercy Series[3]

RCM RAL REM RAM RAS RAG RGM



Centro Series

MD MJ MP[1] ND[2] NJ[2]



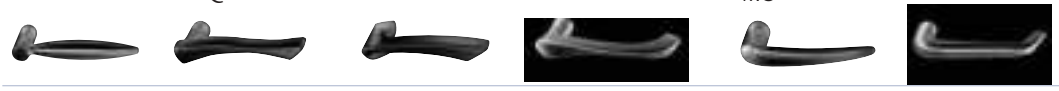
Odéon Series[1] (Handed Levers)

MN MH MS MU MV MX NS[2] NU[2]



Notting Hill Series (MA and MO are Non-Handed Levers)

MA MQ MT MY[2] MO MZ[2]



Berlin Series

H015 H016[2] H017 H018



Grant Park Series (H008 is handed)

H007 H008 H009 H010 H011



[1] Contact factory for current lead times. Not available in stainless steel finishes.
[2] Lever returns within 1/2" (13mm) of door face
[3] Gramercy levers are customized. See page 34 for ordering information

Note: H003 - H006 contains white or black polycarbonate insert

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Standard Roses

L



5/16" (8mm)
3-1/2" (89mm)

O



5/16" (8mm)
2-3/4" (67mm)

E (Handed)



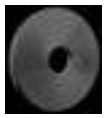
5/16" (8mm)
3-1/16" (78mm)

LN



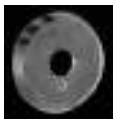
5/16" (8mm)
2" (51mm)

SL



5/16" (8mm)
3-1/2" (89mm)

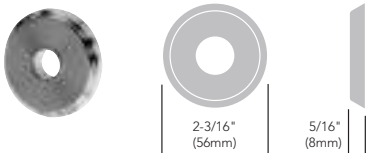
BH



7/16" (11mm)
3" (76mm)

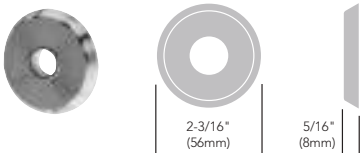
Coastal Series Roses

TR Traditional Rose
(Dual radii edge)



2-3/16" (56mm)
5/16" (8mm)

CR Contemporary Rose
(Beveled edge)



2-3/16" (56mm)
5/16" (8mm)

Available Finishes

03 Polished Brass



04 Satin Brass



09 Polished Bronze



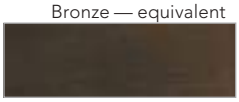
10 Satin Bronze



10B Oxidized Bronze



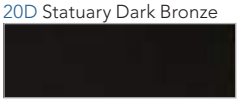
10BE Dark Oxidized Satin Bronze — equivalent



10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



14 Polished Nickel



15 Satin Nickel



26 Polished Chrome



26D Satin Chrome



32 Polished Stainless Steel



32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



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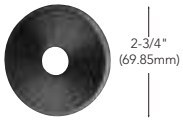
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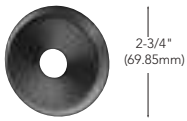
Studio Collection Trim

Roses (7900, 8200, and 7300 Series Multi-Point Locks)

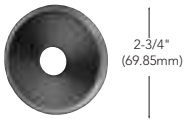
O



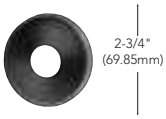
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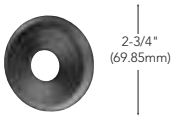
TO



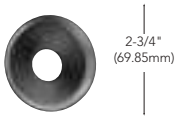
LN



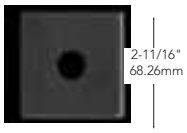
CR



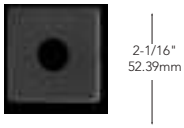
TR



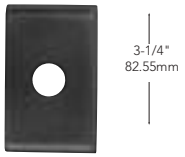
E2[1] (Handed)



E3[1] (Handed)



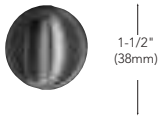
E4[1] (Handed)



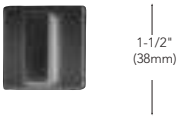
Thumbturns (7900, 8200, and 7300 Series Multi-Point Locks)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

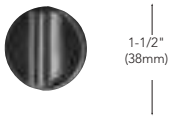
T1



T2



T3



[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

Available Finishes

03 Polished Brass



04 Satin Brass



09 Polished Bronze



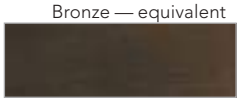
10 Satin Bronze



10B Oxidized Bronze



10BE Dark Oxidized Satin Bronze — equivalent



10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



14 Polished Nickel



15 Satin Nickel



26 Polished Chrome



26D Satin Chrome



32 Polished Stainless Steel



32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



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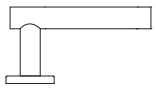
IN Series

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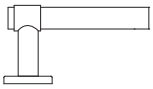
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Ordering Gramercy Series Levers

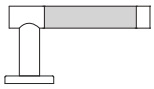
REM, RGM



RCM



RAG, RAL, RAM, RAS



Gramercy Finish Codes

BHMA FINISH	SARGENT FINISH	GRAMERCY CODE	DESCRIPTION
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions and Available Finishes

LEVER DESIGNATION	LEVER DESCRIPTION	AVAILABLE FINISHES (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

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Replacement Parts

Reader Modules**[1]

PART NUMBER	DESCRIPTION
IN120-EM01-[credentials]-[reader]	See below for credentials and reader code

Credentials

BIPS	HID Prox®, iCLASS®, iCLASS SE®,iCLASS® Seos®, SIO on MIFARE® Classic, SIO on MIFARE DESFire® EV1 MIFARE Classic, MIFARE DESFire EV1, HID Mobile Access, Apple Wallet, Google Pay
BIKPS	All credentials supported by the BIPS option plus keypad.
IPV	Supports PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit BCD or 200-bit outputs).
IKPV	All credentials supported by the IPV option plus keypad
BCP/BCKP	Options supporting FeliCa credentials. Contact Transact for more details.
DIPS/DIKPS*	Options supporting LenelS2 BlueDiamond™ mobile credentials.

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

*Orderable through LenelS2 only

To order locks with site keys preloaded with HID Mobile Access, Seos Elite, Apple Wallet, or Google Pay mobile credential support, please refer to the site-specific credential ordering guide.

Replacement Kits

PART NUMBER	DESCRIPTION
IN120-EM07-B	WiFi replacement kit (controller, plate, cover); black
IN120-EM07-W	WiFi replacement kit (controller, plate, cover); white
IN120-EM07-MB-[finish][2]	WiFi replacement kit (controller, plate, cover); black with metal trim
IN120-EM07-MW-[finish][2]	WiFi replacement kit (controller, plate, cover); white with metal trim
IN220-EM07-B	PoE replacement kit (controller, plate, cover); black
IN220-EM07-W	PoE replacement kit (controller, plate, cover); white
IN220-EM07-MB-[finish][2]	PoE replacement kit (controller, plate, cover); black with metal trim
IN220-EM07-MW-[finish][2]	PoE replacement kit (controller, plate, cover); white with metal trim

Inside Escutcheon[1]

PART NUMBER	DESCRIPTION
IN120-EM02-B	Black
IN120-EM02-W	White
IN120-EM02-MB-[finish][2]	Black with metal trim
IN120-EM02-MW-[finish][2]	White with metal trim

52-5373 Door Position Switch (DPS)[1]

DESCRIPTION
SPST concealed switch (2 wire)
Metal door adapter included
3/8" diameter for wood door
3/4" diameter for metal door
Supplied with IN120/IN220 (all locks except 8200 & FM7300)

Controllers & Controller Mounting Kit

PART NUMBER	DESCRIPTION
IN120-EM03	WiFi Controller
IN220-EM03	PoE Controller
IN120-EM04[1]	Inside Mounting Kit (mounting plate and hardware)

Lockbodies[1]

PART NUMBER	DESCRIPTION
IN120-7976-[finish][2]-[handing]	7900 mortise lockbody with deadbolt and cylinder
IN120-7977-[finish][2]-[handing]	7900 mortise lockbody with deadbolt (no cylinder)
IN120-7978-[finish][2]-[handing]	7900 mortise lockbody with cylinder (no deadbolt)
IN120-7979-[finish][2]-[handing]	7900 mortise lockbody only (no deadbolt, no cylinder)
IN120-82276-[finish][2]-[handing]	8200 mortise lockbody with deadbolt and cylinder
IN120-82277-[finish][2]-[handing]	8200 mortise lockbody with deadbolt (no cylinder)
IN120-82278-[finish][2]-[handing]	8200 mortise lockbody with cylinder (no deadbolt)
IN120-82279-[finish][2]-[handing]	8200 mortise lockbody only (no deadbolt, no cylinder)
10-3407-5400	Cylindrical lockbody, standard cylinder
10-3412-5400	Cylindrical lockbody, LFIC
10-3417-5400	Cylindrical lockbody, SFIC

[1] Reader modules, inside escutcheons, mounting kit, lockbodies, and door position switch can be used for both IN120 and IN220

[2] Specify finish

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Mechanical Options

STRIKE OPTIONS	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 Line only)
	WBS-	Wrought Box Strike
10 LINE BRACKET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
SECURITY FASTENERS	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" LATCH THROW	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
TACTILE WARNING OPTIONS	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
THUMBTURNS (SEE PAGE 17)	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen

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Cylinder Options

CONVENTIONAL CYLINDER	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
SIGNATURE KEY SYSTEM	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
SIGNATURE: LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- KEY SYSTEM	11-	XC Key System (not available with 10-, 10UL, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- SMALL FORMAT INTERCHANGEABLE CORE	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose) (10 Line J lever not available)
CONSTRUCTION KEY SYSTEMS	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
OLD STYLE REMOVABLE CORE	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

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Cylinder Options

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 Line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
KESO & KESO F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
BUMP RESISTANT	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
LESS CYLINDER	LC-	Hardware supplied less cylinder
ACCEPTS SCHLAGE CYLINDERS	30-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

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Cylinder Options

DEGREE CYLINDERS	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90829 05/21

SARGENT
ASSA ABLOY



IN100

Aperio® Wireless Access Control

Available through Authorized Channel Partners only.

Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

aperio

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Shown on cover:

IN100-7976-IP-MW-E4-H005-LHR

Overview

The SARGENT IN100 lockset brings you the next generation of wireless access control in a sleek, minimalist design. Leverage your EAC or IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of HID® multiCLASS SE® technology.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT IN100 is part of a stream of new ASSA ABLOY products that integrate with a facility's access control system. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

- The Authorized Channel Partner (ACP) program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.
- The Certified Integrator (CI) program provides hands-on training for security systems integrators and network administrators.

Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant.

For architectural specifications, consult your Door Security Solutions Representative.

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FEATURES	BENEFITS
Utilizes IEEE 802.15.4 wireless communication	■ Eliminates the greatest cost and inconvenience of wired access control - the wiring around the door ■ Leverages EAC or IP infrastructure ■ Ideal for hard-to-wire locations
multiCLASS SE® Technology from HID Global®	■ Provides heightened security ■ Supports: – A wide range of credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials – HID Mobile Access® powered by Seos®, for iOS® and Android™ devices
Real-time communication	■ Alarms and events are communicated in real time to the EAC system ■ Access decisions are determined in real time by the EAC system ■ Schedules and door states can be initiated/changed in real time*
Centralized decision making	■ System capacities bounded by the EAC system, not the locking device ■ Access decisions based on current EAC system information
Privacy button*	■ Allows shelter in place/local lockdown ■ Enables privacy capabilities for applications such as restrooms
Smart Credential Cache	■ Allows previously authorized credentials to be granted access when the EAC infrastructure is offline for any reason ■ Can be enabled/disabled ■ Programmable cache size/validity time
Integrated ANSI/BHMA Grade 1 hardware, available in cylindrical lock, mortise lock, multi-point, and exit device configurations	■ Flexibility to support various openings ■ Assurance of high quality SARGENT hardware
Superior aesthetics	■ Blends into any environment seamlessly ■ Designed to meet the requirements of designers and architects ■ Available with a wide range of finishes and decorative levers ■ Suites with other IN Series locks, regardless of technology

* Access Control Partner software dependent. Contact your local ASSA ABLOY Integrated Solutions Specialist for more information.

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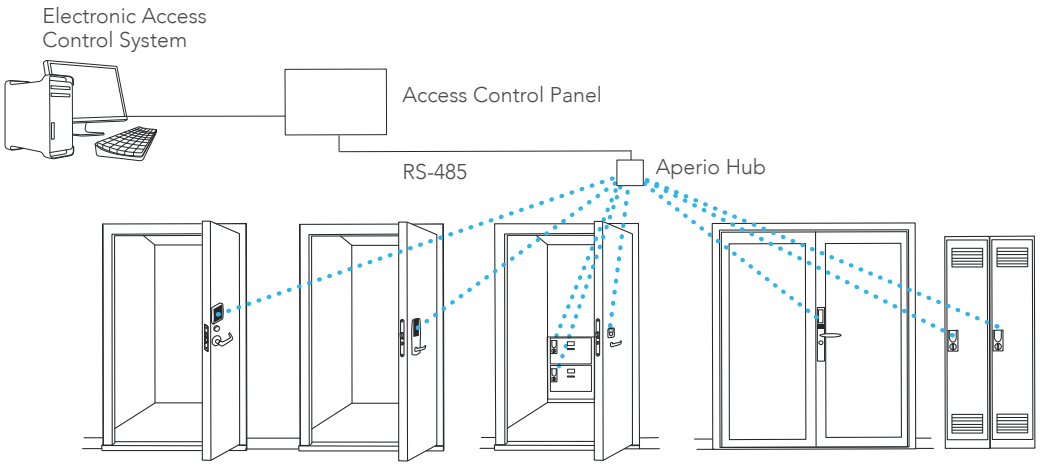
SARGENT® ASSA ABLOY

An innovative new approach to online access control

Aperio® technology is a global wireless platform that reduces the cost and inconvenience of traditional access control, with the flexibility to address any application.

Aperio utilizes local wireless communication between the lock and a communications hub to connect to an electronic access control system. You can easily expand the reach of existing access control systems and secure openings that would otherwise go unprotected.

With the global range of Aperio-enabled locks from ASSA ABLOY, online access control can be easy and cost-effective at any opening, with standardization across locations worldwide.



IP hub also available for direct connection to IT infrastructure

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Credential Support:

HID® multiCLASS SE® technology offers support for the following credentials:

- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESFire® EV1 SE
  - MIFARE Classic
  - DESFire EV1
  - PIV/PIV-I (40-bit BCD, 64-bit BCD, 75 bit, 128-bit or 200-bit outputs)
- Low Frequency (125 kHz):
  - HID Prox®, AWID, EM4102
- NFC & BLE-enabled Mobile Phones:
  - HID Mobile Access (BLE and NFC)
  - Seos Apple Wallet (NFC)

Security:

- AES 128-bit encryption
- For specific security information, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-Wire.

Software:

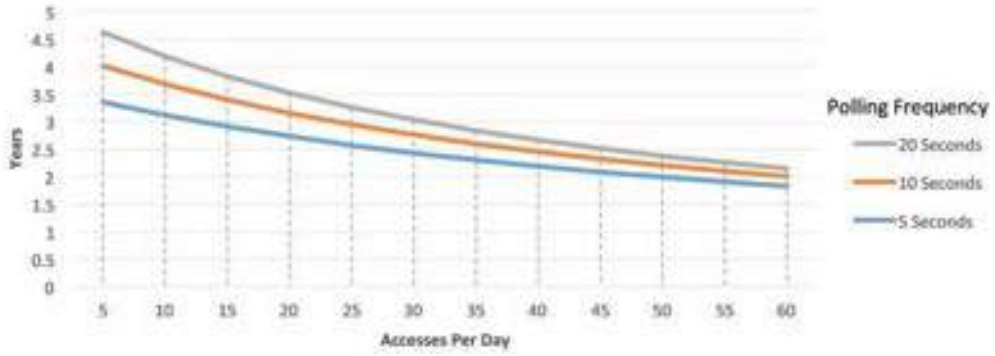
- Works with ASSA ABLOY Access Control Partner software, allowing simple integration into existing or new systems
- Software Development Kits (SDK) and support available to integrate into other third party access control systems. Email: OEMSupport_Group@assaabloy.com for assistance.

Environmental Specifications:

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Battery Life

CYLINDRICAL LOCKS & EXIT DEVICES



MORTISE LOCKS



* Battery life data was calculated using Duracell batteries.

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IN100 7900 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven 7900 Series Mortise Lock
- 3/4" projection stainless steel latchbolt, one-piece construction
- Steel deadbolt assembly with 13 gauge hardened steel insert, 1" (25mm) projection
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Handing easily field reversible without disassembling lock body
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN100 Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), and tamper signaling standard
- EcoFlex™ technology offers improved battery life

52-5374 Door Position Switch (DPS)

Supplied with IN100 mortise locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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IN100

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Select from the following options to order IN100 mortise locks:

Function

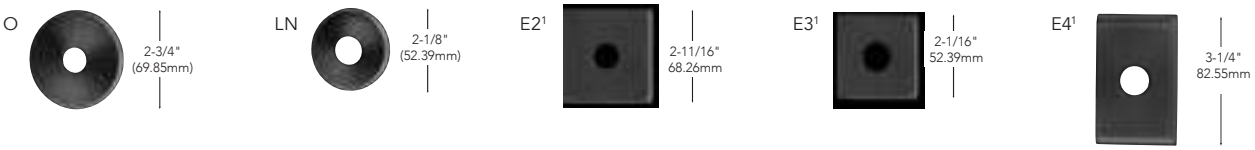
7978	Key override and no deadbolt
7979	No deadbolt and no key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string.

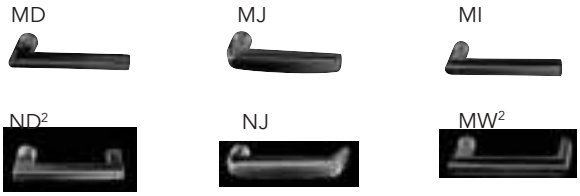
Rose



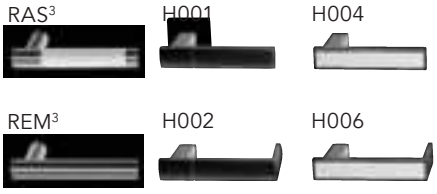
Suites with reader

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.



Premium Levers



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Series		Function				Credentials				Reader		Rose		Lever			Finish				Handing		
IN	100	7	9	7		B	I	P	S														

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

[1]1KA square cylinder collar and 130KA square backplate automatically supplied with E2,E3 and E4 roses.

[2] Lever returns within ½" (13 mm) of door face.

[3] Gramercy levers are customized. See page 25 for ordering information.

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IN100

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8200 Series Mortise Locks



Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Florida Building Code information is listed on page 16
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability

Shipping Weight: Approx. 11 lbs.

IN Series Mortise Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt (if present)
- Guardbolt deadlocks latch
- Key override available with #41 cylinder supplied
- Low battery, request-to-exit (REX), latch, guardbolt and tamper signaling standard

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Select from the following options to order IN Series mortise locks:

Function

82276	Key override and deadbolt
82278	Key override and no deadbolt
82277	Deadbolt and no key override
82279	No deadbolt and no key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

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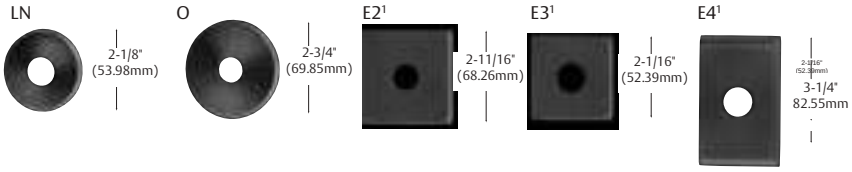
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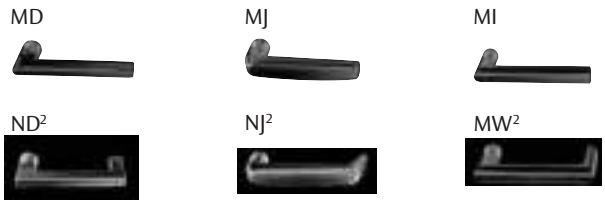
Rose



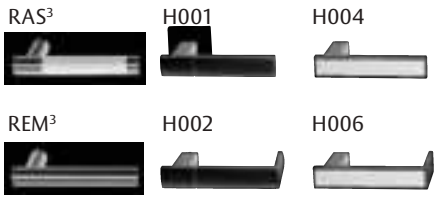
Suites with reader

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.



Premium Levers



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

*Metal reader trim (MB and MW) plated to match

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Technology		Function					Credentials				Reader		Rose		Lever			Finish				Handing		
IN	100	8	2	2	7		B	I	P	S														

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

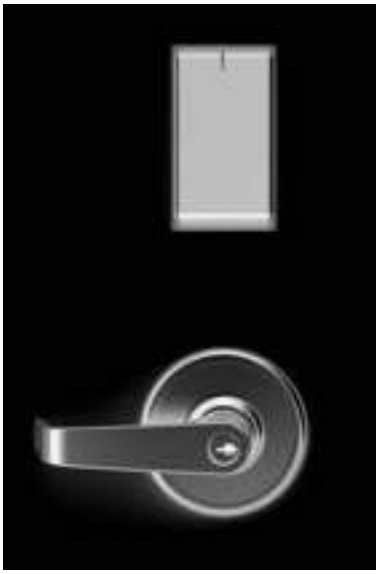
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IN100

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IN100 10 Line Cylindrical Locks



Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 Grade 1
- UL/ULC Listed for fire doors*
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handing easily field reversible without disassembling lock body
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 83-, 84- options

Shipping Weight: Approx. 9 lbs.

IN100 Cylindrical Lock Functions

- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard with #C10-1 cylinder supplied
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-5374) supplied

52-5374 Door Position Switch (DPS)
Supplied with IN100 cylindrical locks

- SPDT concealed switch (3-wire)
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
  - Metal door adapter included

Note: The DPS is installed right above the lock faceplate and connects directly into the lock's electronics

IN100 10 Line cylindrical locks are UL Certified and Listed as part of an approved assembly[1] to the following certifications and standards:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994[2]
- Testing Application Standard (TAS) 202-1994[2]
- Testing Application Standard (TAS) 203-1994[2]
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

[1]To meet assembly requirements, use in conjunction with doors from ASSA ABLOY Group brands CECO and CURRIES.

[2]Published in the "Florida Building Code"

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Select from the following options to order IN100 cylindrical locks:

Function

10G77 Key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string.

Rose

L



G



Lever

B



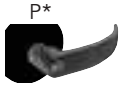
J*



L*



P*



G - Gulfport™



Y - Yarmouth™



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

Build Your Order String

Series		Function					Credentials				Reader		Rose		Lever		Finish				Handing		
IN	100	1	0	G	7	7	B	I	P	S													

For additional cylinder and/or mechanical options, please refer to pages 27-30.. Add the desired options to the beginning of your order string.

* Lever returns within ½" (13 mm) of door face

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80 Series Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*

Shipping Weight: Approx. 11 lbs.

IN100 Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5374) supplied; tamper signaling standard
- EcoFlex™ technology reduces energy consumption up to 95% as certified by GreenCircle



Mortise Exit



Rim Exit

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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Select from the following options to order IN100 exit devices:

Function

8977	Mortise lock exit device, key override
8978	Mortise lock exit device, no key override
8877	Rim exit device, key override
8878	Rim exit device, no key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Rail Size

E:	24 - 32"
F:	33 - 36"
J:	37 - 42"
G:	43 - 48"

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match

ET Trim

ET 700 Series ET Trim



Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.

MD



MJ



MI



ND[2]



NJ[1]



MW[1]



Premium Levers

RAS[2]



H001



H004



REM[2]



H002



H006



Finish*

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)
32D	Satin stainless steel (ANSI 630)
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LHR	Left hand reverse
RHR	Right hand reverse

Door Width

Specify in inches

* Exit Devices ordered in 32 or 32D will have the ET trim and lever supplied in 26 or 26D; for nickel finished ET trim, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly.

Build Your Order String

Technology		Function				Credentials				Reader		Rail Size	ET Trim		Lever			Finish				Handing			Door Width (in inches)	
IN	100	8				B	I	P	S				E	T												

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

[1] Lever returns within ½" (13 mm) of door face.

[2] Gramercy levers are customized. See page 25 for ordering information.

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IN100

Aperio® Wireless Access Control

SARGENT® ASSA ABLOY

Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices



Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included)
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Matching dummy trim available for double doors.

IN Series Exit Device Functions

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Low battery, tamper signaling standard
- Door position switch (DPS, part #52-5373) supplied

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Function

231 Rim exit device, key override

Reader

B	Black reader, black trim
W	White reader, white trim
MB	Black reader, metal trim
MW	White reader, metal trim

Escutcheon

EK1	Plate for Von Duprin Retrofit Fit

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

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Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.

MD



MJ



MI



ND[2]



NJ[1]



MW[1]



Premium Levers

RAS[2]



H001



H004



REM[2]



H002



H006



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LHR	Left hand reverse
RHR	Right hand reverse

*Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology		Function			Credentials				Reader		Escutcheon			Lever			Finish				Handing		
IN	100	2	3	1	B	I	P	S			E	K	1										

The order string for the EK1 mechanical exit trim is: EK1 x 706-5 x Lever x Finish x Hand.

For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

[1] Lever returns within ½" (13 mm) of door face.

[2] Gramercy levers are customized. See page 25 for ordering information.

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SARGENT® ASSA ABLOY

7300 Series Multi-Point Locks



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated
  - 7300 is part of a complete ASSA ABLOY windstorm solution
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm and Blast certification information is listed in the Sargent 7300 Series catalog

Shipping Weight: Approx. 11 lbs.

IN Series Multi-Point Lock Functions

- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Low battery, latch, guardbolt and tamper signaling standard

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MOUNTING	Supplied fasteners are for metal doors with through-bolts for trim
HAND	Handed; specify RHR, LHR, RH or LH
TOP BOLT	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
BOTTOM BOLT	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
CENTER BOLTS	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
LOCK FRONT	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
CENTER BOLT STRIKE	1/4" thick stainless steel
BACKSET	2-3/4" standard
DOOR THICKNESS	1-3/4" standard
DOOR HEIGHT	7'0" - 8'0"
MAXIMUM OPENING	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

Function

73277 Deadbolt, no key override
73276 Key override with deadbolt

Reader

B Black reader, black trim
W White reader, white trim
MB Black reader, metal trim
MW White reader, metal trim

Note: Metal trim for the reader is supplied in the finish specified in the order string. It is not available in stainless steel (32/32D), but will be plated to match.

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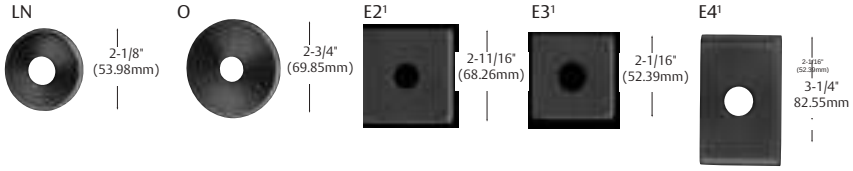
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Rose



Suites with reader

Lever

The levers shown here are some of our most popular styles from the Studio Collection. To see the complete range of available levers, please refer to pages 21-23.

MD



MJ



MI



ND[2]



NJ[2]



MW[2]



Premium Levers

RAS[3]



REM[3]



Finish

03	Bright brass (ANSI 605)
04	Satin brass (ANSI 606)
09	Bright bronze (ANSI 611)
10	Satin bronze, clear powder (ANSI 612)
10B	Oxidized satin bronze oil rubbed (ANSI 613)
10BE	Dark oxidized satin bronze — equivalent
10BL	Oxidized satin bronze, clear powder coat
14	Bright nickel, clear coated (ANSI 618)
15	Satin nickel, clear coated (ANSI 619)
20D	Dark statuary bronze, clear powder coat
26	Bright chrome (ANSI 625)
26D	Satin chrome (ANSI 626)
32	Bright stainless steel (ANSI 629)*
32D	Satin stainless steel (ANSI 630)*
BSP	Black suede powder coat
WSP	White suede powder coat

Handing

LH	Left hand
LHR	Left hand reverse
RH	Right hand
RHR	Right hand reverse

* Metal reader trim (MB and MW) plated to match

Build Your Order String

Technology		Function*						Credentials				Reader		Rose		Lever			Finish				Handing		
IN	100		7	3	2	7	7	B	I	P	S														

*If Windstorm or Blast is required, add the following before the function code:

FM -Windstorm
BL - Blast

Example: FM73277, BL73277

If neither is required, use the function code as listed on page 16.
For additional cylinder and/or mechanical options, please refer to pages 27-30. Add the desired options to the beginning of your order string.

[1]1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.
[2] Lever returns within ½" (13 mm) of door face.
[3] Gramercy levers are customized. See page 25 or ordering information.

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Alternate Power Options



Hard Power Option (91-)

The IN100 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

Model	Description
3521	12V - 1 Amp power supply
3541	12V - 3 Amp power supply
3551	12V - 4.5 Amp power supply
3571	12V - 6 Amp power supply
737	12V - 5 Amp 1 hour backup battery

Model	Description
3520	24V - 1 Amp power supply
3540	24V - 2 Amp power supply
3550	24V - 4 Amp power supply
3570	24V - 6 Amp power supply
738	24V - 5 Amp 1 hour backup battery

ElectroLynx® hinges and harnesses required for hard-powered IN100 applications are available through McKINNEY.

52-4824 91- Hard Power Kit

- Included with 91- prefix option IN100 units
- Allows for hard powering (91-) of IN100 (required for certain monitoring features)
- Compatible with ElectroLynx® system

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Accessories

Cover Plate Kits

79-5000	IN Series mortise lock, 7976/82276(key override, with deadbolt), 32D finish
79-5001	IN Series mortise lock, 7977/82277 (no key override, with deadbolt), 32D
79-5002	IN Series mortise lock, 7978/82278 (key override, no deadbolt), 32D finish
79-5003	IN Series mortise lock, 7979/82279 (no key override, no deadbolt), 32D finish
10-5008	IN Series cylindrical lock, 10G77 (with key override), 32D finish

Aperio Configuration Kits

Aperio offers the flexibility to make field configurations easily and without any special equipment. Configuration adjustments can be made to the Aperio hub and Aperio locks using the Aperio Programming tool software and Aperio USB programing dongle from a Windows netbook or laptop with an available USB port.

- Requirements for Operation:
  - Laptop or Netbook with:
    - Windows 10
    - USB 2.0 port
- APA-10-PC Aperio Programming Application Tool Kit
  - USB Flash Drive
    - Programming Application Tool Software and License Files
    - Aperio Instructions (electronic files)
    - Tritech Tribee USB Radio Dongle (APD-10-USB)
  - HID iCLASS/Prox Card
- APD-10-USB Aperio Configuration USB Dongle
  - Tritech Tribee USB Radio Dongle
  - Included in APA-10-PC Kit
- 52-1635 USB cable
  - USB cable is a stand-alone item (sold separately)

Integration Tools for ASSA ABLOY Locks

ASSA ABLOY electronic access control locks integrate with a range of industry-leading access control systems. For more information on which systems support our Aperio® enabled locks, please contact your local ASSA ABLOY Door Security Solutions office, www.assaabloydss.com. To learn more about how to integrate these and other ASSA ABLOY products with your system, please call 800-810-WIRE.

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Aperio® Hub



The IN100 lock uses short distance wireless transmission (IEEE 802.15.4, 2.4 GHz) to communicate with an Aperio hub, which is connected to an access control system via IP, RS-485 or Wiegand.

Specifications:

- Wireless Communication: IEEE 802.15.4 (2.4 GHz)
- Wireless Range: 50-80 feet (depending on installed environment)
- EAC Communication: IP, RS-485 or Wiegand
- Power: Powered using Power over Ethernet (PoE) or external power supply (8-24VDC)
- Security: AES 128 encryption
- Operating Temperature: 41°F (5 °C) to 95°F (35 °C)
- Humidity: < 95% maximum (non-condensing)

MERCURY Powered

The Aperio hub is available in a Mercury version for completely seamless integration into Mercury-based access control systems. Please contact your Mercury-based access control provider for ordering information.

Ordering Aperio Hubs

	SERIES	HARDWARE VERSION	HARDWARE CONFIGURATION	CONFIGURATION CODE*
	AH	20: Wiegand hub; 30: RS-485 hub; 40: IP hub	W14: Wiegand 1:1; R12: RS-485 1:8 (Mercury); or 1:16 (non-Mercury) IN2: IP 1:64	NNNN
Ex.:	AH	30	R12	NNNN

*NNNN is the standard configuration code for Aperio hubs. Access Control Partners should contact 800-810-WIRE for specific ordering information



Aperio Hub Accessories:

- EXT-10-ANT Aperio External Antenna

Aperio hubs are certified for use with the ASSA ABLOY external (omnidirectional) antenna EXT-10-ANT. The external antenna may be used to obtain more even radio coverage (in the form of a doughnut) around the hub. Please note that the antenna does not extend the maximum range of the Aperio hub.

Specifications:

- For indoor use only
- Operating Temperature: 32°F (0 °C) to 113°F (45 °C)
- Humidity: < 95% maximum (non-condensing)

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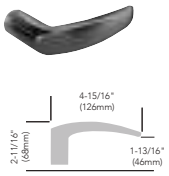
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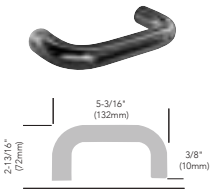
Standard Levers (7900 Series Mortise Locks and 80 Series Exit Devices)

- All levers meet ADA national code requirements
- Lever designs BJ, BL and BP have lever returns within 1/2" (13mm) of door face and meet California State Reference Fire Code
- Levers BB, BL, BJ & BP are only available with the O rose

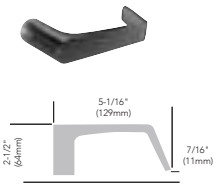
BB



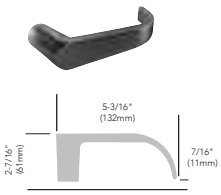
BJ



BL



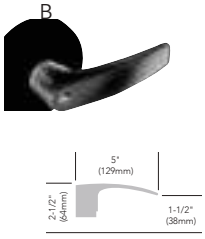
BP



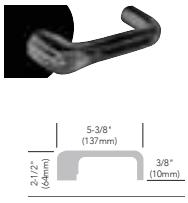
Standard Levers (10 Line Cylindrical Locks)

- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

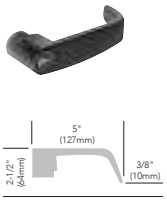
B



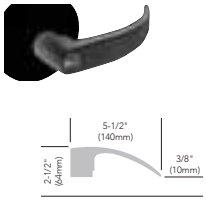
J



L



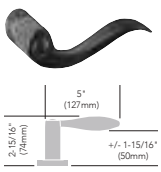
P



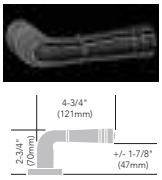
The Coastal Series™ (7900 Series Mortise Locks and 80 Series Exit Devices)

- All levers meet ADA compliance for national codes
- Levers are solid cast brass
- Finishes available — 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D
- All lever height (+/- 1/16") measurements represent total distance from door face

G - Gulfport™ (Handed)



R - Rockport™



S - Sanibel™ (Handed)



Y - Yarmouth™ (Handed)



Standard lever options are only available with O roses.

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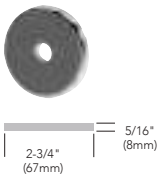
IN100

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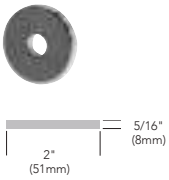
SARGENT® ASSA ABLOY

Standard Roses (7900 Series Mortise Locks)

O

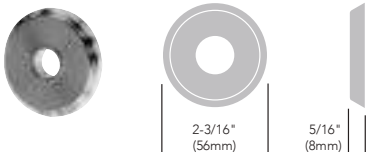


LN

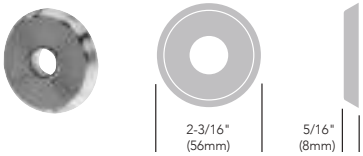


Coastal Series Roses (7900 Series Mortise Locks)

TR Traditional Rose
(Dual radii edge)

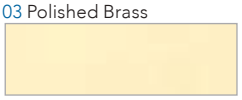


CR Contemporary Rose
(Beveled edge)

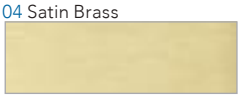


Available Finishes

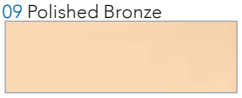
03 Polished Brass



04 Satin Brass



09 Polished Bronze



10 Satin Bronze



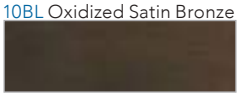
10B Oxidized Bronze



10BE Dark Oxidized Satin Bronze — equivalent



10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



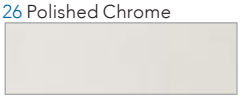
14 Polished Nickel



15 Satin Nickel



26 Polished Chrome



26D Satin Chrome



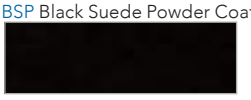
32 Polished Stainless Steel



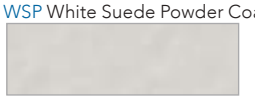
32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exits Devices, DL, RDL Series Tubular Locks, and 7300 Series Multi-Point Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Wooster Square Series

H001 H002[2] H003 H004 H005[2] H006[2]



Aventura Series

MB ME MF NF MG MI MW[2]



Gramercy Series[3]

RCM RAL REM RAM RAS RAG RGM



Centro Series

MD MJ MP[1] ND[2] NJ[2]



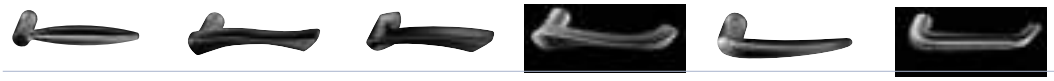
Odéon Series[1,4] (Handed Levers)

MN MH MS MU MV MX NS[2] NU[2]



Notting Hill Series (MA and MO are Non-Handed Levers)

MA MQ MT MY[2] MO MZ[2]



Berlin Series

H015 H016[2] H017 H018



Grant Park Series (H008 is handed)

H007 H008 H009 H010 H011



[1] Contact factory for current lead times. Not available in stainless steel finishes.

[2] Lever returns within 1/2" (13mm) of door face

[3] Gramercy levers are customized. See page 19 for ordering information.
See page 19 for ordering information

[4] Odéon Series are not available in 32D

Note: H003 - H006 contains white or black polycarbonate insert

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IN100

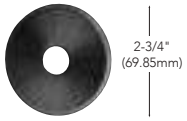
Aperio® Wireless Access Control

SARGENT® ASSA ABLOY

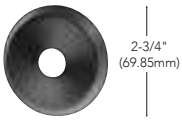
Studio Collection Trim

Roses (7900 Series)

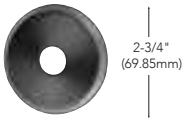
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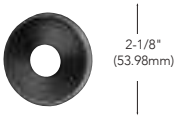
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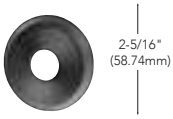
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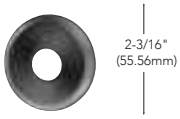
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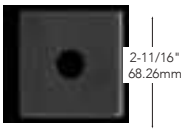
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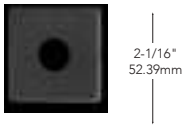
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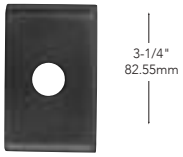
E2[1] (Handed)



E3[1] (Handed)



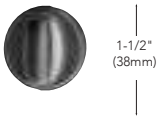
E4[1] (Handed)



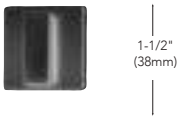
Thumbturns (7900 Series)

Thumbturn backplate will match rose design chosen. Specify T1, T2 or T3 as a prefix option for decorative turns.

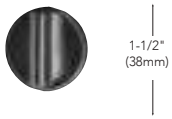
T1



T2



T3



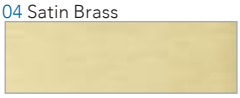
[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

Available Finishes

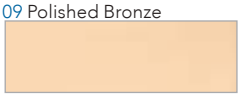
03 Polished Brass



04 Satin Brass



09 Polished Bronze



10 Satin Bronze



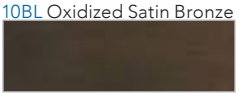
10B Oxidized Bronze



10BE Dark Oxidized Satin Bronze — equivalent



10BL Oxidized Satin Bronze



20D Statuary Dark Bronze



14 Polished Nickel



15 Satin Nickel



26 Polished Chrome



26D Satin Chrome



32 Polished Stainless Steel



32D Satin Stainless Steel



BSP Black Suede Powder Coat



WSP White Suede Powder Coat



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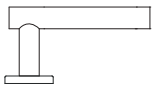
IN100

Aperio® Wireless Access Control

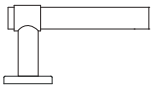
SARGENT ASSA ABLOY

Ordering Gramercy Series Levers (7900 Series Mortise Locks and 80 Series Exit Devices)

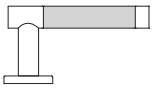
REM, RGM



RCM



RAG, RAL, RAM, RAS



Gramercy Finish Codes

BHMA FINISH	SARGENT FINISH	GRAMERCY CODE	DESCRIPTION
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)
613E	10B	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions and Available Finishes

LEVER DESIGNATION	LEVER DESCRIPTION	AVAILABLE FINISHES (AS ORDERED)
RAG	Grooved Insert	3E3E, BSBS, WSWS, 3030, OR 2929
RAL	Leather Insert	3EBK3E, 3EBN3E, BSBKBS, BSBNBS, WSBKWS, WSBNWS, 30BK30, 30BN30, 29BK29, OR 29BN29
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	3EBK3E, BSBKBS, WSBKWS, 30BK30, OR 29BK29
RCM	Raised Band	3E3E, BSBS, WSWS, 3030, 2929, or 2930**
REM	Plain	3E3E, BSBS, WSWS, 3030, OR 2929
RGM	Two Grooves	3E3E, BSBS, WSWS, 3030, 2929 OR 2930

**Two-tone finish — grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

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Replacement Parts
Outside Escutcheon (Reader) & Controller & Inside Mounting Kit

IN-100-EM01-BIPS-B	Black
IN-100-EM01-BIPS-W	White
IN-100-EM01-BIPS-MB	Black with metal trim
IN-100-EM01-BIPS-MW	White with metal trim

Mounting Kit

IN100-EM04	IN100 inside mounting kit (mounting kit and hardware)

Lockbodies

IN100-7976-[finish]*-[handing]	IN100 mortise lockbody with deadbolt and cylinder
IN100-7977-[finish]*-[handing]	IN100 mortise lockbody with deadbolt (no cylinder)
IN100-7978-[finish]*-[handing]	IN100 mortise lockbody with cylinder (no deadbolt)
IN100-7979-[finish]*-[handing]	IN100 mortise lockbody only (no deadbolt, no cylinder)
IN100-82276- [finish]*-[handing]	IN100 mortise lockboy with deadbolt and cylinder
IN100-82277- [finish]*-[handing]	IN100 mortise lockboy with deadbolt (no cylinder)
IN100-82278- [finish]*-[handing]	IN100 mortise lockboy with cylinder (no deadbolt)
IN100-82279- [finish]*-[handing]	IN100 mortise lockboy only (no deadbolt, no cylinder)
IN100 777-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device without key override
IN100 778-8 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for rim exit device with key override
IN100 777 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device without key override
IN100 778 ET X [lever] X [finish] X [handing] X [door thickness]	Trim for mortise exit device with key override
10-3452	IN100 cylindrical lockbody, standard cylinder
10-3453	IN100 cylindrical lockbody, LFIC (removable core)
10-3454	IN100 cylindrical lockbody, SFIC
10-3455	IN100 cylindrical lockbody, Keso
10-3456	IN100 cylindrical lockbody, Medeco Keymark LFIC & Schlage full size interchangeable core

* Select from finishes on page 22.

Inside Escutcheon (Battery Cover)

IN-100-EM02-B	Black
IN-100-EM02-W	White
IN-100-EM02-MB-[finish]*	Black with metal trim
IN-100-EM02-MW-[finish]*	White with metal trim

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52-5374 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- 3/8" diameter for wood door
- 3/4" diameter for metal door
  - Metal door adapter included
- Supplied with IN100 cylindrical and mortise locks

Mechanical Options

STRIKE OPTIONS	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 line only)
	WBS-	Wrought Box Strike
10 LINE BRACKET OPTIONS	20-	2-3/8" Backset Latch with 1" Front
	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
SECURITY FASTENERS	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" LATCH THROW	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
TACTILE WARNING OPTIONS	75-	Tactile Warning — Milled Inside Lever (Not available with Studio and Coastal Levers and the A Lever)
	76-	Tactile Warning — Milled Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	77-	Tactile Warning — Milled Inside and Outside Lever (Not available with Studio and Coastal Levers and the A Lever)
	85-	Tactile Warning — Abrasive Coating on Inside Lever
	86-	Tactile Warning — Abrasive Coating on Outside Lever
	87-	Tactile Warning — Abrasive Coating on Outside Lever
FINISH PROTECTION	CPC-	Clear Powder Coat (Available for 26, 26D, 32 and 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
ELECTRICAL OPTIONS	91-	Power wiring harness
THUMBTURNS (SEE PAGE 16)	T1-	Decorative thumburn; backplate matches rose design chosen
	T2-	Decorative square thumburn; backplate matches rose design chosen
	T3-	Decorative cylinder thumburn; backplate matches rose design chosen

* Select from finishes on page 16.

[1] Specify locktype/function (see pages 7-11 for more information): 7976, 7977, 7978, 7979, 10G77, 8877, 8878, 8977, 8978
Example: IN-100-EM017976-IP-MB-26D

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Cylinder Options[1]

DEGREE CYLINDERS	DG1-	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
	DG3-65-	Degree Level 3 Unassembled/Uncombined Core

[1] Not available on EK1

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Cylinder Options[1]

[1] Not available on EK1

CONVENTIONAL CYLINDER	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
SIGNATURE KEY SYSTEM	10-	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
SIGNATURE: LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- KEY SYSTEM	11-	XC Key System (not available with 10-, 10UL, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core — provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- SMALL FORMAT INTERCHANGEABLE CORE	11-70-7P-	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10 line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (Packed Loose) (10 Line J lever not available)
CONSTRUCTION KEY SYSTEMS	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
OLD STYLE REMOVABLE CORE	51-	Removable Core Cylinder (Old Style) provided (Existing Systems Only) (Not available with 10 Line)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only) (Not available with 10 Line)
LARGE FORMAT INTERCHANGEABLE CORE (REMOVABLE CORE)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)

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Cylinder Options[1]

SMALL FORMAT INTERCHANGEABLE CORES	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 line J lever not available)
	73-	Hardware supplied with 6-Pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (Packed loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
KESO & KESO F1	81-	Hardware provided with housings to accept Keso (83) and Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
BUMP RESISTANT	BR-	Bump Resistant Cylinder (Available with Conventional and Conventional XC Cylinders Only)
LESS CYLINDER	LC-	Hardware supplied less cylinder
ACCEPTS SCHLAGE CYLINDERS	30-	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
SCHLAGE KEYWAYS	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

[1] Not available on EK1

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Notes

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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Harmony® Series

Integrated Wiegand Solutions
Access Control Products

**Available through Authorized Channel Partners only.
Contact your local ASSA ABLOY Door Security
Solutions sales consultant for details.**

GENUINE HID TECHNOLOGY



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Table of Contents

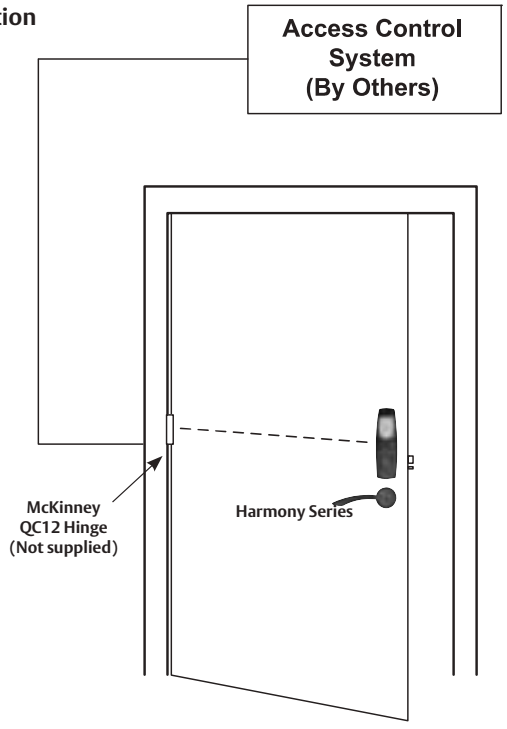
Harmony Series

Authorized Channel Partner
ASSA ABLOY

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Overview, Features and Electrical Specifications 3
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Harmony Series Typical Application



As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion®
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

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EcoFlex®

EcoFlex™ Technology

- Reduces energy consumption up to 96%*, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

*Up to 95% for exit trim

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GreenCircle CERTIFIED
CERTIFIED ENERGY SAVINGS

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Overview, Features and Electrical Specifications

Harmony Series

Authorized Channel Partner
ASSA ABLOY

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Overview

The patented Harmony Series combines a card reader, Door Position Switch (DPS), and Request-to-Exit (REX) signaling in a sleek, pleasing design backed by SARGENT Grade 1 hardware. Harmony is available with 8200 and R8200 Mortise Lock, 10 Line Cylindrical Lock , 7000 Series Multi-Point Vertical Rod, FM7300 Multi-Point Lock configurations and a variety of 80 Series Exit Devices (Rim, Mortise and Vertical Rod). The Harmony exit devices are available UL Listed for use on fire-rated doors. The Harmony Series offers levers with similar designs and finishes for the three types of locks to create a continuity of design.

The Harmony Series products are easily integrated into a Wiegand-compatible access control system. The Harmony Series H1 uses 125 kHz HID® proximity reader technology. The Harmony Series H2 uses 13.56 MHz HID iCLASS SE® reader technology. All Harmony products offer Fail Safe or Fail Secure operation.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT Harmony Series is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio®, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
ASSA ABLOY

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

H1 Systems

Cylindrical locks or exit devices:

- Reader draw = 150 mA
- 12VDC solenoid draw = 500 mA
- 24VDC solenoid draw = 250 mA
- 24VDC exit device (with electric latch retraction) = 600 mA during retraction, 250 mA maintained

Note: H1 reader always requires 12VDC

EcoFlex® mortise locks:

- Reader draw = 150 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: The H1 reader requires 12VDC for power. As the lock accepts either 12 or 24V, we recommend a 12V power supply to support both the lock and reader with a single power supply.

H2 Systems

Cylindrical locks or exit devices:

- Reader draw = 150 mA
- 12VDC solenoid draw = 500 mA
- 24VDC solenoid draw = 250 mA
- 24VDC exit device (with electric latch retraction) = 600 mA during retraction, 250 mA maintained

EcoFlex® mortise locks:

- Reader draw = 150 mA
- Actuator draw = 15 mA continuous
- Maximum (2) locks per 1 Amp power supply (500 mA peak current draw)

Note: H2 reader uses 12 or 24VDC

Sophisticated Access Control Solution

- Consolidates all components into the lock
  - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
  - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
  - Requires only one cable run from the lock to the access control panel
  - Maintains architectural integrity around the door
- Open architecture platform is compatible with all standard access control systems
- Supports industry leading credentials:
  - HID 125kHz proximity (H1)
  - HID 13.56 MHz iCLASS SE
  - PIV/PIV-I (64-bit BCD, 128-bit BCD or 200-bit output)
- Aesthetically complemented by SARGENT Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware portfolio, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

Common Features of Harmony Series Products

- A hard-wired platform for use with existing Wiegand compatible access control systems
- Centralized control of all locks using customer's existing access control system
- For use on exterior doors with appropriate weatherseal gasket
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12- for exit devices) **
- UL Listed for Fire Doors Certified for Canada **
- Fail Safe or Fail Secure operation
- ElectroLynx® connector system
- Monitoring is based on lock type selected
- Harmony mortise locks available with internal end-of-line resistors

Electrical Specifications

Supplied power must be filtered and regulated

- H1 and H2: Lock Solenoid 12VDC or 24VDC
- 56-H1 and 56-H2: Exit Device 24VDC
- H1: Reader always 12VDC
- H2: Reader 12VDC or 24VDC

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Note: HID and iCLASS are registered trademarks of HID Global Corporation.

* *Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

8200 Series Mortise Locks

Harmony Series

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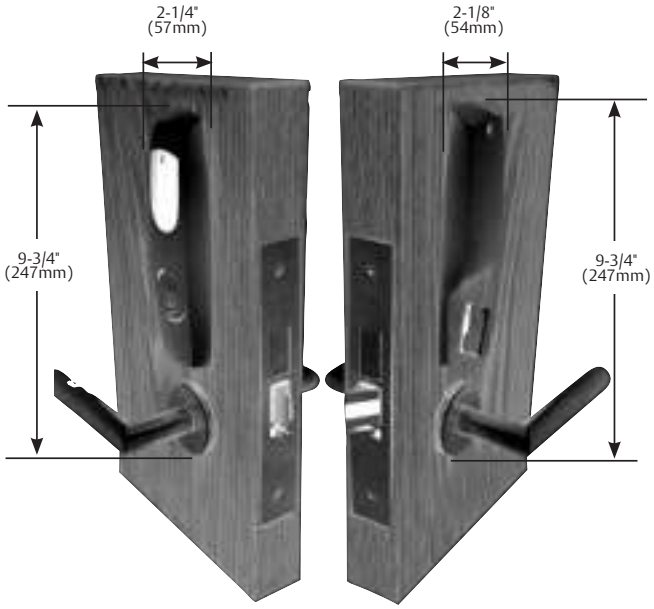
The Harmony Series Mortise Lock product integrates SARGENT's 8200 and R8200 Series Grade 1 mortise lock into an existing Wiegand compatible access control system. The Harmony Series Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT's "Latched and Secure" monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

The Harmony Series mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses or Simpli™ roseless trim in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

Mechanical Features

- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1" hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs. Simpli™ roseless trim also available when used with an R8200 lockbody.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #43 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Harmony 8200 Mortise Lock Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 28 for additional information)
- Features EcoFlex® Technology
- EAC Regulatory Compliance*
  - › UL294 6th Edition
  - › CAN/ULC S319
  - › BHMA A156.25
  - UL 294 is a U.S. system level certification. For information regarding access control system compliance, please call 800-810-WIRE

*All product lines except Latch Retraction Variants: ELR 7000, 56- 80 Series



H1-82281 shown with MB Studio Collection Levers and LN roses

H1 Series* Electrical Features

- Supports 125 kHz HID Proximity credentials
- H1: Lock 12-24VDC
- H1: Reader always 12VDC

H2 Series* Electrical Features

- Supports 13.56 MHz HID iCLASS SE credentials
- H2: Lock 12-24VDC
- H2: Reader 12VDC or 24VDC

Escutcheons

- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

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8200 Series Mortise Locks

Harmony Series

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Harmony Series Mortise Lock Functions

All Harmony Mortise Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

Harmony Mortise Lock Functions

If the lock needs to have:	Then select:		
	Series	Type*	Function
No key override and no deadbolt			
Fail Safe	H1 or H2	82	274
Fail Secure	H1 or H2	82	275
No key override with deadbolt			
Fail Safe	H1 or H2	82	284
Fail Secure	H1 or H2	82	285
Key override and no deadbolt			
Fail Safe	H1 or H2	82	270
Fail Secure	H1 or H2	82	271
Key override and deadbolt			
Fail Safe	H1 or H2	82	280
Fail Secure	H1 or H2	82	281

* Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

Ordering Harmony Mortise Locks*** (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

Options	Series	Type	Function	Reader/ Lock Voltage**	Configuration****	Roses	Levers	Finish	Hand
Select from pages 25-27	Select H1 for 125 kHz prox Select H2 for 13.56 MHz iCLASS SE	Select from Harmony Mortise Lock Function chart above		12V or 24V		Select rose, lever and finish from pages 16-20			RHR, LHR, RH or LH
Example:	H1	R82274		12V		R	MX	03	RH

*H1 and H2 cannot be combined on the same opening.
**With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage. For H2, reader and lock can be either 12VDC or 24VDC.
***To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
**** For H2 only. See table below:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:
  - **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  - **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  - **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**
  - Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  - Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  - To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**
  - The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  - This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  - To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-H2-82271-12V-LN-MD-26D-LHR
R04-PHR-IDP-H1-82280-24V-LN-MD-26D-RHR

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10 Line Cylindrical Locks

Harmony Series

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The Harmony Series 10 Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing Wiegand compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The Harmony Series 10 Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

Mechanical Features

- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- "Request-to-Exit (REX)" signaling standard
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard. 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Key override standard
- Harmony 10 Line Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 20 for additional information)
- EAC Regulatory Compliance^
  - › UL294 6th Edition
  - › CAN/ULC S319
  - › BHMA A156.25
  - UL 294 is a U.S. system level certification. For information regarding access control system compliance, please call 800-810-WIRE

H1 Series* Electrical Features

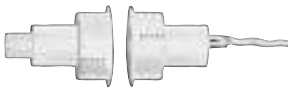
- Supports 125 kHz HID Proximity credentials
- H1: Lock Solenoid 12VDC or 24VDC
- H1: Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

H2 Series* Electrical Features

- Supports 13.56 MHz HID iCLASS SE credentials
- H2: Lock Solenoid 12VDC or 24VDC
- H2: Reader 12VDC or 24VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

3287 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- Contacts rated 500 mA @ 12VDC
- Contacts rated 250 mA @ 24VDC
- Requires 1" diameter hole



Harmony Cylindrical Lock Functions

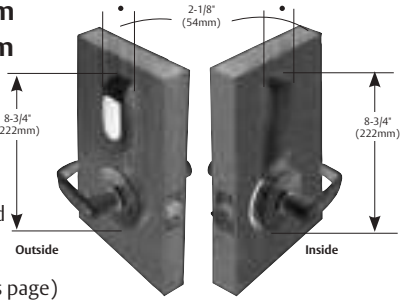
If the lock needs to have:	Then select:		
	Series	Type	Function
Key override			
Fail Safe	H1 or H2	10G	270
Fail Secure	H1 or H2	10G	271

Harmony Series 10 Line Cylindrical Lock Functions

270 Fail Safe - Power off unlocks outside trim
271 Fail Secure - Power off locks outside trim



- Key outside always retracts latch
- Lever outside rigid except when trim is unlocked electronically
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, this page)
- 10 Line Levers and Roses are shown on pages 16 and 20



Escutcheons

- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader
- Projection is approximately 3/4"

Ordering Harmony Cylindrical Locks****

Options	Series	Type	Function	Reader/ Solenoid**	Configuration****	Roses	Levers	Finish	Hand
Select from page 25-27	Select H1 for 125 kHz prox Select H2 for 13.56 MHz iCLASS SE	Select from Harmony Cylindrical Lock Function chart above		12V or 24V		Select rose, lever and finish from pages 28			RHR, LHR, RH or LH
28-***	H1	10G	270	12V		L	G	03	RH

^all product lines except Latch Retraction Variants: ELR MP9800, ELR 7000, 56- 80 Series
*H1 and H2 cannot be combined on the same opening
**With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC.
***28- Option supplies a 4-7/8" Strike, oppose to the 2-3/4" T strike supplied standard (see page 26 for details)
****To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
**** For H2 only. See table below:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

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80 Series Exit Devices

Harmony Series

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The Harmony Series Exit Device product selection is SARGENT's most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

Mechanical Features:

- Certified ANSI/BHMA A156.3 Grade 1
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 6)
- 80 Series Levers are shown on page 16-18
- Features EcoFlex™ Technology
- EAC Regulatory Compliance*
  - › UL294 6th Edition
  - › CAN/ULC S319
  - › BHMA A156.25
  - – UL 294 is a U.S. system level certification. For information regarding access control system compliance, please call 800-810-WIRE

Description of Functions: (see chart below)

- Fail Safe: Power off, unlocks outside trim / Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

Concealed Vertical Rod/Surface Vertical Rod Models Feature:

- Key override is available for MD/WD/AD8600 CVR Devices (including NB-) with 106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-H1/H2-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

H1 Series* Electrical Features

- Supports 125 kHz HID Proximity credentials
- H1: Lock Solenoid 12VDC or 24VDC
- H1: Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

H2 Series* Electrical Features

- Supports 13.56 MHz HID iCLASS SE credentials
- H2: Lock Solenoid 12VDC or 24VDC
- H2: Reader 12VDC or 24VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

Harmony Exit Device Functions


8900 Mortise Exit Devices


8800 Rim Exit Devices


8700 Surface Vertical Rod Exit Devices


8600 Concealed Vertical Rod Exit Devices

	Mortise Exit			Rim Exit			SVR Exit			CVR Exit†		
If the lock needs to have:	**Then select:**											
	Series	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
No key override												
Fail Safe	H1 or H2	89	73	H1 or H2	88	73	H1 or H2	87	73	H1 or H2	MD86/WD86 /AD86	73
Fail Secure	H1 or H2	89	74	H1 or H2	88	74	H1 or H2	87	74	H1 or H2	MD86/WD86 /AD86	74
Key override												
Fail Safe	H1 or H2	89	75	H1 or H2	88	75	–	–	–	–	–	–
Fail Secure	H1 or H2	89	76	H1 or H2	88	76	–	–	–	–	–	–

†8600 CVR Exit Devices must be ordered as WD for wood doors, AD for aluminum doors, or MD for metal doors.

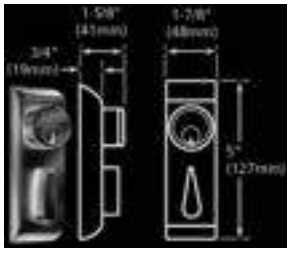
Escutcheons

- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)

Key Override for H1/H2-8600 & H1/H2-8700



The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device.

Order example:
H1-MD8674F x 12VDC x ETL x 106 x RHR x 32D x 36" x 96"

The 306 Series Auxiliary Control offers key override for 8700 Series Device (not available for NB-8700).

Order example:
H2-8773F x 12VDC x ETL x 306 x RHR x 32D x 36" x 84"

Ordering Harmony Exit Devices***

Options	Series	Type	Function	Rail Size	Reader/ Solenoid**	Configuration****	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Select from page 25-27	H1 or H2	Select from Exit Device Function chart above		E: 24-32"; F: 33-36" J: 37-42"; G: 43-48"	12V or 24V		ET followed by lever designation from pages 16-20	RHR, LHR	Select from page 26	If supplied, rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail above Finished Floor (41" std)
Example:	H1	8773		F	12V		ETL	RHR	10B	36"	84"	41"

^all product lines except Latch Retraction Variants: ELR MP9800, ELR 7000, 56- 80 Series
*H1 and H2 cannot be combined on the same opening.
** The Harmony H1 reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC.
***To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
**** For H2 only. See table right:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

Experience a safer and more open world

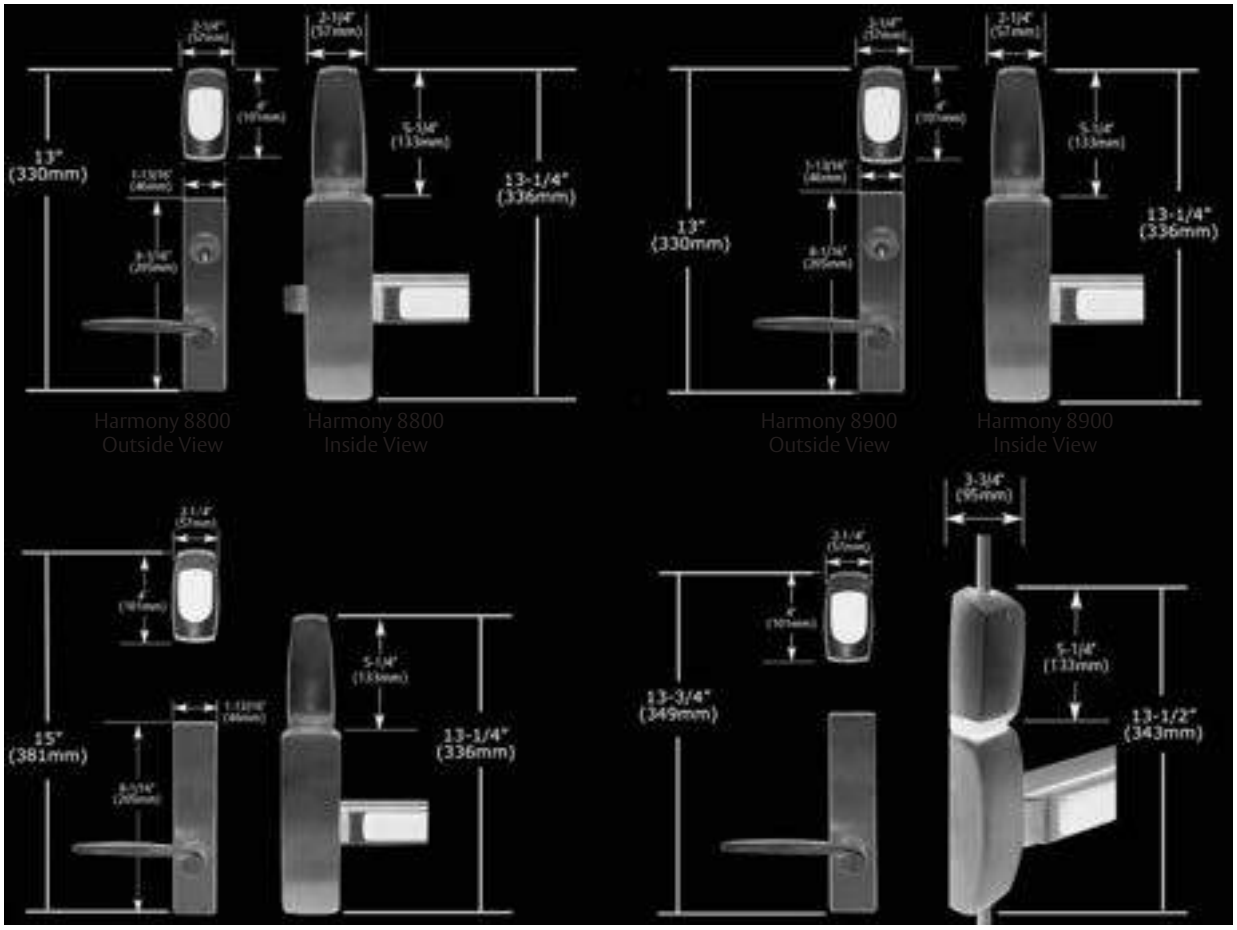
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80 Series Exit Devices

Harmony Series

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How to specify and order ET Trim without an Exit Device:

Specify either H1 or H2 in the order string

- For 8900 Mortise Exit Devices: H1/H2-773 ET*, H1/H2-774 ET*, H1/H2-775 ET* & H1/H2-776 ET*
- For 8800 Rim Exit Devices: H1/H2-773-8 ET*, H1/H2-774-8 ET*, H1/H2-775-8 ET* & H1/H2-776-8 ET*
- For 8700 SVR Exit Devices: H1/H2-773 ET* & H1/H2-774 ET*
- For NB-8700 SVR Exit Devices: H1/H2-773-8 ET* & H1/H2-774-8 ET*
- For All 8600 CVR Exit Devices: H1/H2-773-4 ET* & H1/H2-774-4 ET*

* Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Exit Windstorm Information:

- Harmony 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- Harmony WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 28 for details)
- Harmony WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 28 for details)
- Harmony HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 28 for details)
- Harmony HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21774 Latching Hardware and listed on Florida Building Code Website: FL12712.2 (see page 28 for details)

Cylinder Sizes & Types for Harmony Series

Note: All mortise cylinders require a SARGENT standard offset cam (13-0064)

H1/H2 Products	1-3/4" Door Thickness	1-3/4" Door Thickness with Weather Shield
H1/H2-8900 Mortise Exit	# 46 Mortise (1-3/4")	# 46 Mortise (1-3/4")
H1/H2-8800 Rim Exit	# 34 Rim	# 34 Rim
H1/H2-8700 w/306 Control SVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")
H1/H2-8600 w/106 Control CVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")

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Electric Latch Retraction Option (56-)

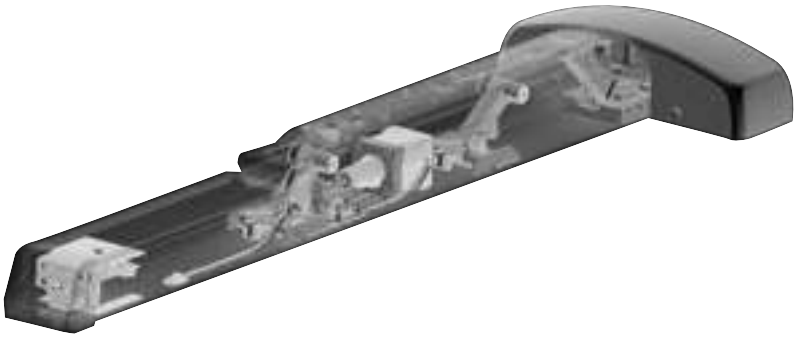
Harmony Series Exit Devices

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SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Features EcoFlex™ Technology
- Power Requirements (supplied power must be filtered and regulated):

  H1 Systems:

  Reader: 12VDC (150 mA)

  Exit Device: 24VDC (600 mA during retraction, 250 mA maintained)

  H2 Systems:

  Reader: 12VDC (150 mA) or 24VDC (150 mA)

  Exit Device: 24VDC (600 mA during retraction, 250 mA maintained)
- Minimum Door Widths:
  – Wide Stile Door 28"
  – Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-H1-8913F x ETMF x 32D x 36")

Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

Accessories

Required

– 3520 24VDC 1 AMP Power Supply

– 3521 12VDC 1 AMP Power Supply

– Electric transfer device also required

Optional

– 881 Monitor Strike



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Electric Latch Retraction Option (56-)

Harmony Series

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Harmony 56- Exit Device Functions

If the trim needs to be:		8900 Mortise Exit Devices				8800 Rim Exit Devices				8700 Surface Vertical Rod Exit Devices				8600 Concealed Vertical Rod Exit Devices[1]			
		Type	Function[2]	Rail Size	Trim/ Lever	Type	Function[2]	Rail Size	Trim/ Lever	Type	Function[2]	Rail Size	Trim/ Lever	Type[1]	Function[2]	Rail Size	Trim/ Lever
	ET Control																
With:	Night Latch (Key retracts latch)	89	04	See chart below	ET x Lever	88	04	See chart below	ET x Lever	–	–	–	–	–	–	–	–
With:	Night Latch (Key/lever retracts latch)	89	06	See chart below	ET x Lever	88	06	See chart below	ET x Lever	87	06	See chart below	ET x Lever	AD86/ MD86/ WD86	06	See chart below	ET x Lever
With:	Dummy ET Trim (No cylinder override)	89	10	See chart below	ET x Lever	88	10	See chart below	ET x Lever	87	10	See chart below	ET x Lever	AD86/ MD86/ WD86	10	See chart below	ET x Lever
With:	Entrance (Key locks/unlocks lever)	89	13	See chart below	ET x Lever	88	13	See chart below	ET x Lever	87	13	See chart below	ET x Lever	AD86/ MD86/ WD86	13	See chart below	ET x Lever
With:	Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	10	See chart below	ET x Lever x 306	AD86/ MD86/ WD86	10	See chart below	ET x Lever x 106

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim
	Pull Trim																
With:	Night Latch (Key retracts latch)	89	04	See chart below	FLL, FLW, MAL, PTB, STS	88	04	See chart below	FSL, FSW, MSL, PSB, STS, 862, 863, 864	–	–	–	–	–	–	–	–
With:	Dummy Pull (No Cylinder Override)	89	10	See chart below	FLL, FLW, MAL, PTB, STS	88	10	See chart below	FLL, FLW, MAL, PTB, STS, 862, 863, 864	87	10	See chart below	FLL, FLW, MAL, PTB, STS, 862, 863, 864	AD86/ MD86/ WD86	10	See chart below	862, 863, 864
With:	Auxiliary Control for Cylinder Override with 862 Pull Trim	–	–	–	–	–	–	–	–	87	10	See chart below	306 x Pull (862, 863, 864)	AD86/ MD86/ WD86	10	See chart below	106 x Pull (862, 863, 864)

[1] 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.
[2] For freewheeling trim, specify 44 in place of 04 function, 46 in place of 06 function, 40 in place of 10 function, and 43 in place of 13 function.

Ordering Harmony Exit Devices with Electric Latch Retraction**

Options	Series	Type	Function	Rail Size	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Select from pages 25-27*	56-H1 or 56-H2	Select from Exit Device Function chart above		E: 28-32"; F: 33-36"; J: 37-42"; G: 43-48"	Select trim/pull design from function chart above; for ET Trim, select lever design from pages 16-20	RHR, LHR	Select from page 16	If supplied, rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail above finished floor (41" standard)
Example:	56-H1	87	10	F	FLL	RHR	32D	36"	84"	41"

* Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 86, 87, CPC, SG. See page 25 for detailed descriptions. See pages 26 and 27 for cylinder options
**To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.

Function Description and Cylinder Information	SARGENT Function #	ANSI Function #
Night latch, key retracts latch #34 cylinder for 8800 #46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS	04/44	03
Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied	06/46	09
No outside operation (no cylinder), ET Control is used as pull only	10/40	02
Key unlocks/locks trim, #41 cylinder supplied	13/43	08

Pull Trim Options

SARGENT Function Number	ANSI Function Numbers	Description Cylinder Info. (1-3/4" Door)						
04	03	Night Latch (key retracts latch)	FLL/FSL	FLW/FSW	MAL/MSL	PTB/PSB	STS	862/863/ 864
10	02	Pull Only (no O/S operation)	FLL	FLW	MAL	PTB	STS	862/863/ 864

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7000 Series Multi-Point Vertical Rod

Harmony Series

Authorized Channel Partner
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The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of Harmony Series Integrated Wiegand locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

Features

- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Features EcoFlex® Technology
- Supports single or double door applications
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)
- EAC Regulatory Compliance*
  - › UL294 6th Edition
  - › CAN/ULC S319
  - › BHMA A156.25

* all product lines except Latch Retraction Variants: ELR MP9800, ELR 7000, 56- 80 Series





Specifications

Doors:

- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

Mounting:

- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

Hand:

- Field reversible, specify RHR, LHR, RH or LH

Top and Bottom Bolts:

- Stainless steel. Top and bottom bolt travels 7/16" (11mm). Projection adjustable up to 1" (25mm)

Latching:

- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

Strikes:

- 650 Top Strike, 606 Bottom Strike, standard

Cylinder:

- #41 Mortise Cylinder

Trim Options

ER and ES controls are ET controls with back plates.

- **Back plates:**
  - Mounted between the trim and the door
  - Required for wood doors (WD-)
  - Optional for metal doors
  - May be used to cover existing door preps



How to specify and order ET Trim without a vertical rod:

Specify either H1 or H2 in the order string

- For 7000 Series multi-point vertical rods: H1-706-2-ER/ES/ET*, H1-713-2-ER/ES/ET*, H1-715-2-ER/ES/ET*

*Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Key Override/Auxiliary Control

100 Series Auxiliary Control offers key override for Harmony 7000 Series.

- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

To order, add 106 or 113 to the order string after the hand designation.

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7000 Series Multi-Point Vertical Rod

Harmony Series

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7000 Multi-Point Vertical Rods

		Series	Type[1]	Outside Function	Inside Function
With:	Fail Safe, Night Latch (Key/lever retracts latch)	H1 or H2	70/AD70/WD70*	73	06
	Fail Safe, Entrance (Key locks/unlocks lever)	H1 or H2	70/AD70/WD70*	73	13
	Fail Safe, Passage Only (No cylinder)	H1 or H2	70/AD70/WD70*	73	15
	Fail Secure, Night Latch (Key/lever retracts latch)	H1 or H2	70/AD70/WD70*	74	06
	Fail Secure, Entrance (Key locks/unlocks lever)	H1 or H2	70/AD70/WD70*	74	13
	Fail Secure, Passage Only (No cylinder)	H1 or H2	70/AD70/WD70*	74	15

[1] Specify 70 for metal doors, AD70 for aluminum doors, or WD for wood doors.
* WD7000 Series is only available with ER and ES trim.

Ordering Harmony 7000 Series Vertical Rod Locks***

Options	Series*	Type	Function	Reader/ Solenoid**	Configuration****	Trim/Lever	Hand	Aux Control (optional)	Finish	Opening Height	AFF
Select from pages 25-27	H1 or H2	Select from 7000 Series Function Chart above		12V or 24V		ER/ES/ET followed by lever designation from pages 16-20	RHR, LHR, RH, LH	106 or 113	Select from page 16	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	H2	70	7306	12V	IV	ETL	RH	106	26D	84"	35-7/8"

* H1 and H2 cannot be combined on the same opening.
** The Harmony H1 reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid. For H2, reader and solenoid can be either 12VDC or 24VDC
*** To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
**** For H2 only. See table below:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

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7000 Series Multi-Point Vertical Rods

Harmony Series

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Electric Latch Retraction Option (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



Electric Latch Retraction Features

- 5 year warranty
- Patent pending
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant.
- Current draw:
  H1 Reader:
  – 12VDC (150 mA)
  H2 Reader:
  – 12VDC (150 mA) or 24VDC (150 mA)
  ELR 7000 Series Vertical Rod Lock:
  – 24VDC (700 mA during retraction, 150 mA maintained)
  – 12VDC (850 mA during retraction, 250 mA maintained)
- Power Requirements: 24 or 12VDC regulated/filtered power supply (3500 Series)
- Available for 7000 series only
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 4341 Push Button Switch (momentary)

7000 Series Multi-Point Vertical Rods with Electric Latch Retraction (ELR)

	Function Descriptions	Outside Functions Available	Inside Functions Available
01	Blank escutcheon plate	•	
06	Key unlocks trim; trim retracts latch; trim relocks when key is removed	•	•
10	No outside operation (no cylinder); pull only	•	
13	Classroom key unlocks/locks trim; #41 cylinder supplied	•	•
15	Passage only (no cylinder)		•
16	Key unlocks/locks trim	•	•
40	Freewheeling trim; no outside operation	•	
43	Freewheeling trim; key unlocks/locks trim	•	•
46	Freewheeling trim; key unlocks trim; trim retracts latch/trim relocks when key is removed	•	•

Ordering Harmony 7000 Series Vertical Rod Locks with Electric Latch Retraction (ELR)***

Options	ELR	Series	Type	Outside Function	Inside Function	Reader**	Configuration****	Trim/ Lever	Hand	Finish	Opening Height	AFF
Select from pages 25-27	Specify ELR option	H1 or H2	70 (metal doors) AD70 (aluminum doors) WD70 (wood doors)	Select from chart above	Select from chart above	12V or 24V		ER/ES/ET followed by lever designation from pages 16-20	RHR, LHR, RH, LH	Select from page 16	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	ELR	H2	70	6	43	12V	IV	ETL	RH	26D	84"	35-7/8"

* H1 and H2 cannot be combined on the same opening.

** The Harmony H1 reader is always 12VDC. For H2, the reader can be either 12VDC or 24VDC.

*** To order Harmony locks compatible with the UTC 5502 Format, please contact UTC Fire & Security.

**** For H2 only. See table below:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

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FM7300 Series Multi-Point Locks

Harmony Series

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The Harmony Series FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.

Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Features EcoFlex® Technology
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

H1 Series* Electrical Features

- Supports 125 kHz HID Proximity credentials
- H1: Lock 12-24VDC
- H1: Reader always 12VDC

H2 Series* Electrical Features

- Supports 13.56 MHz HID iCLASS SE credentials
- H2: Lock 12-24VDC
- H2: Reader 12VDC or 24VDC

Escutcheons

- Solid cast escutcheons
- Operating temperature -40°F (-40°C) to 151°F (66°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"



Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

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FM7300 Series Multi-Point Locks

Harmony Series

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Harmony Series Multi-Point Functions

All Harmony Multi-Point Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

Harmony Multi-Point Lock Functions

	Then select:		
	Series	**Type**	**Function**
No key override with deadbolt			
Fail Safe	H1 or H2	FM73	284
Fail Secure	H1 or H2	FM73	285
Key override with deadbolt			
Fail Safe	H1 or H2	FM73	280
Fail Secure	H1 or H2	FM73	281

Ordering Harmony Mortise Locks***

Options	Series	Type	Function	Reader/Lock Voltage**	Configuration****	Roses	Levers	Finish	Hand
Select from pages 25-27	Select H1 for 125 kHz prox Select H2 for 13.56 MHz iCLASS SE	Select from Harmony Mortise Lock Function chart above		12V or 24V		Select rose, lever and finish from pages 16-20			RHR, LHR, RH or LH
Example:	H1	FM73284		12V		LN	MX	03	RH

*H1 and H2 cannot be combined on the same opening.
**With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage. For H2, reader and lock can be either 12VDC or 24VDC.
***To order Harmony locks compatible with the Casi 5502 Format, please contact Lenel.
**** For H2 only. See table below:

[blank]	Standard iCLASS SE
IV^	PIV Credential Support, 200 bit binary output (PAM compliant)
IV-0C^	PIV Credential Support, 64 bit BCD output (PAM Compliant)
IV-0D^	PIV Credential Support, 128 bit BCD output (PAM Compliant)

^All IV configurations support CIV and PIV-I fallback (128 Bit GUID)

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  – To order, add the IDP- prefix to your order string

Ordering Examples

R01-IDP-H2-FM73284-12V-LN-MD-26D-LHR
R04-PHR-IDP-H1-FM73285-24V-LN-MD-26D-RHR

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Roseless Trim, Standard & Coastal Series Levers & Finishes

Harmony Series

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Harmony Series products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. Harmony Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). Harmony Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

Note: Exit devices are not available with roses; exits are only available with ET Trim.

Standard and Coastal Levers

Standard Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: H1/H2-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses and roseless)

Coastal Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: H1/H2-8200/R8200 Mortise Locks with Coastal Series Levers are available with CR & TR roses and roseless trim** (Not available with LN, O, CO & TO roses).

** Except C Lever

Finishes

SARGENT offers many different finishes for Harmony products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cyl.	Exit	Vertical Rod
03	Bright brass	605	X	X	X	X
04	Satin brass	606	X	X	X	X
09	Bright bronze	611	X	X	X	X
10	Satin bronze, clear powder	612	X	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X	X
10BE	Dark oxidized satin bronze — equivalent	613E	X	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X	X
15‡*	Satin nickel, clear coated	619	X	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X	X
26‡	Bright chrome	625	X	X	X	X
26D‡*	Satin chrome	626	X	X	X	X
32∞	Bright stainless steel	629	X	–	X	–
32D∞*	Satin stainless steel	630	X	–	X	–

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly.

∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly.

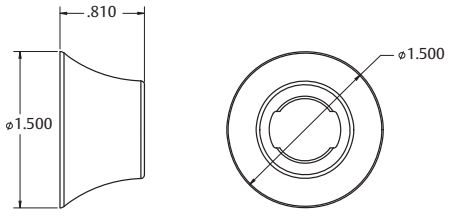
*Available with MicroShield®

Simplí™ Roseless Trim



This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí creates a flawless aesthetic vision on any door opening.
Simpli is offered on the Harmony R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the Harmony R8200 Series, Simpli is also available with the RDL Series tubular locks and R8200 Series mortise locks.

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Harmony R8200 Series with Simpli trim is available with most 8200 functions
- Simpli roseless trim is available with Coastal Series and many Studio Collection levers (except MC, MK, MN, MP, MT, Gramercy Series, Wooster Square, Grant Park, and Berlin)
- Selected levers return within ½" of the door face
- Simpli roseless trim is not compatible with the Harmony 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- For UL 294 requirements, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE



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Studio Collection Levers

Harmony Series

Authorized Channel Partner
ASSA ABLOY

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ASSA ABLOY

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series


MC[2,3]


MD


MJ


MP[2,3]


ND[1]


NJ[1]

Notting Hill Series

(MA & MO are Non-Handed Levers)


MA[3]


MQ[3]


MT[2,3]


MM[3]


MY[1,3]


MO[3]


MZ[1,3]

Aventura Series


MB


ME


MF


NF[1]


MG


MI


MW[1]

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[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Not available in 32D or 32 finish

Studio Collection Levers

Harmony Series

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Odéon Series[5]

(Handed Levers)


MN[2]


MH


MK[2]


MS


MU


MV


MX[1]


NS[1]


NU[1]

Gramercy Series[2,3]


RCM


RAL


REM


RAM


RAS


RAG


RGM

Berlin Series[2]


H015


H016[1]


H017


H018

Wooster Square[2,4]


H001


H002[1]


H003


H004


H005[1]


H006[1]

Grant Park[2]

(H008 Lever is Handed)


H007


H008


H009


H010


H011

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[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Gramercy levers are customized. See page 19 for ordering information
[4] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[5] Not available in 32D or 32 finish

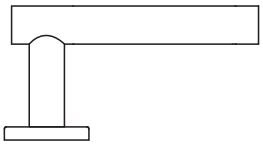
Ordering Gramercy Series Levers

Harmony Series

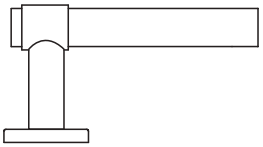
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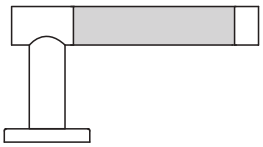
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: SE LP10 8200 Series Mortise Locks with Gramercy Levers; available with LN, CR, TR, O, TO & CO roses (not available with roseless)

Options	Function	Lock Voltage*	Outside Electrical Trim	Reader Color	Credential Modifier	Rose	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
Select from pages 25-27	Select from page 5	12VDC or 24VDC	Select IPS for standard multiCLASS Select FIPS for FIPS 201 compliant multiCLASS	Default is black, specify G for gray	IPS: 03 for standard indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select from page 20	Leather insert	Polished or satin stainless	Black or brown	Polished or satin stainless	RHR, RH, LHR, or LH
10-	274	12VDC	IPS	G	03	LN	RAL	29	BN	29	RH

* With H1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.
For H2, reader and lock can be either 12VDC or 24VDC.

How to Order: SE LP10 80 Series Exit Devices with Gramercy Levers and ET trim

Options	Type	Functions	Rail Size	Reader/ Solenoid	Outside Electrical Trim	Reader Color	Credential Modifier	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
Select from pages 25-27	Select from 80 Series Exit Device Function chart from page 7		E, F, J or G	12VDC or 24VDC	Select IPS for standard multiCLASS Select FIPS for FIPS 201 compliant multiCLASS	Default is black, specify G for gray	IPS: 03 for standard indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	ET Series	Leather insert	Polished or satin stainless	Select from above	Polished or satin stainless	RHR or LHR	Select from page 16	
10-	89	73	F	12VDC	IPS	G	03	ET	RAL	29	BN	29	RHR	32D	36"

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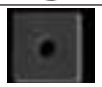
Rose Designs and ET Trims

Harmony Series

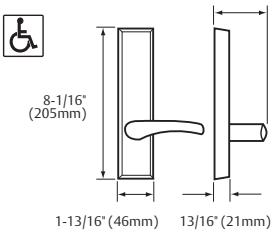
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Roses

Roses	Design	Diameter	Mortise	Cylindrical
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X
E2		2-11/16" h	X	
E3		2-1/16" h	X	
E4		3-1/4" h x 2-1/16" w	X	

ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all Harmony 80 Series exit devices

ET Escutcheons and levers are plated brass

Stainless steel levers are available

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Access Credentials

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Below are 125 kHz proximity and 13.56 MHz iCLASS credentials offered by SARGENT. Other credentials (125 kHz proximity and 13.56 MHz iCLASS, 26-39 bit formats) can be purchased from HID.

Credential Features

- 26 bit Wiegand format available (consult factory for additional formats)
- HID-based proximity cards, fobs, tags or iCLASS cards
- Allows integration into existing facilities with HID-based technology
- SARGENT standard credentials are 26 Bit Wiegand format, Site Code and Proximity ID assigned by SARGENT
- Custom credentials available with customer assigned ID#'s, Facility Code, etc. Consult Factory

Product #	Features	Image
PCH-C30 PCH-C30-C *Custom - Consult Factory	SARGENT HID iCLASS 210 • Site Code and Proximity ID#'s determined and controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 13.56 MHz • Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm) • Thickness: .031" nom. (1.8mm) • Cards ordered individually*** (Min. Order is 25 Cards)	
PCH-P30 PCH-P30-C *Custom - Consult Factory	ISOProx® II Card • Site Code and Proximity ID#'s determined and Controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm) • Thickness: .031" nom. (0.84mm) • Blank Cards can be printed on by others • Cards ordered individually*** (Min. Order is 25 Cards)	

MicroProx® Tag Transponders

The MicroProx Tag is a coin-sized (disk-shaped) transponder that provides the ability to add HID proximity technology to a device. The MicroProx Tag has an adhesive backing which allows it to be secured to any non-metallic object.

- Easily Secured To: Employee badges, PDAs, Magnetic stripe cards, Cell phones
- 26 Bit Format, HID Coded Wiegand Output 125kHz
- Gray color with HID Logo
- Proximity ID# marked on each Tag
- Dimensions: 1.285" Dia. x 0.070" (32.6mm x 1.78mm)



MPT	- Site Code and Proximity ID#'s determined and controlled by SARGENT - MicroProx Tag ordered individually*** - Minimum order is 25 MicroProx Tag	NOTE: The MicroProx Tag should be attached to magnetic stripe cards so that contact with the magnetic card reader is avoided.
MPT-C	- Site Code and Proximity ID#'s requested by customer - MicroProx Tag ordered individually*** - MicroProx Tag with custom Site Code, consult factory for minimum quantities	

SARGENT ProxKey® III		
PF	PF SARGENT ProxKey III • Site Code and Proximity ID#'s determined and controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm) • Key ring sold separately (part no. 57-0001-02) • SARGENT ProxKey III ordered individually*** (Minimum order is 25 ProxKey III)	
PF-C	PF-C Custom ProxKey III • Site Code - requested by customer • Proximity ID#'s requested by customer • 26 Bit Format, HID Coded Wiegand Output 125kHz • 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm) • Key ring sold separately (part no. 57-0001-02) • PF-C Custom ProxKey III ordered individually*** (Minimum order is 100 Custom ProxKey III)	

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multiCLASS Readers

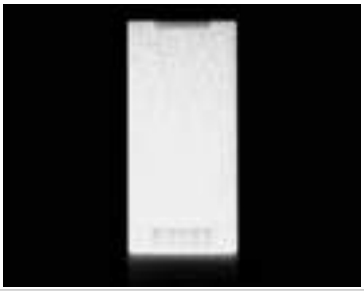
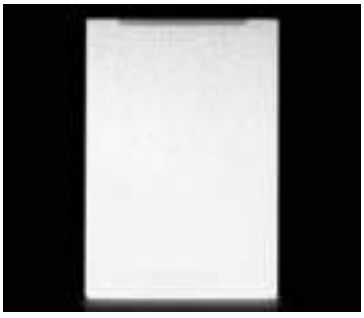
Harmony Series

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ASSA ABLOY

SARGENT is proud to offer this line of HID multiCLASS readers for your use with 125 kHz prox-enabled systems. For security managers, dealers, integrators and OEMs, HID credential technology and multiCLASS readers are recognized as the industry standard for physical access control. Featuring multiCLASS technology, HID products are robust, affordable, and seamlessly integrate with all popular access control systems.

multiCLASS Readers

Product #	Features	Image
WR01-P **WR01-T**	• Mini-Mullion Size multiCLASS Reader • Measures 4.1" High, 1.9" Wide, .9" Deep • Mounts in U.S. Single Gang J-box; 5-16 VDC Linear supply recommended • Available with either Pigtail (-P) or Terminal Block (-T) • Wiegand interface • HID Product: R10 • Supported Credentials: HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled), ISO 14443 UID, HID Prox	
WR02-P **WR02-T**	• Mullion Size multiCLASS Reader • Measures 6" High, 1.9" Wide, .9" Deep • Mounts in U.S. Single Gang J-box; 5-16 VDC Linear supply recommended • Available with either Pigtail (-P) or Terminal Block (-T) • Wiegand interface • HID Product: R15 • Supported Credentials: HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled), ISO 14443 UID, HID Prox	
WR03-P **WR03-T**	• Wall Switch Size multiCLASS Reader • Measures 4.8" High, 3.3" Wide, 1.1" Deep • Designed to mount and cover single gang switch boxes • Mounts in U.S. Single Gang J-box; 5-16 VDC Linear supply recommended • Available with either Pigtail (-P) or Terminal Block (-T) • Available with Wiegand interface • HID Product: R40 • Supported Credentials: HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled), ISO 14443 UID, HID Prox	
WR04-P **WR04-T**	• Wall Switch Size multiCLASS Reader with Keypad • Measures 4.8" High, 3.3" Wide, 1.1" Deep • Designed to mount and cover single gang switch boxes • Mounts in U.S. Single Gang J-box; 5-16 VDC Linear supply recommended • Available with either Pigtail (-P) or Terminal Block (-T) • Available with Wiegand interface • Keypad Data: Buffer one key, no parity, 4 bit message • HID Product: RK40 • Supported Credentials: HID Mobile Access Mobiles IDs via NFC and Bluetooth Smart - reader equipped with Bluetooth Smart module. Also supports iCLASS Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic (SIO-enabled), MIFARE DESFire EV1 (SIO-enabled), ISO 14443 UID, HID Prox	

How to Order: Specify SARGENT Product #: e.g., WR02-P

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Gaskets & Wiegand Test Unit

Harmony Series

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Weather Seal Gasketing

- Provides a seal between outside escutcheon & the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)



52-0791

Gasket for use between the Interior Escutcheon and the door for Harmony Series Bored Locks



52-0792

Gasket for use between the Exterior Escutcheon and the door for Harmony Series Bored Locks and Exit Devices



52-0793

Gasket for use between Interior Escutcheon and the door for Harmony Series 8600, Harmony Series 8800 & Harmony Series 8900 Exit Devices



52-0795

Gasket for use between the Interior Escutcheon and the door for Harmony Series 8200 Mortise Locks



52-0796

Gasket for use between the Exterior Escutcheon and the door for Harmony Series 8200 Mortise Locks



52-0263

Gasket for use between the ET Trim and the door for Harmony Series Exit Devices

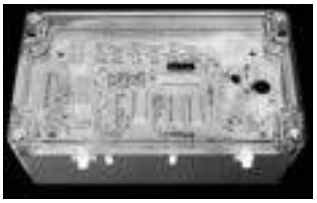
Wiegand Test Unit (WT1)

Developed for SARGENT Harmony Series, the ASSA ABLOY Wiegand Test Unit verifies your Harmony installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. In addition, this tool provides product demonstration abilities to highlight the product's features and capabilities.

Features:

- 12 or 24VDC lock voltage adjustable
- Operates in Fail Safe or Fail Secure
- "Learn" mode allows testing of specific cards without programming at the panel level
- Card reader data integrity is validated at test unit
- Works with Harmony H1 and H2 Series
- WT2 available with LCD Display.
- Card Data Output
- EOL Resistor Output

Wiegand Test Unit



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Power Supplies and 10 Line Strike Option

Harmony Series

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

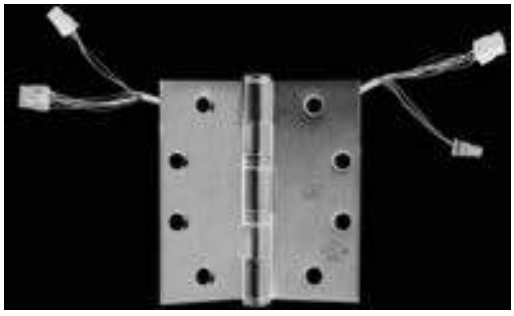
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Harmony Series hardware to the electronic access control system, the following items are required:

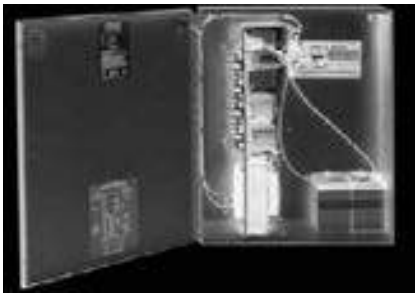
- Harmony mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKinney)
- Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKinney or Securitron
- ElectroLynx cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC12 ElectroLynx hinges (or McKinney EL-EPT) are recommended for Harmony applications



12VDC & 24VDC Power Supplies:



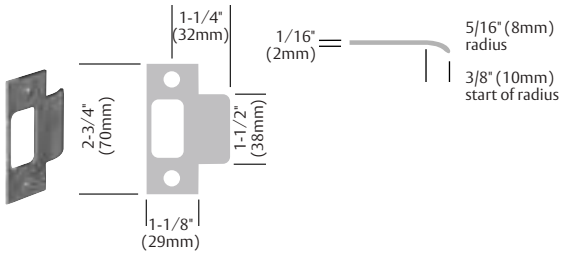
- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

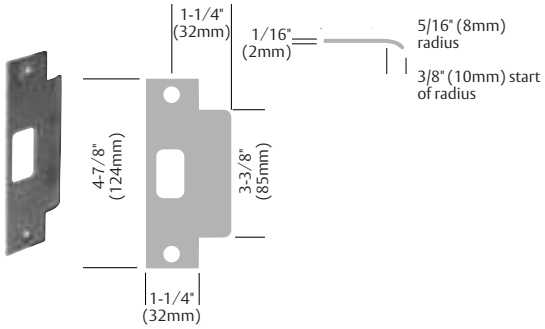
SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

H1/H2-10 Line Strikes:

2-3/4" Curved Lip Strike – Standard



4-7/8" Curved Lip Strike: To order specify 28- prefix



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Mechanical Options

Harmony Series

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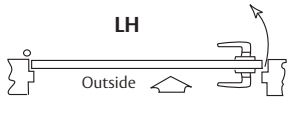
SARGENT
ASSA ABLOY

To order options listed below, list the alpha or numerical code before the product model number

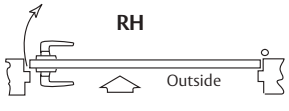
Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Brass Bottom Bolt	**14-**	Sliding brass bolt bottom case (non-fire rated 8700 devices only)
Cylinder Dogging	**16-**	Cylinder lock down (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Integrated Door Position Switch	**IDP-**	Integrated door position switch (8200 mortise locks only) patent pending
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
Security Fasteners	**36-**	6 Lobe head security screws (Torx® type) (Not available with R8200 mortise locks)
	37-	Spanner head screws (Not available with Studio levers)
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	**43-**	Flush End Cap
Electric Latch Retraction	**56-**	Electric Latch Retraction (exit devices only)
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal levers and the A lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or push rail for exits) (Not available with Studio & Coastal levers)
	86-	Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio & Coastal levers)
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or push rail for exits) (Not available with Studio & Coastal Levers)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (available for 15, 26D, and 32D finishes)
Top Rod Only	**NB-**	Less bottom rod & bolt (for MD/WD/AD8600 CVR devices, 8700 SVR devices, and 7000 Series multi-point vertical rod locks only)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Through-Bolts	**TB-**	Through-Bolts
Windstorm Options	**HC-**	Hurricane Code (rim and surface vertical rod exit devices only, see page 28 for details)
	HC4-	Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 28 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 28 for details)

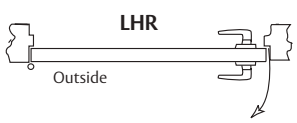
Handing



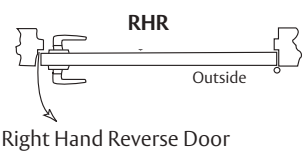
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

Note: More Cylinder Options on the following page.

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Cylinder Options

Harmony Series

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

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Cylinder Options & Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Special Cams	**47-**	Special Cams for mortise cylinders
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

Hardware	Shipping Weight	Pc. Count/Carton
H1-/H2-82280/82281 x lever trim (with cylinder & DB)	11.7 lbs (5.3 kg)	1/carton
H1-/H2-82270/82271 x lever trim (with cylinder)	11.2 lbs (5.1 kg)	1/carton
H1-/H2-82284/82285 x lever trim (w/o cylinder & w/ DB)	11.2 lbs (5.1 kg)	1/carton
H1-/H2-82274/82275 x lever trim (w/o cylinder & DB)	10.7 lbs (4.9 kg)	1/carton
H1-/H2-10G270/271 with lever	10.1 lbs (4.6 kg)	1/carton
H1-/H2-8973/74/75/76 with ET	23.0 lbs (10.4 kg)	1/carton
H1-/H2-8873/74/75/76 with ET	21.0 lbs (9.5 kg)	1/carton
H1-/H2-8773/74 with ET	28.0 lbs (12.7 kg)	1/carton
H1-/H2-MD8673/74 with ET	27.0 lbs (12.2 kg)	1/carton

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Windstorm Certifications: UL Listed & Florida Building Codes

Harmony Series

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Sargent Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

Harmony 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

Harmony 8200/R8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

Harmony HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- Harmony HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

Harmony HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- Harmony HC4-8700 for single and double door applications up to 150 psf; 8'-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL12712.2

Harmony WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- Harmony WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

Harmony WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- Harmony WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90645 04/21

Product Catalog

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ASSA ABLOY

SE LP10

multiCLASS SE® and PIV Compatible Solutions

Available through Authorized Channel Partners only.
Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.



Experience a safer and more open world

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SE LP10

Authorized Channel Partner
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As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

MicroShield®

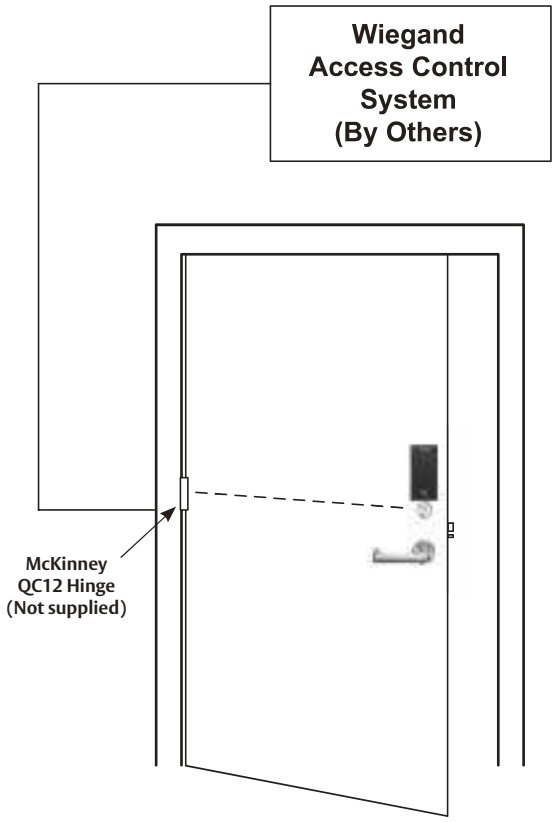
ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion®
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

SE LP10 Series Typical Application



On the Cover

M1-82274 x LNNI Mortise Lock with the NI Studio Collection lever

EFFICIENT • FLEXIBLE • DEPENDABLE
EcoFlex®

EcoFlex™ Technology

- Reduces energy consumption up to 96% for electrified mortise locks and up to 95% for electrified exit trims, as certified by GreenCircle
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

A SUSTAINABLE SOLUTION
GreenCircle CERTIFIED
CERTIFIED ENERGY SAVINGS

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Overview, Features and Electrical Specifications

SE LP10

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Overview

The SE LP10 combines a card reader, Door Position Switch (DPS), and Request-to-Exit (REX) signaling in a sleek, pleasing design backed by SARGENT Grade 1 hardware. SE LP10 is available in configurations for 8200 and R8200 Mortise Locks, 10 Line Cylindrical Locks, a variety of 80 Series Exit Devices, and 7000 and FM7300 Multi-Point devices. The SE LP10 exit devices are available UL Listed for use on fire-rated doors*.

SE LP10 products are easily integrated into a Wiegand-compatible access control system. All SE LP10 products (except electric latch retraction variants) offer Fail Safe or Fail Secure operation.

The SE LP10 brings a new level of flexibility to SARGENT Integrated Wired access control solutions.

SE LP10 multiCLASS SE® Solution
Featuring multiCLASS SE® technology from HID Global®, the SE LP10 supports multiple industry leading credentials, making it ideal for mixed credential populations and facilities transitioning to higher security credentials.

SE LP10-F PIV Compatible Solution
Also featuring HID multiCLASS SE™ technology, the SE LP10-F is designed for secure physical access projects that must comply with Personal Identity Verification (PIV) standards under Federal Information Processing Standards (FIPS) 201. The SE LP10-F product line supports SP 800-116 Uncontrolled Security Areas, and offers a simple-to-deploy, cost-effective turnkey solution for facilities implementing PIV compatible physical security.

HID Mobile Access® Compatible
HID Mobile Access merges security with convenience by enabling a smartphone and other mobile devices to securely open a door. This unique solution enables Bluetooth Smart-enabled multiCLASS SE® readers to activate with a close range "tap" of a smartphone, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT SE LP10 is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install & service our technology products, including Aperio® Wireless, Integrated Wired, IP-enabled and self-configurable intelligent components:

Sold through
Authorized Channel Partner
ASSA ABLOY

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

To be installed by
Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Sophisticated Access Control Solution

- Features HID Global's Secure Identity Object (SIO™) digital credential technology to provide advanced security and performance
  - SIO digital credentials support data authenticity and privacy by binding information to a specific credential for additional authentication and encryption on top of device-specific security
- Features HID® multiCLASS SE® technology to support multiple credentials
  - Ideal for mixed credential environments and offers easy migration to higher security credentials and HID Mobile Access® powered by Seos®.
    - 2.4 GHz credentials:
      - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
    - 13.56 MHz credentials:
      - Secure Identity Object™ (SIO) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1/EV2 and MIFARE Classic (on by default)
      - Standard iCLASS Access Control Application, ISO14443A (MIFARE) CSN, ISO14443B CSN, and ISO15693 CSN
      - ISO14443A/B (PIV-compatible Transparent FASC-N read) available with SE LP10-F
      - NFC-enabled mobile phones
    - 125 kHz credentials:
      - HID Prox®, AWID, EM4102
- Consolidates all components into the lock
  - Incorporates card reader, Door Position Switch (DPS) and Request to Exit (REX) signaling
  - Eliminates reader interface modules
- Significantly faster installation time, lower installed cost and reduced disruption
  - Requires only one cable run from the lock to the access control panel
  - Maintains architectural integrity around the door
- Open architecture platform is compatible with all standard access control systems
- Aesthetically complemented by SARGENT Studio Collection and Coastal Series levers - elegant design with ANSI Grade 1 hardware offering a complete hardware portfolio, including mortise locks, cylindrical locks and rim, surface and concealed vertical rod exit trim

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Note: HID and iCLASS are registered trademarks of HID Global Corporation.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Overview, Features and Electrical Specifications

SE LP10

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Common Features of SE LP10

- A hard-wired platform for use with existing Wiegand compatible access control systems
- Centralized control of all locks using customer's existing access control system
- For use on exterior doors
- A multi-colored LED indicates card read activity and can be manually controlled by access control panel
- Audible beep sounds with card read
- UL Listed for fire doors available (12- for exit devices) *
- UL Listed for Fire Doors Certified for Canada *
- Fail Safe or Fail Secure operation
- ElectroLynx® connector system reduces installation time and costs, improves reliability
- Monitoring is based on lock type selected
- Intelligent power management reduces reader power consumption by as much as 75%

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Specifications

Supplied power must be filtered and regulated

Cylindrical locks:

12VDC System

- Reader Draw = .125 Amp
- 12VDC Solenoid Draw = .500 Amp

24VDC System

- Reader Draw = .125 Amp (Reader is always 12VDC)
- 24VDC Solenoid Draw = .250 Amp

EcoFlex™ mortise locks, exit devices, or multipoint locks:

12-24VDC Systems

- Reader draw = .125 Amp
- Peak actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

56- exit devices:

12-24VDC Systems

- Reader Draw = .200 Amp (Reader is always 12VDC)
- 56- Motor Draw = 1.00 Amp inrush / .600 Amp during retraction / .250 Amp maintained

SE LP10-F PIV Compatible Solution

Featuring HID multiCLASS SE® technology, the SE LP10-F is designed for secure physical access projects that must comply with Personal Identity Verification (PIV) standards under Federal Information Processing Standards (FIPS) 201. The SE LP10-F product line supports SP 800-116 Uncontrolled Security Areas, and offers a simple-to-deploy, cost-effective turnkey solution for any facilities implementing PIV compatible physical security.

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8200 Series Mortise Locks

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The SE LP10 Mortise Lock product integrates SARGENT's 8200 and R8200 Series Grade 1 mortise lock into an existing Wiegand compatible access control system. The SE LP10 Mortise lock monitors the deadlatch as well as the latchbolt, producing SARGENT's "Latched and Secure" monitoring. This technology incorporates the deadlatch and latchbolt position in series, ensuring that the door is closed and the latchbolt is extended.

The SE LP10 mortise product has a clean, crisp design and is available with standard levers, Coastal Series levers and Studio Collection levers with roses or Simpli™ roseless trim in 13 hardware finishes. The use of similar lever designs across product lines provides uniformity within a facility. The mortise lock strength is unsurpassed and is enhanced by the deadbolt functions which meet Detention Impact Level One for additional security.

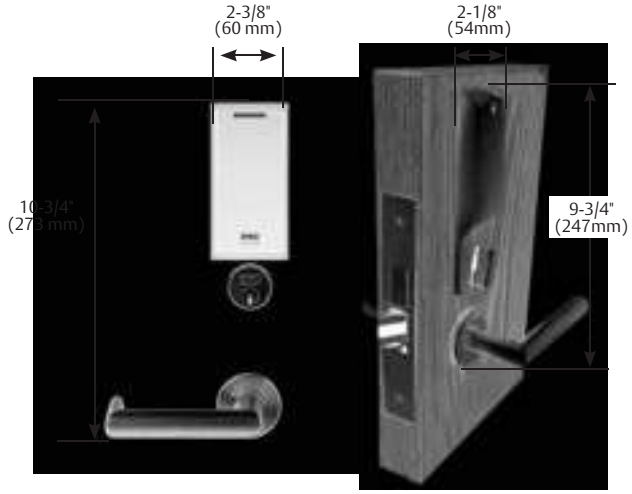
The SE LP10 multiCLASS SE® Mortise Lock is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
   - Listed to UL 294 (Access Control System Units)
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status
   - Product is NOT compliant to UL 294 (Access Control System Units)

Note: Alternate Indicator Configuration is not available for SE LP10-F.

Mechanical Features

- Certified ANSI/BHMA Grade 1
- 3/4" stainless steel, anti-friction reversible latch
- 1" hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Available with Studio Collection, Coastal Series, and standard lever designs. Simpli™ roseless trim also available when used with an R8200 lockbody.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Key override requires a #41 cylinder standard
- Handed lockbody, easily field reversible without opening lockbody
- Trim is through-bolted for increased security and durability
- Features EcoFlex® technology
- SE LP10 8200 Mortise Lock Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 25 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*



M1-82281 shown with MB Studio Collection Levers and LN roses

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

*UL294 listing available with 03 and 04 credential modifier only. See Ordering SE LP10 Mortise Locks for more detail.

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8200 Series Mortise Locks

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SE LP10 Mortise Lock Functions

All SE LP10 Mortise Functions feature:

- Trim outside rigid unless unlocked electronically
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit monitoring
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

SE LP10 Mortise Lock Functions

If the lock needs to have:	Then select:		
	Series	Type*	Function
No key override and no deadbolt			
Fail Safe	M1	82	274
Fail Secure	M1	82	275
No key override with deadbolt			
Fail Safe	M1	82	284
Fail Secure	M1	82	285
Key override and no deadbolt			
Fail Safe	M1	82	270
Fail Secure	M1	82	271
Key override and deadbolt			
Fail Safe	M1	82	280
Fail Secure	M1	82	281

* Specify R82 for the R8200 lockbody with Simpli™ roseless trim.

Ordering SE LP10 Mortise Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier	Roses	Levers	Finish	Hand
Select from pages 28-30	Select M1	Select from SE LP10 Mortise Lock Function chart above		12V or 24V	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
Example:	M1	R82274		12V	IPS	03	R	MX	03	RH
Example:	M1	82271		12V	FIPS	03	R	MX	03	LHR

**With M1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision
  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision
  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.
  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas
  – To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.
  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.
  – To order, add the IDP- prefix to your order string

Ordering Examples

R01-IDP-M1-82271-12V-IPS-03-LN-MD-26D-LHR
R04-PHR-IDP-M1-82280-24V-IPS-03-LN-MD-26D-RHR

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10 Line Cylindrical Locks

SE LP10

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The SE LP10 10 Line Cylindrical Lock offers the ability to seamlessly integrate Grade 1 security into an existing Wiegand compatible access control system. Door monitoring capabilities include a Request-to-Exit sensor which monitors movement of the inside lever and external Door Position Switch (3287).

The SE LP10 10 Line Cylindrical Lock has a clean, crisp design and is available with many lever styles and eleven hardware finishes. The ability to use similar lever designs across the three product offerings provides uniformity when used throughout a facility.

The SE LP10 multiCLASS SE® Cylindrical Lock is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
   - Listed to UL 294 (Access Control System Units)
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status
   - Product is NOT compliant to UL 294 (Access Control System Units)

Note: Alternate Indicator Configuration is not available for SE LP10-F.

Mechanical Features

- Certified and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- "Request-to-Exit (REX)" signaling standard
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard. 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Heavy duty lever spring return
- Steel mounting studs
- Key override standard
- SE LP10 10 Line Windstorm Information
  - UL Listed per ANSI/SDI-BHMA A250.13
  - UL Certification Directory ZHEM.R21744 Latching Hardware
  - UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
  - Listed on Florida Building Code Website: FL6728-R1
  - Listed on Florida Building Code Website: FL4351-R1 (see Page 25 for additional information)
- Listed to UL 294 (Access Control System Units); Directory ALVY. BP10423*

Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

SE LP10 Series 10 Line Cylindrical Lock Functions

270 Fail Safe - Power off unlocks outside trim

271 Fail Secure - Power off locks outside trim

- Key outside always retracts latch
- Lever outside rigid except when trim is unlocked electronically
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit signaling standard
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features on page 8)
- 10 Line Levers and Roses are shown on page 22

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*UL294 listing available with 03 and 04 credential modifier only. See Ordering SE LP10 Cylindrical Locks for more detail.
**With M1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid.
***28- Option supplies a 4-7/8" Strike, oppose to the 2-3/4" T strike supplied standard (see page 28 for details)

10 Line Cylindrical Locks

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SE LP10 Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Solenoid 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

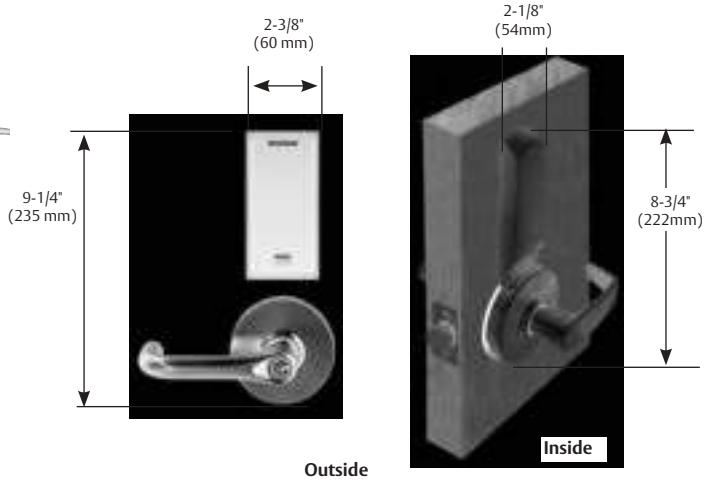
SE LP10 Cylindrical Lock Functions

If the lock needs to have:	Then select:		
	Series	Type	Function
Key override			
Fail Safe	M1	10G	270
Fail Secure	M1	10G	271

3287 Door Position Switch (DPS)

- SPDT concealed switch (3 wire)
- Contacts rated .50 Amp @ 12VDC
- Contacts rated .25 Amp @ 24VDC
- Requires 1" diameter hole





Ordering SE LP10 Cylindrical Locks

Options	Series	Type	Function	Solenoid**	Outside Electrical Trim	Credential Modifier	Roses	Levers	Finish	Hand
Select from page 28-30	Select M1	Select from SE LP10 Cylindrical Lock Function chart above		12V or 24V	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
28-***	M1	10G	270	12V	IPS	03	L	G	03	RH
Example	M1	10G	271	24V	FIPS	04	L	G	03	RH

*UL294 listing available with 03 and 04 credential modifier only. See Ordering SE LP10 Cylindrical Locks for more detail.
**With M1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the solenoid.
***28- Option supplies a 4-7/8" Strike, oppose to the 2-3/4" T strike supplied standard (see page 28 for details)

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80 Series Exit Devices

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The SE LP10 Exit Device product selection is SARGENT's most extensive exit device access control offering including 8800 Rim Exit Devices, 8900 Mortise Exit Devices, 8700 Surface Vertical Rod (SVR) Exit Devices and 8600 Concealed Vertical Rod (CVR) Exit Devices.

The SE LP10 multiCLASS SE® Cylindrical Lock is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
   - Listed to UL 294 (Access Control System Units)
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status
   - Product is NOT compliant to UL 294 (Access Control System Units)

Note: Alternate Indicator Configuration is not available for SE LP10-F.

Mechanical Features:

- Certified ANSI/BHMA A156.3 Grade 1
- Listed to UL 294 (Standard of Safety for Access Control System Units); Directory ALVY.BP10423*
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Always allows free egress
- Trim outside rigid at all times unless unlocked electronically
- Request-to-Exit (REX) Signal Switch activated by pushing rail
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring (see DPS features, page 8)
- 80 Series Levers are shown on page 22-25
- Features EcoFlex™ technology

Description of Functions: (see chart below)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override Key outside retracts latch when trim is locked electronically

Concealed Vertical Rod/Surface Vertical Rod Models Feature:

- Key override is available for MD/WD/AD8600 CVR Devices (including NB-) with 106 Series Auxiliary Control
- Key override is available for 8700 SVR Devices with a 306 Series Auxiliary Control
- Key override is NOT available for NB-M1-8700 devices
- The AFF is 41" for Standard Applications; when a 100 or 300 Series Auxiliary Control is used, 38" AFF is recommended to meet local accessibility standards

SE LP10 Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock Motor 12VDC or 24VDC
- Reader always 12VDC
- Voltage must be specified
- Fail Safe or Fail Secure option

SE LP10 Exit Device Functions


8900 Mortise Exit Devices


8800 Rim Exit Devices


8700 Surface Vertical Rod Exit Devices


8600 Concealed Vertical Rod Exit Devices

	Mortise Exit			Rim Exit			SVR Exit			CVR Exit†		
If the lock needs to have:	**Then select:**											
	Series	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**	**Series**	**Type**	**Function**
No key override												
Fail Safe	M1	89	73	M1	88	73	M1	87	73	M1	MD86/WD86 /AD86	73
Fail Secure	M1	89	74	M1	88	74	M1	87	74	M1	MD86/WD86 /AD86	74
Key override												
Fail Safe	M1	89	75	M1	88	75	M1	–	–	M1	–	–
Fail Secure	M1	89	76	M1	88	76	M1	–	–	M1	–	–

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*UL294 listing available with 03 and 04 credential modifier only. See Ordering SE LP10 Exit Devices for more detail.

80 Series Exit Devices

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Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Proximity Reader Projection is approximately 3/4"

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)

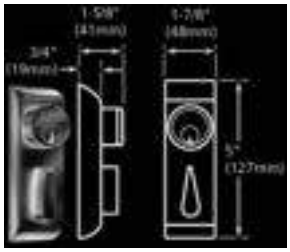
Key Override for M1-8600 & M1-8700

The 106 Series Auxiliary Control offers key override for MD/WD/AD8600 and NB-MD/WD/AD8600 Series Device.

Order example:
M1-MD8674F x 12VDC x IPS x 03 x ETL x 106 x RHR x 32D x 36" x 96

The 306 Series Auxiliary Control offers key override for 8700 Series Device (not available for NB-8700).

Order example:
M1-8773F x 12VDC x FIPS x 04 x ETL x 306 x RHR x 32D x 36" x 84"



Ordering SE LP10 Exit Devices

Options	Series	Type	Function	Rail Size	Motor**	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Select from page 28-30	Select M1	Select from Exit Device Function chart above		E: 24-32"; F: 33-36" J: 37-42"; G: 43-48"	12V or 24V	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	ET followed by lever designation from pages 22-25	RHR, LHR	Select from page 22	If supplied, rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail above Finished Floor (41" std)
Example:	M1	8773		F	12V	IPS	03	ETL	RHR	10B	36"	84"	41"
Example:	M1	8973		J	12V	FIPS	04	ETL	LHR	32D	42"	84"	41"

** The SE LP10 M1 reader is always 12VDC. Please select either 12VDC or 24VDC for the Motor.

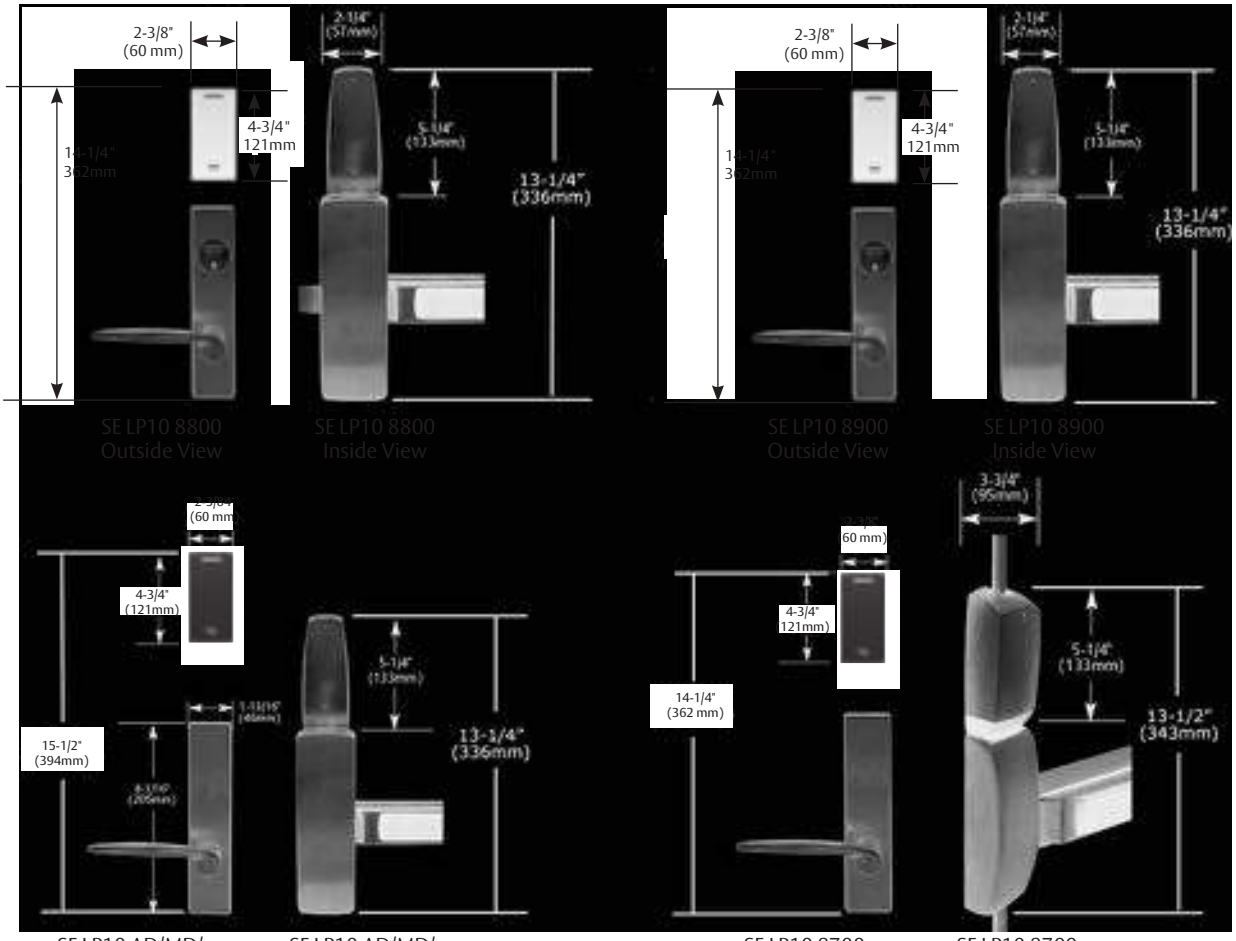
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80 Series Exit Devices

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SE LP10 8800 Outside View | SE LP10 8800 Inside View | SE LP10 8900 Outside View | SE LP10 8900 Inside View

SE LP10 AD/MD/ WD8600 Outside View | SE LP10 AD/MD/ WD8600 Inside View | SE LP10 8700 Outside View | SE LP10 8700 Inside View

How to specify and order ET Trim only (without Exit Device or Reader)

Specify N1 in the order string

- For 8900 Mortise Exit Devices: N1-773 ET*, N1-774 ET*, N1-775 ET* & N1-776 ET*
- For 8800 Rim Exit Devices: N1-773-8 ET*, N1-774-8 ET*, N1-775-8 ET* & N1-776-8 ET*
- For 8700 SVR Exit Devices: N1-773 ET* & N1-774 ET*
- For NB-8700 SVR Exit Devices: N1-773-8 ET* & N1-774-8 ET*
- For All 8600 CVR Exit Devices: N1-773-4 ET* & N1-774-4 ET*

* Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Exit Windstorm Information:

- SE LP10 (SE Series) 8900 is UL Certification Directory ZHLL.R21744 Windstorm-Rated Assemblies
- SE LP10 (SE Series) WS8900 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 25 for details)
- SE LP10 (SE Series) WS8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware and listed on Florida Building Code Website: FL4351-R1 (See Page 25 for details)
- SE LP10 HC8800 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21744 Latching Hardware, UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies and listed on Florida Building Code Website: FL2998-R2 (See Page 25 for details)
- SE LP10 HC4-8700 is UL Listed per ANSI/SDI-BHMA A250.13, UL Certification Directory ZHEM.R21774 Latching Hardware and listed on Florida Building Code Website: FL12712.2 (see page 25 for details)

Cylinder Sizes & Types for SE LP10 Exit Devices

Note: All mortise cylinders require a SARGENT standard offset cam (13-0664)

M1 Products	1-3/4" Door Thickness	1-3/4" Door Thickness with Weather Shield
M1-8900 Mortise Exit	# 46 Mortise (1-3/4")	# 46 Mortise (1-3/4")
M1-8800 Rim Exit	# 34 Rim	# 34 Rim
M1-8700 w/306 Control SVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")
M1-8600 w/106 Control CVR Exit	# 41 Mortise (1-1/8")	# 41 Mortise (1-1/8")

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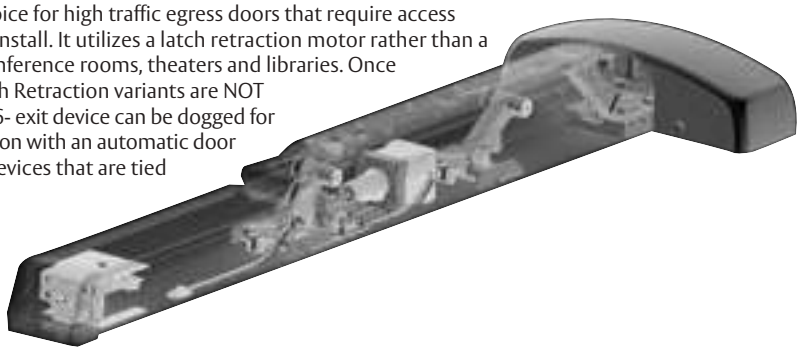
Electric Latch Retraction Option (56-)

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SARGENT's Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner. Electric Latch Retraction variants are NOT UL294 6th edition, BHMA A156.25 or ULC S319 compliant. The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.



The SE LP10 multiCLASS SE® 56- Exit Device is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status

Note: Alternate Indicator Configuration is not available for SE LP10-F.

56- Electric Latch Retraction Features

- 5 year warranty
- U.S. Patent No. 7,484,777; Additional patent(s) pending
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry; System actively monitors its position and adjusts itself
- UL Listed for Class II Circuitry
- Power Requirements (supplied power must be filtered and regulated):

  Reader: 12VDC (200 mA)

  Exit Device: 24VDC (1 A inrush 600 mA during retraction, 250 mA maintained)
- Minimum Door Widths:
  – Wide Stile Door 28"
  – Narrow Stile Door 28"
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option (e.g., 56-M1-8913F x ETMF x 32D x 36")

Accessories

Required

– 3520 24VDC 1 AMP Power Supply

– 3521 12VDC 1 AMP Power Supply

– Electric transfer device also required

Optional

– 881 Monitor Strike



Note: HK- and 16- are not available for Fire Rated Doors

Note: The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified

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Electric Latch Retraction Option (56-)

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Ordering SE LP10 Exit Devices with Electric Latch Retraction

Options	Series	Type	Function	Rail Size	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Door Width	Opening Height	AFF
Select from pages 28-30*	56-M1	Select from Exit Device Function page 14		E: 28-32"; F: 33-36"; J: 37-42"; G: 43-48"	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select trim/pull design from function chart below; for ET Trim, select lever design from pages 22-25	RHR, LHR	Select from page 22	If supplied, rails will be cut to size	Required for Vertical Rod Exit Devices	Center Line of Rail above finished floor (41" standard)
Example:	56-M1	87	10	F	IPS	03	FLL	RHR	32D	36"	84"	41"

* Available with the following mechanical options: 12, 16, HK, 19, 43, 76, 85, 86, 87, CPC, SG. See page 28 for detailed descriptions. See pages 29 and 30 for cylinder options

Function Description and Cylinder Information	SARGENT Function #	ANSI Function #
Night latch, key retracts latch #34 cylinder for 8800 #46 mortise cylinder for 8900 with ET #41 cylinder for 8900 with FLL, FLW, PTB, MAL, STS	04/44	03
Key unlocks trim, trim retracts latch/trim relocks when key is removed, #41 cylinder supplied	06/46	09
No outside operation (no cylinder), ET Control is used as pull only	10/40	02
Key unlocks/locks trim, #41 cylinder supplied	13/43	08

Pull Trim Options

SARGENT Function Number	ANSI Function Numbers	Description Cylinder Info. (1-3/4" Door)						
04	03	Night Latch (key retracts latch)	FLL/FSL	FLW/FSW	MAL/MSL	PTB/PSB	STS	862/863/864
10	02	Pull Only (no O/S operation)	FLL	FLW	MAL	PTB	STS	862/863/864

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Electric Latch Retraction Option (56-)

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SE LP10 56- Exit Device Functions

If the trim needs to be:		8900 Mortise Exit Devices				8800 Rim Exit Devices				8700 Surface Vertical Rod Exit Devices				8600 Concealed Vertical Rod Exit Devices[1]			
		Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type	Function	Rail Size	Trim/ Lever	Type[1]	Function	Rail Size	Trim/ Lever
With:	ET Control																
	Night Latch (Key retracts latch)	89	04	See chart page 13	ET x Lever	88	04	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
	Night Latch (Key/lever retracts latch)	89	06	See chart page 13	ET x Lever	88	06	See chart page 13	ET x Lever	87	06	See chart page 13	ET x Lever	AD86/ MD86/ WD86	06	See chart page 13	ET x Lever
	Dummy ET Trim (No cylinder override)	89	10	See chart page 13	ET x Lever	88	10	See chart page 13	ET x Lever	87	10	See chart page 13	ET x Lever	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever
	Entrance (Key locks/unlocks lever)	89	13	See chart page 13	ET x Lever	88	13	See chart page 13	ET x Lever	87	13	See chart page 13	ET x Lever	AD86/ MD86/ WD86	13	See chart page 13	ET x Lever
	Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	10	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86	10	See chart page 13	ET x Lever x 106

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
With:	Freewheeling ET Control																
	Night Latch (Key Retracts Latch)	89	44	See chart page 13	ET x Lever	88	44	See chart page 13	ET x Lever	–	–	–	–	–	–	–	–
	Night Latch (Key/lever retracts latch)	89	46	See chart page 13	ET x Lever	88	46	See chart page 13	ET x Lever	87	46	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	46	See chart page 13	ET x Lever
	Dummy ET Trim (No cylinder override)	89	40	See chart page 13	ET x Lever	88	40	See chart page 13	ET x Lever	87	40	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever
	Entrance (Key locks/unlocks lever)	89	43	See chart page 13	ET x Lever	88	43	See chart page 13	ET x Lever	87	43	See chart page 13	ET x Lever	AD86/ MD86/ WD86/	43	See chart page 13	ET x Lever
	Auxiliary Control for Cylinder Override with Dummy ET Trim	–	–	–	–	–	–	–	–	87	40	See chart page 13	ET x Lever x 306	AD86/ MD86/ WD86/	40	See chart page 13	ET x Lever x 106

		Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type	Function	Rail Size	Trim	Type[1]	Function	Rail Size	Trim
With:	Pull Trim																
	Night Latch (Key retracts latch)	89	04	See chart page 13	FLL, FLW, MAL, PTB, STS	88	04	See chart page 13	FSL, FSW, MSL, PSB, STS, 862, 863, 864	–	–	–	–	–	–	–	–
	Dummy Pull (No Cylinder Override)	89	10	See chart page 13	FLL, FLW, MAL, PTB, STS	88	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	87	10	See chart page 13	FLL, FLW, MAL, PTB, STS, 862, 863, 864	AD86/ MD86/ WD86	10	See chart page 13	862, 863, 864
	Auxiliary Control for Cylinder Override with 862 Pull Trim	–	–	–	–	–	–	See chart page 13	–	87	10	See chart page 13	306 x Pull (862, 863, 864)	AD86/ MD86/ WD86	10	See chart page 13	106 x Pull (862, 863, 864)

[1] 8600 CVR Exit Devices must be ordered as AD for aluminum doors, MD for metal doors, and WD for wood doors.

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7000 Series Multi-Point Vertical Rod

SE LP10

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The 7000 Series multi-point vertical rod provides flexibility, simplicity, strength, and durability by eliminating the need for automatic flushbolts and coordinators while maintaining the aesthetic appeal of the SE LP10 Integrated Wired locks. It is ideal for a wide variety of applications where exit devices are not required, including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions.

7000 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point device is specified with the NB- option. Rods are retracted by dual mounted controls with a variety of functions available on the outside trim.

The SE LP10 multiCLASS SE® 7000 series is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status

Note: Alternate Indicator Configuration is not available for SE LP10-F.

Features

- Designed for aluminum, metal, and wood door applications with 2-1/4" backset
- Concealed rods offer additional security
- Less bottom rod option available, specified as NB-WD7000 and 12-NB-WD7000 (For single door applications, consult factory)
- NB- provides free access for wheel chairs and carts
- Supports single or double door applications
- Features EcoFlex® technology
- UL Fire Listed: 12-WD7000 / 12-NB-WD7000 (12-NB- is for double door applications only)



Specifications

Doors:

- Aluminum: 1-3/4" (44mm) door thickness standard, 1-7/8" minimum stile, 7/8" backset standard for double doors, 1-1/8" backset for single doors
- Metal: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard
- Wood: 1-3/4" (44mm) door thickness standard, 4-1/2" minimum stile, 2-1/4" backset standard

Mounting:

- Fasteners are supplied for appropriate door type (aluminum, metal, wood) with through-bolts for trim

Hand:

- Field reversible, specify RHR, LHR, RH or LH

Top and Bottom Bolts:

- Stainless steel. Top and bottom bolts travel 7/16" (11mm). Projection adjustable up to 1" (25mm)

Latching:

- Top and bottom (7000, 12-7000) or Top only (NB-7000, 12-NB-7000)

Strikes:

- 650 Top Strike, 606 Bottom Strike, standard

Cylinder:

- #41 Mortise Cylinder

Trim Options

ER and ES controls are ET controls with back plates.

- **Back plates:**
  - Mounted between the trim and the door
  - Required for wood doors (WD-)
  - Optional for metal doors
  - May be used to cover existing door preps



How to specify and order ET Trim without a vertical rod:

For 7000 Series multi-point vertical rods: M1-706-2-ER/ES/ET*, M1-713-2-ER/ES/ET*, M1-715-2-ER/ES/ET*

*Specify lever design, finish and voltage

Note: Cylinder Keyed Different is supplied unless otherwise specified

Key Override/Auxiliary Control

100 Series Auxiliary Control offers key override for SE LP10 7000 Series.

- Available functions are 06 & 13
- Supplied with a SARGENT #41 mortise cylinder

To order, add 106 or 113 to the order string after the hand designation.

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7000 Series Multi-Point Vertical Rod

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7000 Multi-Point Vertical Rods

		Series	Type[1]	Outside Function	Inside Function
With:	Fail Safe, Night Latch (Key/lever retracts latch)	M1	70/AD70/WD70*	73	06
	Fail Safe, Entrance (Key locks/unlocks lever)	M1	70/AD70/WD70*	73	13
	Fail Safe, Passage Only (No cylinder)	M1	70/AD70/WD70*	73	15
	Fail Secure, Night Latch (Key/lever retracts latch)	M1	70/AD70/WD70*	74	06
	Fail Secure, Entrance (Key locks/unlocks lever)	M1	70/AD70/WD70*	74	13
	Fail Secure, Passage Only (No cylinder)	M1	70/AD70/WD70*	74	15

[1] Specify 70 for metal doors, AD70 for aluminum doors, or WD70 for wood doors.
* WD7000 Series is only available with ER and ES trim.

Ordering SE LP10 7000 Series Vertical Rod Locks

Options	Series	Type	Function	Motor*	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Aux Control (optional)	Finish	Opening Height	AFF
Select from pages 28-30	M1	Select from 7000 Series Function Chart above		12V or 24V	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	ER/ES/ET followed by lever designation from pages 22-25	RHR, LHR, RH, LH	106 or 113	Select from page 22	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	M1	70	7306	12V	IPS	03	ETL	RH	106	26D	84"	35-7/8"

* The SE LP10 reader is always 12VDC. Please select either 12VDC or 24VDC for the motor.

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7000 Series Multi-Point Vertical Rod

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Electric Latch Retraction Option (ELR)

SARGENT's Electric Latch Retraction (ELR) is the perfect choice for high traffic doors that require access control. This non-handed module is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.
The ELR- can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building's fire detection system.

The SE LP10 multiCLASS SE® 7000 series ELR is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status

Note: Alternate Indicator Configuration is not available for SE LP10-F.

Electric Latch Retraction Features

- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable -modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of latch retraction is automatically controlled by the ELR- circuitry; System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 0)
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Current draw:

  M1 Reader:
  – 12VDC (200 mA)

  ELR 7000 Series Vertical Rod Lock:
  – 12VDC (850 mA during retraction, 250 mA maintained)
- Power Requirements: 12VDC regulated/filtered power supply (3500 Series)
- Available for 7000 series only
- See McKinney's Transfer Device Solutions Catalog for QC Hinge and cable requirements

Optional Accessories

- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 4341 Push Button Switch (momentary)

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7000 Series Multi-Point Vertical Rod

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7000 Series Multi-Point Vertical Rods with Electric Latch Retraction (ELR)

	Function Descriptions	Outside Functions Available	Inside Functions Available
01	Blank escutcheon plate	•	
06	Key unlocks trim; trim retracts latch; trim relocks when key is removed	•	•
10	No outside operation (no cylinder); pull only	•	
13	Classroom key unlocks/locks trim; #41 cylinder supplied	•	•
15	Passage only (no cylinder)		•
16	Key unlocks/locks trim	•	•
40	Freewheeling trim; no outside operation	•	
43	Freewheeling trim; key unlocks/locks trim	•	•
46	Freewheeling trim; key unlocks trim; trim retracts latch/trim relocks when key is removed	•	•

Ordering SE LP10 7000 Series Vertical Rod Locks with Electric Latch Retraction (ELR)

Options	ELR	Series	Type	Outside Function	Inside Function	Outside Electrical Trim	Credential Modifier	Trim/Lever	Hand	Finish	Opening Height	AFF
Select from pages 28-30	Specify ELR option	M1	70 (metal doors) AD70 (aluminum doors) WD70 (wood doors)	Select from chart above	Select from chart above	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	ER/ES/ET followed by lever designation from pages 22-25	RHR, LHR, RH, LH	Select from page 22	Required for Vertical Rod Exit Devices	Center Line of Lever Above Finished Floor (35-7/8" standard)
Example:	ELR	M1	70	06	43	IPS	03	ETL	RH	26D	84"	35-7/8"

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FM7300 Series Multi-Point Locks

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The SE LP10 FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by a mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.

The SE LP10 multiCLASS SE® FM7300 series is available with 2 options for reader LED indicator configuration:

1. Standard Indicator Configuration (Credential Modifier 03):
   - LED displays red in locked and unlocked state
2. Alternate Indicator Configuration (Credential Modifier 0E):
   - LED displays red during locked state and green in unlocked
   - Provides easy visual identification of lock status

Note: Alternate Indicator Configuration is not available for SE LP10-F.



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Features EcoFlex® technology
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Electrical Features

- Supports multiple credential technologies, offering easy migration to higher security credentials or consolidation of mixed credentials
- Lock 12-24VDC
- Reader always 12VDC

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FM7300 Series Multi-Point Locks

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Escutcheons

- Plastic front escutcheon, solid cast rear escutcheon
- Operating temperature -31°F (-35°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Projection is approximately 3/4"

Mounting	Supplied fasteners are for metal doors with through-bolts for trim
Hand	Handed; specify RHR, LHR, RH or LH
Top bolt	Adjustable stainless steel 3/4" square bolt with 11/16" engagement; 5/16" steel reinforcement plate
Bottom bolt	Adjustable stainless steel 3/4" square bolt with 5/8" engagement; 1/4" steel reinforcement plate
Center bolts	Latchbolt is stainless steel with 3/4" projection. One piece, anti-friction reversible catch. Deadbolt is one piece hardened stainless steel with 1" projection
Lock front	1/8" steel mortise front reinforced with 13/64" thick lock edge stiffener
Center bolt strike	1/4" thick stainless steel
Backset	2-3/4" standard
Door thickness	1-3/4" standard
Door height	7'0" - 8'0"
Maximum opening	Single door 4'0" x 8'0" and double doors 8'0" x 8'0"

SE LP10 Multi-Point Lock Functions

All SE LP10 Multi-Point Lock Functions feature:

- Trim outside rigid except when valid credential presented
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Door Position monitoring

Description of Functions: (see chart at right)

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

SE LP10 Multi-Point Lock Functions

	Then select:		
	Series	**Type**	**Function**
No key override with deadbolt			
Fail Safe	M1	FM73	284
Fail Secure	M1	FM73	285
Key override with deadbolt			
Fail Safe	M1	FM73	280
Fail Secure	M1	FM73	281

Ordering SE LP10 Mortise Locks (Simpli™ roseless trim is specified by R82 for lock type and an R for the rose designation)

Options	Series	Type	Function	Lock Voltage**	Outside Electrical Trim	Credential Modifier	Rose	Levers	Finish	Hand
Select from pages 28-30	Select M1	Select from SE LP10 Mortise Lock Function chart above		12V or 24V	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select rose, lever and finish from pages 22-25			RHR, LHR, RH or LH
Example:	M1	FM73	284	12V	IPS	03	R	MX	03	RH

**With M1, the reader is always 12VDC. Please select either 12VDC or 24VDC for the lock voltage.

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FM7300 Series Multi-Point Locks

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High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string (available only with deadbolt)

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples

R01-IDP-M1-FM73284-12V-IPS-03-LN-MD-26D-LHR
R04-PHR-IDP-M1-FM73285-24V-IPS-03-LN-MD-26D-RHR

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Roseless Trim, Standard & Coastal Series Levers & Finishes

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SE LP10 products are available with the following lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. SE LP10 Mortise locks are specified by rose design followed by the lever designation (e.g., TRMZ). SE LP10 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMZ).

Note: Exit devices are not available with roses; exits are only available with ET Trim.

Standard and Coastal Levers

Standard Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: M1-8200 Mortise Locks with Standard Levers are available with LN and O roses only (Not available with CO, CR, TO, TR roses and roseless)

Coastal Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: M1-8200/R8200 Mortise Locks with Coastal Series Levers are available with CR & TR roses and roseless trim** (Not available with LN, O, CO & TO roses).

** Except C Lever

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Roseless Trim, Standard & Coastal Series Levers & Finishes

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Finishes

SARGENT offers many different finishes for SE LP10 products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cyl.	Exit
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	X	–	X
32D∞	Satin stainless steel	630	X	–	X
BSP	Black suede powder coat	–	X	X	X
WSP	White suede powder coat	–	X	X	X

‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly
∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

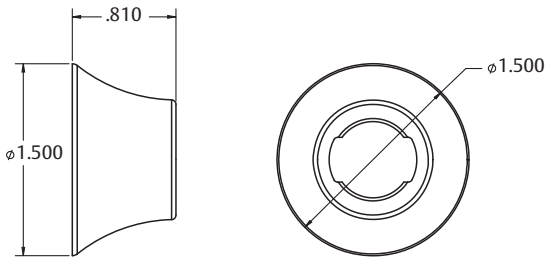
Simplí™ Roseless Trim

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí™ creates a flawless aesthetic vision on any door opening.



Simpli™ is offered on the SE LP10 R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the SE LP10 R8200 Series, Simpli™ is also available with the RDL Series tubular locks and R8200 Series mortise locks.

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- SE LP10 R8200 Series with Simpli™ trim is available with most 8200 functions
- Simpli™ roseless trim is available with Coastal Series (except C) and Studio Collection levers (except ML, MN, MP, MT, Berlin and Gramercy levers)
- Selected levers return within ½" of the door face
- Simpli™ roseless trim is not compatible with the SE LP10 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- For UL 294 requirements, please contact your local ASSA ABLOY Door Security Solutions sales representative or call 800-810-WIRE



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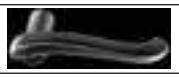
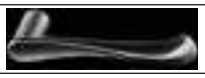
Studio Collection Levers and ET Trims

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Studio Collection Levers are available with roses with the 8200 or roseless with the R8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series				
Lever	**Design**	**Handed**	**Mortise Locks**	**Exit Devices**
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X
Odeon Series[4]				
MN[2]		Yes	X	X
MH		Yes	X	X
MS		Yes	X	X
MU		Yes	X	X
MV		Yes	X	X
NS[1]		Yes	X	X
NU[1]		Yes	X	X
MX[1]		Yes	X	X
Berlin Series[2]				
HO15		-	X	X
HO16		-	X	X
HO17		-	X	X
HO18		-	X	X

Notting Hill Series[4]				
Lever	**Design**	**Handed**	**Mortise Locks**	**Exit Devices**
MQ		Yes	X	X
MM		Yes	X	X
MY[1]		Yes	X	X
MO		Yes	X	X
MZ[1]		Yes	X	X
Centro Levers				
MD		–	X	X
MJ		–	X	X
MP[2,4]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X

Gramercy Levers[3]				
RCM[2]		–	X	X
RAL[2]		–	X	X
REM[2]		–	X	X
RAM[2]		–	X	X
RAS[2]		–	X	X
RAG[2]		–	X	X
RGM[2]		–	X	X

Note: M1-8200 Mortise Locks with Studio and Gramercy Levers are available with LN, CR, TR, O, TO & CO roses

1. Lever returns within 1/2" (13mm) of door face.
2. Not available with Simpli™ roseless trim.
3. Gramercy levers are customized. Refer to page 25 for ordering information.
4. Not available in 32D or 32 stainless steel finish.
5. Contact factory for current lead times.

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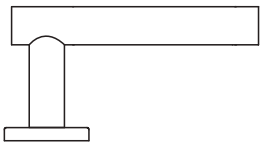
Ordering Gramercy Series Levers and Rose Designs

SE LP10

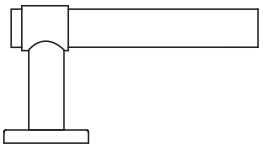
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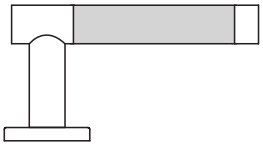
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: SE LP10 8200 Series Mortise Locks with Gramercy Levers; available with LN, CR, TR, O, TO & CO roses (not available with roseless)

Options	Function	Lock Voltage	Outside Electrical Trim	Credential Modifier	Rose	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
Select from pages 28-30	Select from page 6	12VDC or 24VDC	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	Select from below	Leather insert	Polished or satin stainless	Black or brown	Polished or satin stainless	RHR, RH, LHR, or LH
10-	274	12VDC	IPS	03	LN	RAL	29	BN	29	RH

How to Order: SE LP10 80 Series Exit Devices with Gramercy Levers and ET trim

Options	Type	Functions	Rail Size	Reader/ Solenoid	Outside Electrical Trim	Credential Modifier	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
Select from pages 28-30	Select from 80 Series Exit Device Function chart from page 9		E, F, J or G	12VDC or 24VDC	IPS: standard multiCLASS BIPS: HID Mobile Access® Ready and Bluetooth Smart capable (only available with 03 and 0E credential modifier) FIPS: PIV compatible	IPS/BIPS: 03 for standard indicator configuration; IPS/BIPS: 0E for alternate indicator configuration; FIPS: 03 for 200 bit output, 04 for 75 bit output	ET Series	Leather insert	Polished or satin stainless	Select from above	Polished or satin stainless	RHR or LHR	Select from page 22	
10-	89	73	F	12VDC	IPS	03	ET	RAL	29	BN	29	RHR	32D	36"

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Accessories, ET Lever Controls for Exit Devices, and Rose Designs

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Accessories

Wiegand Test Unit

Developed for SARGENT Harmony Series, SE LP10 and SN Series locks, the ASSA ABLOY Wiegand Test Unit verifies your installation in the field. The test unit checks for proper wiring, card reader data integrity, lock functionality including lock/unlock, door position status, and request-to-exit, or REX, status. The WT2 unit also tests key press functionality on keypad locks

Feature	WT1	WT2
12 or 24VDC lock voltage adjustable	X	X
Operates as Fail Safe or Fail Secure	X	X
"Learn" mode allows testing of specific cards without programming at the panel level	X	X
Card reader data integrity is validated at test unit	X	X
Displays detailed Wiegand data, including the hexadecimal string and total bits received		X
Displays measured end-of-line resistor values (if applicable)		X
Displays key press data*		X

*Only WT2 can read key press data.



Wiegand Test Unit

For directions on use, see operating instructions provided with unit.

WT2 unit with 1.03 firmware or later is required to read keypad data from SN Series only.

Weather Seal Gasketing

- Provides a seal between outside escutcheon and the door and inside escutcheon and the door
- Weather seal gaskets are included for outdoor use (non-fire rated exterior door applications only)



Gasket for use between the ET Trim and the door for SE LP10 Exit Devices

SE LP10 Reader Bluetooth Upgrade Kit

Part Number: 52-6086

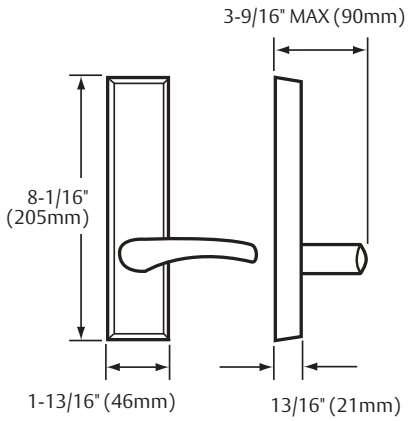
- Upgrades IPS variant reader to BLE.
- Will enable reader to be upgraded for Apple Wallet functionality.

Roses

Roses	Design	Diameter	Mortise	Cylindrical
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

ET Lever Controls for Exit Devices

- The 700 Series ET and Lever Control is the external trim with all SE LP10 80 Series exit devices
- ET Escutcheons and levers are plated brass
- Stainless steel levers are available



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Power Supplies and 10 Line Strike Options

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:

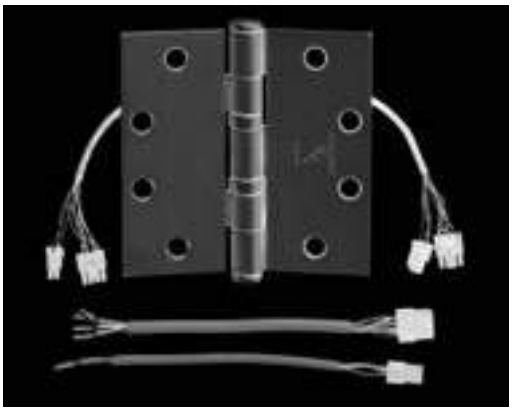
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect SE LP10 hardware to the electronic access control system, the following items are required:

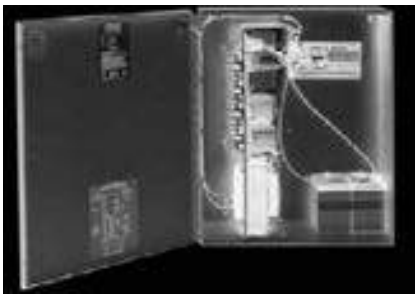
- SE LP10 mortise or cylindrical lock, or exit device
- ASSA ABLOY Door Group pre-wired door, or McKinney ElectroLynx retrofit cable
- Electronic transfer hinge or pivot, or electrical power transfer with standard hinge from McKinney or SECURITRON
- McKinney ElectroLynx cable from the hinge to above the ceiling

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKinney QC12 ElectroLynx® hinges (or McKinney 12-EL-EPTL) are recommended for SE LP10 applications



12VDC & 24VDC Power Supplies:



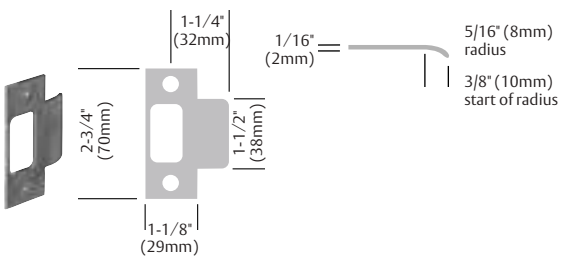
- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

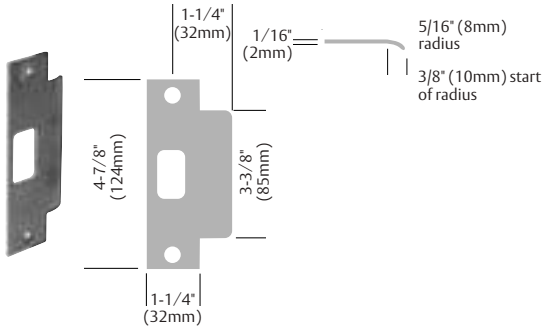
SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

M1-10 Line Strikes:

2-3/4" Curved Lip Strike – Standard



4-7/8" Curved Lip Strike: To order specify 28- prefix



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Mechanical Options

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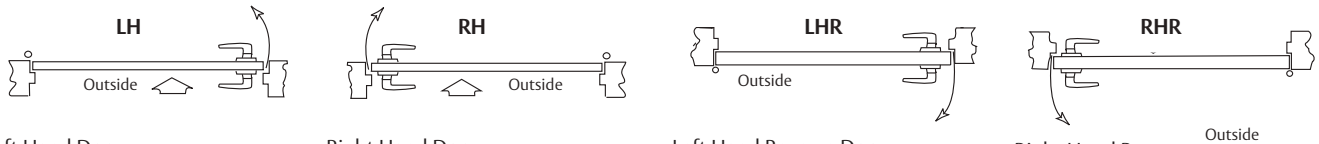
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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Brass Bottom Bolt	**14-**	Sliding brass bolt bottom case (non-fire rated 8700 devices only)
Cylinder Dogging	**16-**	Cylinder lock down (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" front for (10 Line only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
Security Fasteners	**36-**	6 Lobe head security screws (Torx® type) (Not available with R8200 mortise locks)
	37-	Spanner head screws (Not available with Studio levers)
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	**43-**	Flush End Cap
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal levers and the A lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with exit devices, Studio & Coastal levers and the A lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or push rail for exits) (Not available with Studio & Coastal levers)
	86-	Tactile Warning - Abrasive Coating on Outside Lever (Not available with Studio & Coastal levers)
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or push rail for exits) (Not available with Studio & Coastal Levers)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
Top Rod Only	**NB-**	Less bottom rod & bolt (for MD/WD/AD8600 CVR devices & 8700 SVR devices only)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent coated push rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Through-Bolts	**TB-**	Through-Bolts
Windstorm Options	**HC-**	Hurricane Code (rim and surface vertical rod exit devices only, see page 25 for details)
	HC4-	Hurricane Code up to 150 psf (8700 surface vertical rod exit devices only, see page 25 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 25 for details)

Handing



Left Hand Door | Right Hand Door | Left Hand Reverse Door | Right Hand Reverse Door

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

Note: More Cylinder Options on the following page

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Cylinder Options & Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Special Cams	**47-**	Special Cams for mortise cylinders
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

Hardware	Shipping Weight	Pc. Count/Carton
M1-82280/82281 x lever trim (with cylinder & DB)	11.3 lbs (5.14 kg)	1/carton
M1-82270/82271 x lever trim (with cylinder)	10.8 lbs (4.91 kg)	1/carton
M1-82284/82285 x lever trim (w/o cylinder & w/ DB)	10.8 lbs (4.91 kg)	1/carton
M1-82274/82275 x lever trim (w/o cylinder & DB)	10.3 lbs (4.68 kg)	1/carton
M1-10G270/271 with lever	9.7 lbs (4.41 kg)	1/carton
M1-8973/74/75/76 with ET	22.6 lbs (10.27 kg)	1/carton
M1-8873/74/75/76 with ET	20.6 lbs (9.36 kg)	1/carton
M1-8773/74 with ET	27.6 lbs (12.55 kg)	1/carton
M1-MD8673/74 with ET	26.6 lbs (12.09 kg)	1/carton

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Windstorm Certifications: UL Listed & Florida Building Codes

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Sargent Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

SE LP10 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SE LP10 8200/R8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

SE LP10 HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SE LP10 HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

SE LP10 HC4-8700 surface vertical rod exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SE LP10 HC4-8700 for single and double door applications up to 150 psf; 8'-0" max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ASTM E330-02
- ASTM E1886-02
- ASTM E1996-02
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL12712.2

SE LP10 WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SE LP10 WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

SE LP10 WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- SE LP10 WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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Passport 1000 P1

Power over Ethernet (PoE) Campus Access Control Products

Available through Authorized Channel Partners only. Contact your local PERSONA or ASSA ABLOY Door Security Solutions sales consultant for details.

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agion
Nature's antimicrobial

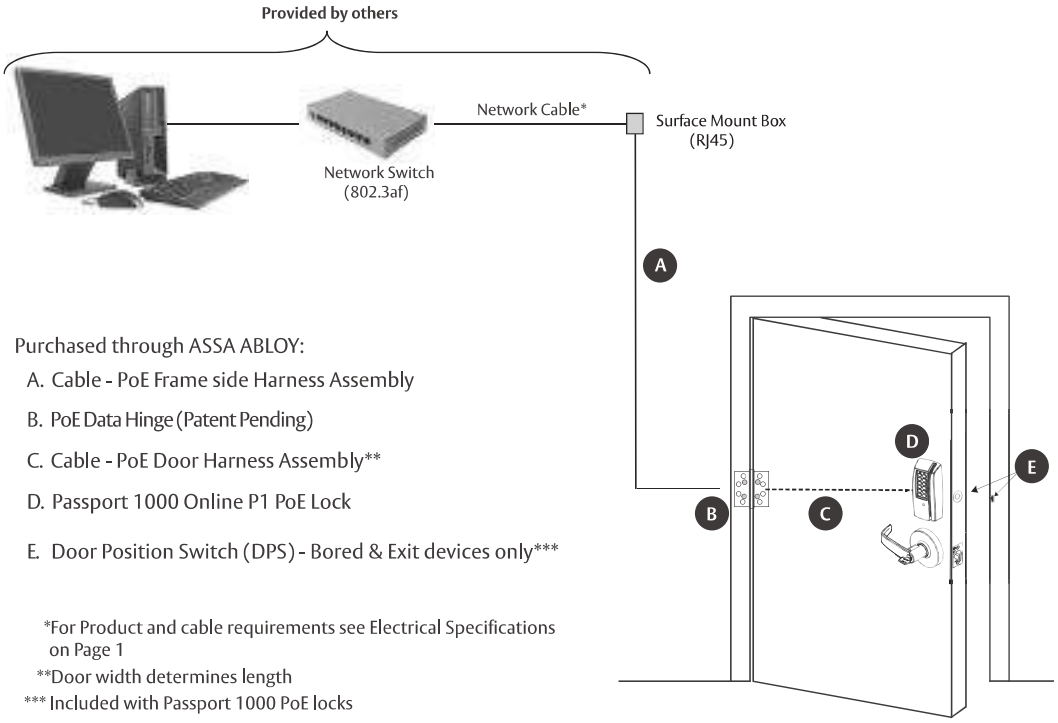
The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

Passport 1000 P1 Online PoE (Power over Ethernet) Typical Application



Purchased through ASSA ABLOY:

A. Cable - PoE Frame side Harness Assembly

B. PoE Data Hinge (Patent Pending)

C. Cable - PoE Door Harness Assembly**

D. Passport 1000 Online P1 PoE Lock

E. Door Position Switch (DPS) - Bored & Exit devices only***

*For Product and cable requirements see Electrical Specifications on Page 1

**Door width determines length

*** Included with Passport 1000 PoE locks

For a detailed explanation of the above, please refer to Application Diagram at the end of this document.

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Overview and Features

Passport 1000 P1

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Overview

An online ANSI/BHMA Grade 1 lock utilizing Power over Ethernet (PoE) technology, the Passport 1000 P1 provides a cost-effective, future-proof solution for campuses. Featuring HID® multiCLASS SE® technology, it provides simultaneous support for multiple credentials and offers an easy migration path to higher security credentials and mobile access. Recognized for its contribution to sustainable buildings, the P1 re-uses existing IEEE 802.3af PoE infrastructure, streamlines the installation process, reduces costs and components, and minimizes power consumption.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT Passport 1000 P1 is part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

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- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates on product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Passport 1000 P1 Features

- Intelligent, integrated ANSI/BHMA Grade 1 lockset, available in cylindrical lock, mortise lock, and exit device configurations, offers the highest degree of physical security available in access control locks
- Utilizes IEEE 802.3af PoE-enabled network infrastructure for cost-effective installations and real-time communication
- Lock holds 2,400/10,000 users* and 10,000 events locally
- Available with key override

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Access Credentials and Specifications

Passport 1000 P1

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Access Credentials

Magnetic Stripe:

- Read speed: 4 to 40 in/s
- Card track: Track 2
- Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Time resolution on card: 1 minute
- Magnetic head lifetime: 300,000 operations

Keypad:

- PIN code: 4-digits with card, or 6-digits PIN only

Credential Reader:

- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)

NFC & BLE-enabled Mobile Phones:

- HID Mobile Access (BLE and NFC)

- Seos Apple Wallet (NFC)
- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESfire® EV1 SE
  - MIFARE Classic
  - DESfire EV1
  - PIV/PIV-I (40-bit BCD, 64-bit
- BCD, 75 bit, 128-bit or 200-bit outputs)
- Low Frequency (125 kHz):
  - HID Prox®
  - AWID
  - EM4102
- 13.56 MHz credentials:
  - iCLASS®
  - iCLASS SE® (SIO-enabled)
  - iCLASS® Seos®
  - SIO on MIFARE® Classic
  - SIO on MIFARE DESfire® EV1
  - MIFARE Classic
  - DESfire EV1
  - NFC-enabled mobile phones
- 125 kHz credentials:
  - HID Prox®

* Contact your access control system manufacturer for more information.

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring less than 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - TIA/EIA-568-B
  - Plenum-rated (if required by local code)
  - 24AWG
- Grounding
  - Device ground must be tied to building/electrical earth ground
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

EAC Regulatory Compliance:

- UL294 6th Edition (not applicable to FM7300)
- CAN/ULC S319 (not applicable to FM7300)
- BHMA A156.25 (not applicable to FM7300)

Software

Compatible with ASSA ABLOY's PERSONA Campus™ software or with approved third party access control software.

PERSONA Campus Software

PERSONA Campus™ Software is an advanced and flexible locking system that supports magstripe and contactless technology to provide seamless database integration and software interface with enterprise, transactional and housing systems. PERSONA Campus™ software provides customized access by user, by facility, or individual lock.

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P1 8200 Series Mortise Locks

Passport 1000 P1

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Featuring EcoFlex™ technology, the Passport 1000 motorized 8200 Series Mortise Lock has a clean, crisp design and is available with the SARGENT Studio Collection, Coastal Series and traditional lever designs in a full array of finishes. The Passport 1000 P1 8200 mortise locks are available with or without deadbolt and with or without key override.

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- Motor driven mortise lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- 8200 Series Levers and Roses are shown on pages 8-10
- Stainless steel non-handed deadlocking latch
- Handed lockbody, easily field reversible without opening lock body
- Lever trim through-bolted for increased security and durability
- UL/ULC Listed for use on fire doors*
- Hurricane-Resistant Certifications listed on page 18

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Passport 1000 P1 Mortise Lock Functions

Standard P1-Mortise feature:

- Outside lever rigid except when in "passage" mode or valid user code entered
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit: monitoring inside lever
- Latchbolt Monitoring: monitors latchbolt position
- Door Position Signaling: monitors door position

Key Override Function Features:

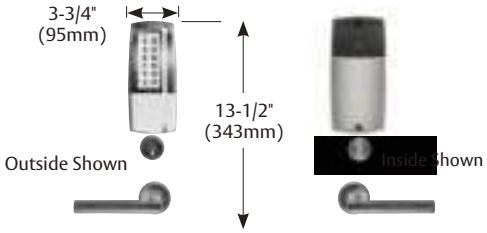
- Key outside retracts latchbolt and retracts & projects deadbolt
- Key override with a #41 (1-1/8") Mortise Cylinder

Deadbolt Function Features:

- When deadbolt thrown, outside lever operable only with predetermined code
- Deadbolt Monitoring: monitors deadbolt position
- 1" hardened stainless steel deadbolt

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)



P1 Mortise Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override and deadbolt		P1	82	276
Key override and no deadbolt		P1	82	278
Deadbolt and no key override		P1	82	277
No deadbolt and no key override		P1	82	279
Magnetic Stripe & Keypad				
Key override and deadbolt	KP-	P1	82	276
Key override and no deadbolt	KP-	P1	82	278
Deadbolt and no key override	KP-	P1	82	277
No deadbolt and no key override	KP-	P1	82	279
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
	Series	Type	Function	Technology
Key override and deadbolt	P1	82	276	IKMPS*
Key override and no deadbolt	P1	82	278	IKMPS*
Deadbolt and no key override	P1	82	277	IKMPS*
No deadbolt and no key override	P1	82	279	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override and deadbolt	P1	82	276	IMPS*
Key override and no deadbolt	P1	82	278	IMPS*
Deadbolt and no key override	P1	82	277	IMPS*
No deadbolt and no key override	P1	82	278	IMPS*
FeliCa, keypad, mag stripe, Prox				
Key override and deadbolt	P1	82	276	CKMP*
Key override and no deadbolt	P1	82	278	CKMP*
Deadbolt and no key override	P1	82	277	CKMP*
No deadbolt and no key override	P1	82	278	CKMP*
FeliCa, mag stripe, Prox				
Key override and deadbolt	P1	82	276	CMP*
Key override and no deadbolt	P1	82	278	CMP*
Deadbolt and no key override	P1	82	277	CMP*
No deadbolt and no key override	P1	82	278	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

How to Order: Passport 1000 P1 Mortise Locks with Magnetic Stripe only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Mortise Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**KP-P1-82276**				**LN**	**MX**	**03**	**RH**

How to Order: Passport 1000 P1 Mortise Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Mortise Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**P1-82276-IKMPS**				**LN**	**MX**	**26D**	**RH**

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P1 10 Line Cylindrical Locks

Passport 1000 P1

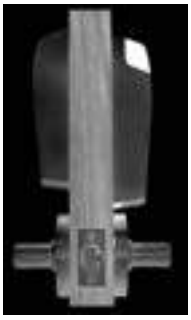
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The PERSONA Passport 1000 P1 10 Line Cylindrical lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT locks at a facility.

Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard; 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Non-Handed lock body, levers may be handed (Specify RH, RHR, LH or LHR)
- Heavy duty lever spring return
- Adjustable through-bolt positions
- Steel mounting studs
- Not available with 10-UL-, 82-, 83- or 84- options
- UL/ULC Listed for fire doors*
- Hurricane-Resistant Certifications listed on page 18



52-5373 Door Position Switch (DPS)

- SPST concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door



* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

P1-10G77 Entry Lock with Cylinder

All P1 Cylindrical functions feature:

- Outside lever rigid except when in "passage" mode or valid user code entered
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit (REX) signaling standard
- Door Position Switch (DPS, part #52-5373) supplied to allow for full monitoring
- 10 Line Levers are shown on page 8 and Roses are shown on page 10

Key Override Standard Features:

- Key outside retracts latchbolt

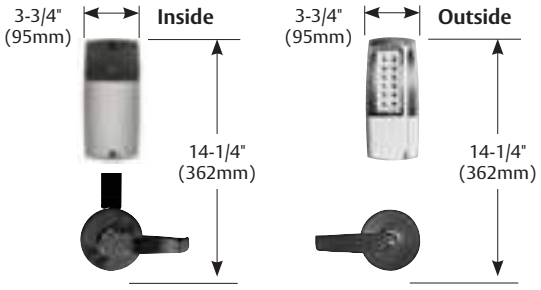
P1 Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override		P1	10	G77
Magnetic Stripe & Keypad				
Key override	KP-	P1	10	G77
	Series	Type	Function	Technology
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override	P1	10	G77	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override	P1	10	G77	IMPS*
FeliCa, keypad, mag stripe, Prox				
Key override	P1	10	G77	CKMP*
FeliCa, mag stripe, Prox				
Key override	P1	10	G77	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)



How to Order: Passport 1000 P1 Cylindrical Locks with Magnetic Stripe only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Cylindrical Lock Function chart above				Select rose, lever and finish from pages 8 & 10			RHR, LHR, RH or LH
**28-	KP-P1-10G77				L	G	03	RH

How to Order: Passport 1000 P1 Cylindrical Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Cylindrical Lock Function chart above				Select rose, lever and finish from pages 8 & 10			RHR, LHR, RH or LH
**28-	P1-10G77-IKMPS				L	G	03	RH

**28- option supplies a 4-7/8" strike, opposed to the 2-3/4" T strike supplied standard

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P1 80 Series Exit Devices

Passport 1000 P1

Authorized Channel Partner
ASSA ABLOY

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Featuring EcoFlex technology, the Passport 1000 P1 80 Series Exit Devices offers access control for campus environments, and particularly in areas where life safety is a primary concern, such as in stairwell areas or tenant-occupied facilities.

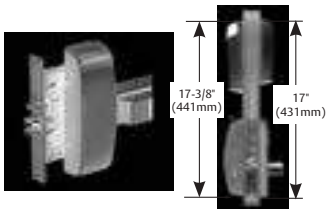
Mechanical Features

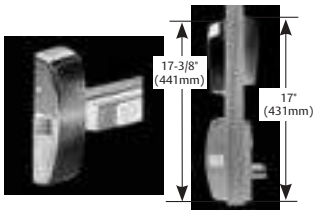
- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Hurricane-Resistant Certifications listed on page 18

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

All P1 Exit Devices feature:

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-5373) supplied; allow for full monitoring (shown on page 5)





P1 Exit Device Functions

	Mortise Lock Exit			Rim Exit		
If the lock needs to have:	**Technology**	**Series**	**Type & Function**	**Technology**	**Series**	**Type & Function**
Magnetic Stripe only						
Key override		P1	8977		P1	8877
No key override		P1	8978		P1	8878
Magnetic Stripe & Keypad						
Key override	KP-	P1	8977	KP-	P1	8877
No Key override	KP-	P1	8978	KP-	P1	8878
	Series	**Type & Function**	**Technology**	**Series**	**Type & Function**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)						
Key override	P1	8977	IKMPS*	P1	8977	IKMPS*
No Key override	P1	8978	IKMPS*	P1	8978	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)						
Key override	P1	8977	IMPS*	P1	8977	IMPS*
No Key override	P1	8978	IMPS*	P1	8978	IMPS*
FeliCa, keypad, mag stripe, Prox						
Key override	P1	8977	CKMP*	P1	8977	CKMP*
No Key override	P1	8978	CKMP*	P1	8978	CKMP*
FeliCa, mag stripe, Prox						
Key override	P1	8977	CMP*	P1	8977	CMP*
No Key override	P1	8978	CMP*	P1	8978	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

Outside ET Lever Control

- Cast escutcheon
- Projection 13/16" (21mm)
- Motor-driven trim

How to Order: Passport 1000 P1 Exit Devices with Magnetic Stripe only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Rail Size	ET Trim/ Lever	Finish	Hand	Door Width
Select from pages 15-17	Select from P1 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 8-10	Select from page 8	RHR or LHR	If supplied, rails will be cut to size
Example:	**KP-P1-8878**				**F**	**ETL**	**03**	**RHR**	**34"**

How to Order: Passport 1000 P1 Exit Devices with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Rail Size	ET Trim/ Lever	Finish	Hand	Door Width
Select from pages 15-17	Select from P1 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 8-10	Select from page 8	RHR or LHR	If supplied, rails will be cut to size
Example:	**P1-8878-IKMPS**				**F**	**ETL**	**32D**	**RHR**	**34"**

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Exit Device Retrofit Kits

Passport 1000 P1

Authorized Channel Partner
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Add the advanced access control capabilities of Passport 1000 to existing exit devices. Our retrofit kits make it easy to upgrade your campus security without the hassle and expense of replacing the entire exit device.



Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices

Features:

- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included).
- Available with all Passport 1000 P1 credential options
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series, and all standard levers
- Available in the same finishes as Passport 1000 exit devices with ET trim (see page 8)
- Mechanical trim available for double door applications. Refer to accessories page (page 14) for ordering information.
- Matching dummy trim available for double doors.

Specifications:

- Meets ANSI/BHMA Grade 1 requirements
- UL/ULC Listed for fire doors*
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)

Passport 1000 P1

If the retrofit kit needs to have:	Then select:			
	Technology	**Series**	**Function**	**Outside Trim**
Magnetic Stripe only		P1	231	EK1
Magnetic Stripe & Keypad	KP	P1	231	EK1
	Series	**Function**	**Outside Trim**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)	P1	231	EK1	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)	P1	231	EK1	IMPS*
FeliCa, keypad, mag stripe, Prox	P1	231	EK1	CKMP*
FeliCa, mag stripe, Prox	P1	231	EK1	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

How to Order: Passport 1000 P1 Exit Device Retrofit Kits with Magnetic Stripe only or Magnetic Stripe and Keypad

Technology	Series	Function	Outside Trim	Levers	Finish	Hand
Select from P1 Retrofit Kit Function chart above				Select lever and finish from pages 8-10		RHR or LHR
KP-P1-231x EK1				G	26D	LHR

How to Order: Passport 1000 P1 Exit Device Retrofit Kits with multiCLASS SE® Reader

Series	Function	Technology	Outside Trim	Levers	Finish	Hand
Select from P1 Retrofit Kit Function chart above				Select lever and finish from pages 8-10		RHR or LHR
P1-231 x IMPS x EK1				G	26D	LHR

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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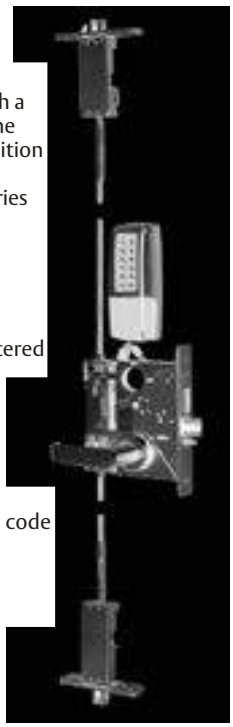
P1 FM7300 Series Multi-Point Locks

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ASSA ABLOY

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Passport 1000 P1

The SARGENT Passport 1000 P1 FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry. Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by an EAC mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches. The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

Passport 1000 P1 Multi-Point Lock Functions

Standard P1-Mortise feature:

- Outside lever rigid except when in "passage" mode or valid user code entered
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- Latchbolt Monitoring: monitors latchbolt position
- Door Position Signaling: monitors door position

Deadbolt Function Features:

- When deadbolt thrown, outside lever operable only with predetermined code
- Deadbolt Monitoring: monitors deadbolt position
- 1" hardened stainless steel deadbolt
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

P1 Multi-Point Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Deadbolt and no key override		P1	FM73	277
Key override with deadbolt		P1	FM73	276
Magnetic Stripe & Keypad				
Deadbolt and no key override	KP-	P1	FM73	277
Key override with deadbolt	KP-	P1	FM73	276
	Series	**Type**	**Function**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Deadbolt and no key override	P1	FM73	277	IKMPS*
Key override with deadbolt	P1	FM73	276	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Deadbolt and no key override	P1	FM73	277	IMPS*
Key override with deadbolt	P1	FM73	276	IMPS*
FeliCa, keypad, mag stripe, Prox				
Deadbolt and no key override	P1	FM73	277	CKMP*
Key override with deadbolt	P1	FM73	276	CKMP*
FeliCa, mag stripe, Prox				
Deadbolt and no key override	P1	FM73	277	CMP*
Key override with deadbolt	P1	FM73	276	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

How to Order: Passport 1000 P1 Multi-Point Locks with Magnetic Stripe only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Multi-Point Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**KP-P1-FM73277**				**LN**	**MX**	**03**	**RH**

How to Order: Passport 1000 P1 Multi-Point Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 15-17	Select from P1 Multi-Point Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**P1-FM73277-IKMPS**				**LN**	**MX**	**26D**	**RH**

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Finishes, ET Trim and Handing

Passport 1000 P1

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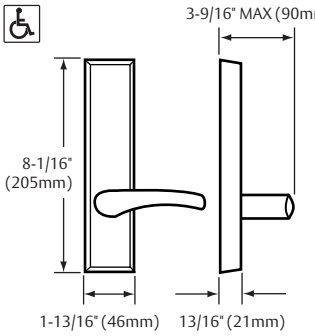
Finishes

SARGENT offers many different finishes for P1 products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze - equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32	Bright stainless steel	629	X	–	X
32D	Satin stainless steel	630	X	–	X
BSP	Black suede powder coat	–	X	X	X
WSP	White suede powder coat	–	X	X	X

‡ Exit Devices ordered in 32 or 32D will have the ET trims supplied in 26 or 26D; for nickel finished ET trims, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly

ET Lever Trim for Exit Devices



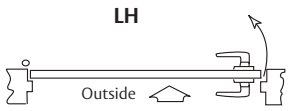
The 700 Series ET and Lever Control is the external trim with all P1-80 Series exit devices

ET Escutcheons and levers are plated brass

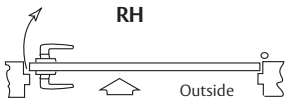
Stainless steel levers are available

Note: Exit devices are only available with ET Trim

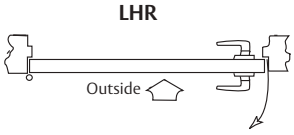
Handing



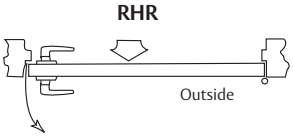
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Standard and Coastal Series Levers, Rose and Thumbturn Designs

Passport 1000 P1

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Passport 1000 P1 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. P1 mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). P1 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

Levers

Standard Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: P1-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
C		–	X		X
G		Yes	X	X	
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: P1-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

Roses

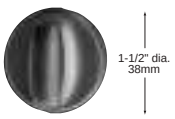
Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
E2		2-11/16"	X	

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
E3		2-1/16"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

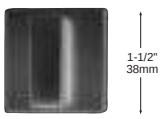
Thumbturns

The thumbturn backplate will match the rose design chosen. The turn designation must be specified as an option before the lock order string.
*The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 10 in the 8200 mortise lock catalog for more information.

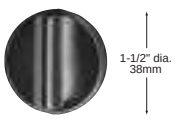
T1 Turn



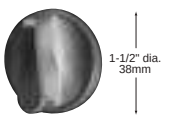
T2 Turn



T3 Turn



Standard Turn*



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Studio Collection Levers

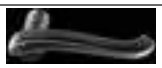
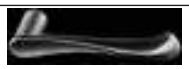
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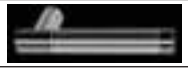
Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X

Odeon Series[4]				
MN		Yes	X	X
MH		Yes	X	X
MS		Yes	X	X
MU		Yes	X	X
MV		Yes	X	X
NS[1]		Yes	X	X
NU[1]		Yes	X	X
MX[1]		Yes	X	X

Centro Levers				
MD		–	X	X
MJ		–	X	X
MP[4]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X

Notting Hill Series[4]				
Lever	Design	Handed	Mortise Locks	Exit Devices
MA[3]		Yes	X	X
MQ		Yes	X	X
MT		Yes	X	X
MR[3]		Yes	X	X
MY[1]		Yes	X	X
MO		Yes	X	X
MZ[1]		Yes	X	X

Gramercy Levers[2]				
RCM		–	X	X
RAL		–	X	X
REM		–	X	X
RAM		–	X	X
RAS		–	X	X
RAG		–	X	X
RGM		–	X	X

Berlin Series				
HO15		-	X	X
HO16[1]		-	X	X
HO17		-	X	X
HO18		-	X	X

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. Refer to page 13 for ordering information.
3. Contact factory for current lead times
4. Not available in 32D or 32 finish

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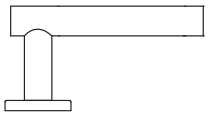
Ordering Gramercy Series Levers

Passport 1000 P1

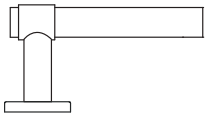
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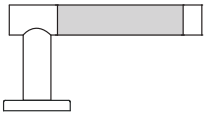
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: P1- Mortise Lock with Gramercy Levers

Options	Series/ Type	Function	Technology	Rose	Lever	Finish	Hand
Select from pages 15-17	P1-82	From page 4	Select from page 4	Select from below	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	P1-82	276	IMPS	LN	RAL	29BN	RH

How to Order: P1- Exit Device x Gramercy Levers

Options	Function	Series	Type	Function	Rail Size	Trim	Lever	Finish	Inside Finish	Door Width
Select from pages 15-17	Select from 80 Series Exit Device Function chart from page 6				E, F, J or G	ET Series	Leather insert	Bright stainless steel with brown leather	Select from page 8	
10-	77	P1-	88	IKMPS	F	ET	RAL	29BN	32D	36"

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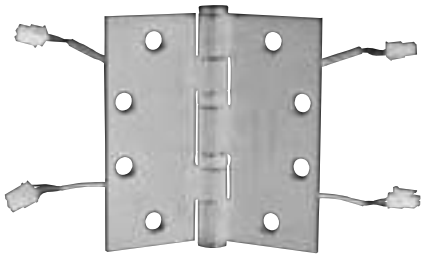
Overview, Features and Electrical Specifications

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The following are required system components ordered through McKinney.
Please note that one electrified hinge, one door harness assembly and one frame harness assembly are required for each PoE opening.



Patent Pending

McKinney ElectroLynx® PoE Door Harnesses

Door Width	Cable Length	Wood Door	Hollow Metal Door
28" to 31"	36"	PoE-C300RJ	PoE-C300PRJ
32" to 36"	42"	PoE-C306RJ	PoE-C306PRJ
37" to 42"	48"	PoE-C400RJ	PoE-C400PRJ
43" to 48"	54"	PoE-C406RJ	PoE-C406PRJ
All are Cat5e, 26 AWG, Shielded, Stranded, 100 Ohm			

McKinney ElectroLynx® PoE Hinges*

Description
4 ½" x 4 ½" TA2714 26D PoE (Standard Weight 5 knuckle)
4 ½" x 4 ½" T4A3786 26D PoE (Heavy Weight 5 knuckle)

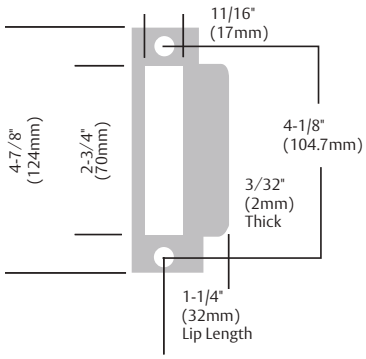
The PoE door & frame harnesses can accommodate a variety of new (with raceway) and retrofit applications.

McKinney ElectroLynx® PoE Frame Harness

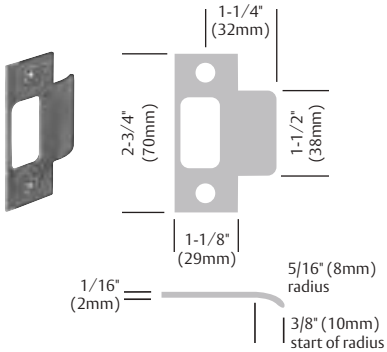
Cable Length	McKinney Catalog #
180"	PoE-C1500P
Cat5e, 24 AWG, Shielded, Stranded, 100 Ohm	

*See the McKinney catalog for additional finishes and hinge types

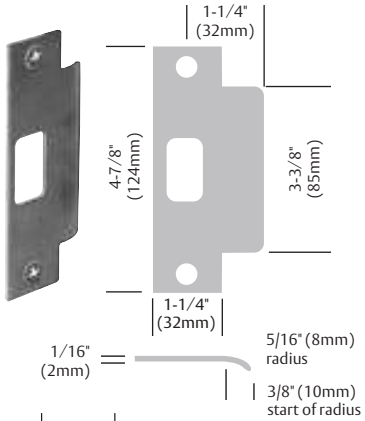
P1 8200 Mortise Lock
Standard Strike
- Curved lip strike
- Hardware finished to match lock



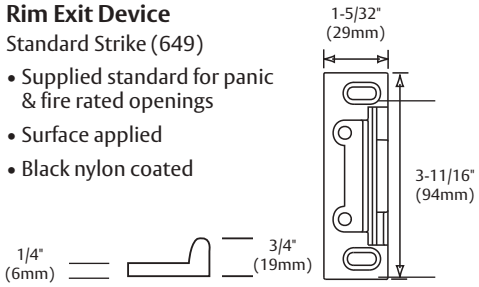
P1 10 Line Cylindrical Lock
Standard Strike
- Hardware finished to match lock



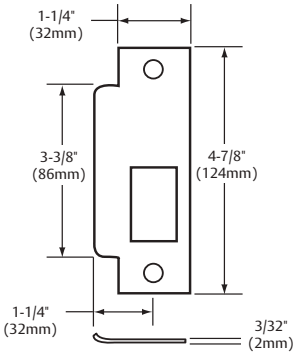
P1 10 Line Cylindrical Lock
Optional Strike (28- option)
- 4-7/8" Curved Lip Strike
- Hardware finished to match lock



P1 8800 Series
Rim Exit Device
Standard Strike (649)
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



P1 8900 Series
Mortise Lock Exit Device
Standard Strike (C908)
- Curved lip ANSI A-115.1
- Black nylon coated



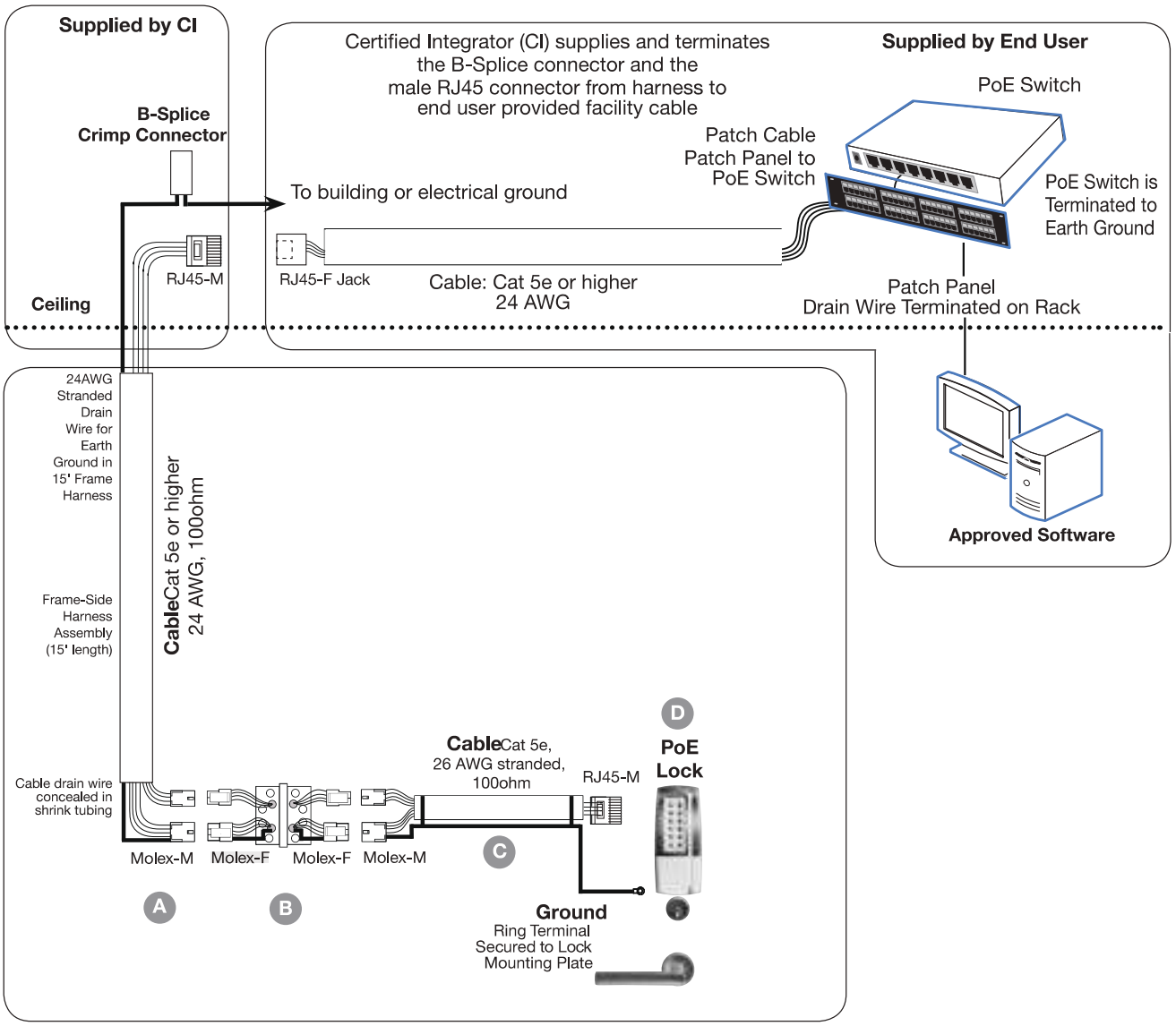
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Overview, Features and Electrical Specifications

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Wiring to TIA/EIA 568-B Standard

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Accessories

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Weatherseal Gasketing

- Provides sealing between outside escutcheon and door for exterior applications
- Gasketing (included) recommended for non-fire rated exterior applications

52-0782



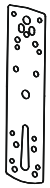
For use with Passport Escutcheon

52-0263



For use with ET Trim

97-0773



For use with EK1 Exit Trim

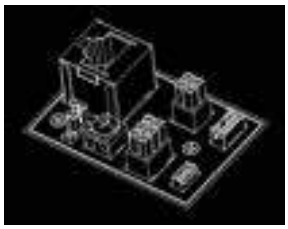
52-5373 Door Position Switch (DPS)

- SPST concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with P1 Exit Devices and Bored Locks



DHTA

Power over Ethernet (PoE) Cable and Data Hinge Test Adapter



Developed for troubleshooting SARGENT PoE locks, the ASSA ABLOY PoE cable and data hinge test adapter verifies your PoE installation in the field. Sold as a kit containing two test adapters, it allows you to verify proper wiring from the door frame to the PoE data hinge and lock, or test the frame, hinge or door cables independently.
This test tool helps answer the question "Is the problem in the lock or in the wiring to the lock?" and will save you troubleshooting time.

The DHTA works in conjunction with the following products or their equivalent, provided by others:

- BK Precision model 231A
- FLUKE DTX 1800 CableAnalyzer™
- Two (2) Category 5e patch cables, each (10) feet in length

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Replacement Parts

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Passport 1000 P1 Electronics Replacement Parts	
Part No.	Description
52-3583-[finish]	MA Outside escutcheon assembly, mag stripe
52-3582-[finish]	KM Outside escutcheon assembly, mag stripe and keypad
52-4759-[finish]	IKMPS Outside escutcheon assembly, iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)
52-4894-[finish]	BIKMPS Outside escutcheon assembly, iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE), Bluetooth Smart-enabled mobile phones
52-4777-[finish]	IMPSOutside escutcheon assembly, iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)
52-4895-[finish]	BIMPS Outside escutcheon assembly, iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE), Bluetooth Smart-enabled mobile phones
52-4787-[finish]	CKMP Outside escutcheon assembly, FeliCa, keypad, mag stripe, Prox
52-4896-[finish]	BCKMP Outside escutcheon assembly, FeliCa, keypad, mag stripe, Prox, Bluetooth Smart-enabled mobile phones
52-4788-[finish]	CMP Outside escutcheon assembly, FeliCa, mag stripe, Prox
52-4897-[finish]	BCMP Outside escutcheon assembly, FeliCa, mag stripe, Prox, Bluetooth Smart-enabled mobile phones
P1-EM03	PoE controller assembly
P1-EM04	Mounting plate assembly
P1-EM02-[finish]	Inside escutcheon assembly with privacy button
P1-EM07-[finish]	Replacement kit (controller, plate, cover)

Passport 1000 P1 Mortise Lock Replacement Parts	
Part No.	Description
P1-82276- [finish]	Lockbody with deadbolt and cylinder
P1-82277- [finish]	Lockbody with deadbolt, without cylinder
P1-82278- [finish]	Lockbody without deadbolt, with cylinder
P1-82279- [finish]	Lockbody without deadbolt, without cylinder

Passport 1000 P1 Cylindrical Lock Replacement Parts	
Part No.	Description
52-5373	Door position switch kit
10-3407	Lockbody - standard cylinder
10-3412	Lockbody - LFIC
10-3417	Lockbody - SFIC

Passport 1000 P1 Retrofit Exit Trim Replacement Parts	
Part No.	Description
52-5373	Door position switch kit
777-5 - [lever] - [finish] - [handing]	EK1 exit device retrofit kit replacement*

* Trim is prepped for cylinder (not included).

Passport 1000 P1 Rim Exit Device Replacement Parts	
Part No.	Description
52-5373	Door position switch kit
P1 - 777 - [lever] - [finish] - [handing]	Exit trim (ET) with cylinder
P1 - 778 - [lever] - [finish] - [handing]	Exit trim (ET) without cylinder

Passport 1000 P1 PoE Mortise Exit Device Replacement Parts	
Part No.	Description
52-5373	Door position switch kit
P1 - 777-8 - [lever] - [finish] - [handing]	Exit trim (ET) with cylinder
P1 - 778-8 - [lever] - [finish] - [handing]	Exit trim (ET) without cylinder

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Mechanical Options

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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	**16-**	Cylinder lockdown (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
	OBS-	Open Back Strike (for 82278 & 82279 only)
	WBS-	Wrought Box Strike (Not available for 80 series)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	**43-**	Flush End Cap (exit devices only)
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Hurricane-Resistant exit devices	**HC-**	Hurricane Code (rim exit devices only, see page 18 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 18 for details)
Thumbturns	**T1-**	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

Note: More Cylinder Options on the following page

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Cylinder Options & Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent Core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

Hardware	Shipping Weight	Pc. Count/Carton
P1-82276 x lever trim (with cylinder & DB)	11.7 lbs (5.3 kg)	1/carton
P1-82278 x lever trim (with cylinder)	11.2 lbs (5.1 kg)	1/carton
P1-82277 x lever trim (w/o cylinder & w/ DB)	11.2 lbs (5.1 kg)	1/carton
P1-82279 x lever trim (w/o cylinder & DB)	10.7 lbs (4.9 kg)	1/carton
P1-10G77 with lever	10.1 lbs (4.6 kg)	1/carton
P1-8977 with ET	23.0 lbs (10.4 kg)	1/carton
P1-8877 with ET	21.0 lbs (9.5 kg)	1/carton

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UL Listed Hurricane-Resistant Certifications & Florida Building Codes

Authorized Channel Partner
ASSA ABLOY

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ASSA ABLOY

Passport 1000 P1

SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane-resistant certification. SARGENT products are independently tested to meet the requirements of the building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the test standards met by these products.

Passport 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL6728-R1
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport 8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL6728-R1
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport HC-8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)

  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL2998-R2

Passport WS-8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport WS-8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

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SARGENT®

ASSA ABLOY

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90693 06/21

Product Catalog

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Passport 1000 P2

WiFi Campus Access Control Products

Available through Authorized Channel Partners only. Contact your local PERSONA or ASSA ABLOY Door Security Solutions sales consultant for details.





Experience a safer and more open world

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Passport 1000 P2

Authorized Channel Partner
ASSA ABLOY

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agion
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

Overview

An ANSI/BHMA Grade 1 lock using WiFi technology, the Passport 1000 P2 provides a cost-effective, future-proof solution for campuses. Featuring HID® multiCLASS SE® technology, it provides simultaneous support for multiple credentials and offers an easy migration path to higher security credentials and mobile access. With no wiring required, installation is fast, easy and affordable.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT Passport 1000 P2 is part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
ASSA ABLOY

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates on product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Passport 1000 P2 Features

- Intelligent, integrated ANSI/BHMA Grade 1 lockset, available in cylindrical lock, mortise lock, and exit device configurations, offers the highest degree of physical security available in access control locks
- Utilizes 802.11b/g/n WiFi network infrastructure for cost-effective installations; no proprietary equipment required
- Lock holds 2,400/10,000 users* and 10,000 event audit trail
- Available with key override

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Overview, Features and Electrical Specifications

Passport 1000 P2

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Access Credentials

Magnetic Stripe:

- Read speed: 4 to 40 in/s
- Card track: Track 2
- Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Time resolution on card: 1 minute
- Magnetic head lifetime: 300,000 operations

Keypad:

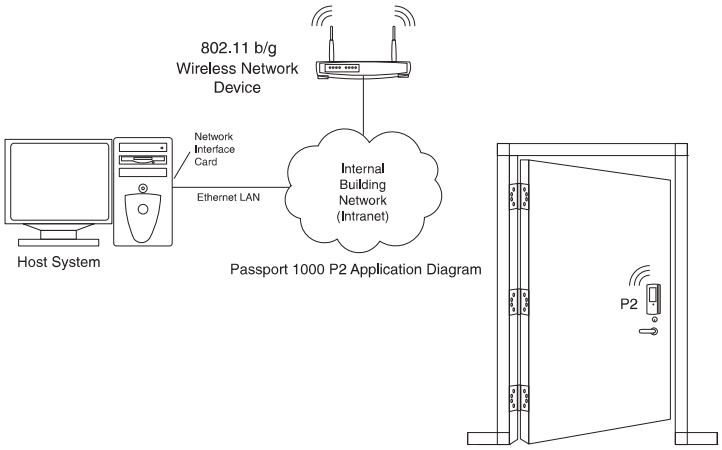
- PIN code: 4-digits with card, or 6-digits PIN only

Credential Reader:

- 2.4 GHz credentials:
  - Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart) NFC & BLE-enabled Mobile Phones:
  - HID Mobile Access (BLE and NFC)
- Seos Apple Wallet (NFC)
- High Frequency (13.56 MHz):
  - HID iCLASS®
  - HID iCLASS SE® (SIO-enabled)
  - HID iCLASS® Seos™
  - HID MIFARE® SE
  - HID DESfire® EV1 SE
  - MIFARE Classic
  - DESfire EV1
  - PIV/PIV-I (40-bit BCD, 64-bit
- BCD, 75 bit, 128-bit or 200-bit outputs)
- Low Frequency (125 kHz):
  - HID Prox®
  - AWID
  - EM4102
- 13.56 MHz credentials:
  - iCLASS®
  - iCLASS SE® (SIO-enabled)
  - iCLASS® Seos®
  - SIO on MIFARE® Classic
  - SIO on MIFARE DESfire® EV1
  - MIFARE Classic
  - DESfire EV1
  - NFC-enabled mobile phones
- 125 kHz credentials:
  - HID Prox®

* Contact your access control system manufacturer for more information.

Passport 1000 P2 Online Wireless Ethernet Typical Application



Passport 1000 P2 Application Diagram

Electrical Specifications

- Power supplied through Ethernet
- Class 1 Device defined by IEEE 802.3af requiring less than 3.84 watts
- Network Drop Cable (by others) Specifications:
  - Cat5e or higher
  - TIA/EIA-568-B
  - Plenum-rated (if required by local code)
  - 24AWG
- Grounding
  - Device ground must be tied to building/electrical earth ground
- FCC Part 15-compliant
- Network Surface Mount Box:
  - Cat5e or higher (RJ45)
  - TIA/EIA-568-B
- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

EAC Regulatory Compliance:

- UL294 6th Edition (not applicable to FM7300)
- CAN/ULC S319 (not applicable to FM7300)
- BHMA A156.25 (not applicable to FM7300)

Software

Compatible with ASSA ABLOY's PERSONA Campus™ software or with approved third party access control software.

PERSONA Campus Software

PERSONA Campus™ Software is an advanced and flexible locking system that supports magstripe and contactless technology to provide seamless database integration and software interface with enterprise, transactional and housing systems. PERSONA Campus™ software provides customized access by user, by facility, or individual lock.

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P2 8200 Series Mortise Locks

Passport 1000 P2

Authorized Channel Partner
ASSA ABLOY

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The Passport 1000 motorized 8200 Series Mortise Lock has a clean, crisp design and is available with the SARGENT Studio Collection, Coastal Series and traditional lever designs in a full array of finishes. The mortise locks are available with or without deadbolt and with or without key override. EcoFlex™ technology offers improved battery life.

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- Motor driven mortise lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- 8200 Series Levers and Roses are shown on pages 8-10
- Stainless steel non-handed deadlocking latch
- Handed lockbody, easily field reversible without opening lock body
- Lever trim through-bolted for increased security and durability
- UL/ULC Listed for use on fire doors*
- Hurricane-Resistant Certifications listed on page 17
- Batteries included

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Passport 1000 P2 Mortise Lock Functions

Standard P2-Mortise feature:

- Outside lever rigid except when in "passage" mode or valid user code entered
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Request-to-Exit: monitoring inside lever
- Latchbolt Monitoring: monitors latchbolt position
- Door Position Signaling: monitors door position

Key Override Function Features:

- Key outside retracts latchbolt and retracts & projects deadbolt
- Key override with a #41 (1-1/8") Mortise Cylinder

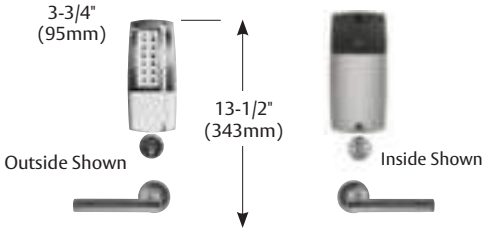
Deadbolt Function Features:

- When deadbolt thrown, outside lever operable only with predetermined code
- Deadbolt Monitoring: monitors deadbolt position
- 1" hardened stainless steel deadbolt

The Passport 1000 P2 mortise lock with deadbolt is required for escape return functionality (a residential requirement in Canada). No other Passport 1000 P2 locks will support this requirement.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)



P2 Mortise Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override and deadbolt**		P2	82	276
Key override and no deadbolt		P2	82	278
Deadbolt and no key override**		P2	82	277
No deadbolt and no key override		P2	82	279
Magnetic Stripe & Keypad				
Key override and deadbolt**	KP-	P2	82	276
Key override and no deadbolt	KP-	P2	82	278
Deadbolt and no key override**	KP-	P2	82	277
No deadbolt and no key override	KP-	P2	82	279
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
	Series	Type	Function	Technology
Key override and deadbolt**	P2	82	276	IKMPS*
Key override and no deadbolt	P2	82	278	IKMPS*
Deadbolt and no key override**	P2	82	277	IKMPS*
No deadbolt and no key override	P2	82	279	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override and deadbolt**	P2	82	276	IMPS*
Key override and no deadbolt	P2	82	278	IMPS*
Deadbolt and no key override**	P2	82	277	IMPS*
No deadbolt and no key override	P2	82	278	IMPS*
FeliCa, keypad, mag stripe, Prox				
Key override and deadbolt**	P2	82	276	CKMP*
Key override and no deadbolt	P2	82	278	CKMP*
Deadbolt and no key override**	P2	82	277	CKMP*
No deadbolt and no key override	P2	82	278	CKMP*
FeliCa, mag stripe, Prox				
Key override and deadbolt**	P2	82	276	CMP*
Key override and no deadbolt	P2	82	278	CMP*
Deadbolt and no key override**	P2	82	277	CMP*
No deadbolt and no key override	P2	82	278	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.
** Deadbolt required for escape return functionality (a residential requirement in Canada).

How to Order: Passport 1000 P2 Mortise Locks with Magnetic Stripe Only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Mortise Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**KP-P2-82276**				**LN**	**MX**	**26D**	**RH**

How to Order: Passport 1000 P2 Mortise Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Mortise Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**P2-82276-IKMPS**				**LN**	**MX**	**26D**	**RH**

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P2 10 Line Cylindrical Locks

Passport 1000 P2

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The PERSONA Passport 1000 P2 10 Line Cylindrical lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT locks at a facility.

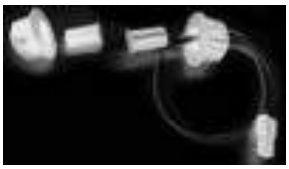
Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
- Motor driven cylindrical lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard; 3-3/4" and 5" backsets also available
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Non-Handed lock body, levers may be handed (Specify RH, RHR, LH or LHR)
- Heavy duty lever spring return
- Adjustable through-bolt positions
- Steel mounting studs
- Not available with 10-UL-, 82-, 83- or 84- options
- UL/ULC Listed for fire doors*
- Hurricane-Resistant Certifications listed on page 17
- Batteries included



52-5373 Door Position Switch (DPS)

- SPDT concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door



* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

P2-10G77 Entry Lock with Cylinder

- Outside lever rigid except when in "passage" mode or valid user code entered
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit (REX) signaling standard
- Door Position Switch (DPS, part #52-5373) supplied to allow for full monitoring
- 10 Line Levers are shown on page 8 and Roses are shown on page 10

Key Override Standard Features:

- Key outside retracts latchbolt

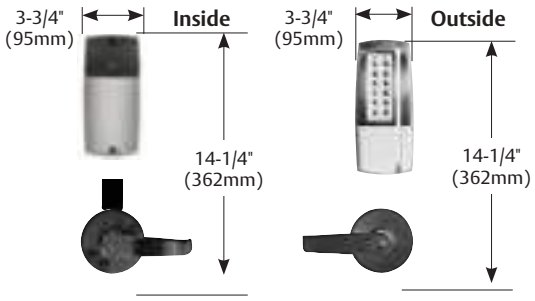
P2 Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override		P2	10	G77
Magnetic Stripe & Keypad				
Key override	KP-	P2	10	G77
	Series	**Type**	**Function**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override	P2	10	G77	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Key override	P2	10	G77	IMPS*
FeliCa, keypad, mag stripe, Prox				
Key override	P2	10	G77	CKMP*
FeliCa, mag stripe, Prox				
Key override	P2	10	G77	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)



How to Order: Passport 1000 P2 Cylindrical Locks with Magnetic Stripe Only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Cylindrical Lock Function chart above				Select rose, lever and finish from pages 8 & 10			RHR, LHR, RH or LH
**28-	KP-P2-10G77				L	G	03	RH

How to Order: Passport 1000 P2 Cylindrical Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Cylindrical Lock Function chart above				Select rose, lever and finish from pages 8 & 10			RHR, LHR, RH or LH
**28-	P2-10G77-IKMPS				L	G	03	RH

**28- option supplies a 4-7/8" strike, opposed to the 2-3/4" T strike supplied standard

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P2 80 Series Exit Devices

Passport 1000 P2

Authorized Channel Partner
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The Passport 1000 P2 80 Series Exit Devices offers access control with magnetic stripe only, magnetic stripe/keypad, magnetic stripe/keypad/proximity reader, or magnetic stripe/keypad/iCLASS® reader for campus environments, and particularly in areas where life safety is a primary concern, such as in stairwell areas or tenant-occupied facilities.

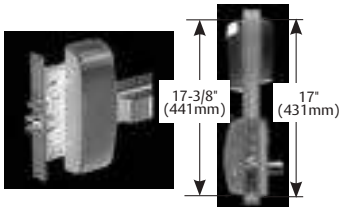
Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- Latch 3/4" (19mm) throw (8800: stainless steel, 8900: anti-friction brass)
- Cylinder requirements: 8800 Series uses a #34 Rim Cylinder; 8900 Series uses a #46 Mortise Cylinder (1-3/4")
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Batteries included
- EcoFlex™ technology offers improved battery life
- Available with Studio Collection, Coastal Series and all standard levers
- UL/ULC Listed for fire doors*
- Hurricane-Resistant Certifications listed on page 15

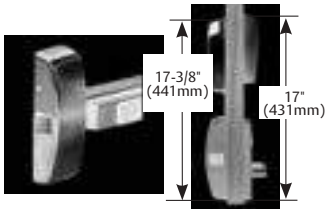
* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

All P2 Exit Devices feature:

- Lever outside rigid except when in passage mode or valid user code entered
- Always allows free egress
- Request-to-Exit (REX): monitors rail position
- Door Position Switch (DPS, part #52-3893) supplied; allows for full monitoring (shown on page 5)



P2 8900 Mortise Exit Devices



P2 8800 Rim Exit Devices

P2 Exit Device Functions

	Mortise Lock Exit			Rim Exit		
If the lock needs to have:	**Technology**	**Series**	**Type & Function**	**Technology**	**Series**	**Type & Function**
Magnetic Stripe only						
Key override		P2	8977		P2	8877
No key override		P2	8978		P2	8878
Magnetic Stripe & Keypad						
Key override	KP-	P2	8977	KP-	P2	8877
No Key override	KP-	P2	8978	KP-	P2	8878
	Series	**Type & Function**	**Technology**	**Series**	**Type & Function**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)						
Key override	P2	8977	IKMPS*	P2	8977	IKMPS*
No Key override	P2	8978	IKMPS*	P2	8978	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)						
Key override	P2	8977	IMPS*	P2	8977	IMPS*
No Key override	P2	8978	IMPS*	P2	8978	IMPS*
FeliCa, keypad, mag stripe, Prox						
Key override	P2	8977	CKMP*	P2	8977	CKMP*
No Key override	P2	8978	CKMP*	P2	8978	CKMP*
FeliCa, mag stripe, Prox						
Key override	P2	8977	CMP*	P2	8977	CMP*
No Key override	P2	8978	CMP*	P2	8978	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

Outside ET Lever Control

- Cast escutcheon
- Projection 13/16" (21mm)
- Motor-driven trim

How to Order: Passport 1000 P2 Exit Devices with Magnetic Stripe only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Rail Size	ET Trim/ Lever	Finish	Hand	Door Width
Select from pages 14-16	Select from P2 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 8-10	Select from page 8	RHR or LHR	If supplied, rails will be cut to size
Example:	**KP-P2-8878**				**F**	**ETL**	**03**	**RHR**	**34"**

How to Order: Passport 1000 P2 Exit Devices with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Rail Size	ET Trim/ Lever	Finish	Hand	Door Width
Select from pages 14-16	Select from P2 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 8-10	Select from page 8	RHR or LHR	If supplied, rails will be cut to size
Example:	**P2-8878-IKMPS**				**F**	**ETL**	**32D**	**RHR**	**36"**

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Exit Device Retrofit Kits

Passport 1000 P2

Authorized Channel Partner
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Add the advanced access control capabilities of Passport 1000 to existing exit devices. Our retrofit kits make it easy to upgrade your campus security without the hassle and expense of replacing the entire exit device.



Retrofit Kits for Von Duprin® 98/99 Series Rim Exit Devices

Features:

- Key override compatible with a variety of rim cylinders. Trim prepped for cylinder (not included).
- Available with all Passport 1000 P2 credential options
- Provides complete coverage of door prep for Von Duprin 996 trim; call 800-810-WIRE for information on door prep coverage for other trims
- Available with Studio Collection, Coastal Series, and all standard levers
- Available in the same finishes as Passport 1000 exit devices with ET trim (see page 8)
- Mechanical trim available for double door applications. Refer to accessories (page 13) for ordering information.
- Matching dummy trim available for double doors.

Specifications:

- Meets ANSI/BHMA Grade 1 requirements
- UL/ULC Listed for fire doors*
- Requires Von Duprin RX switch assembly #050251-00 (supplied by others)

Passport 1000 P2

If the retrofit kit needs to have:	Then select:			
	Technology	Series	Function	Outside Trim
Magnetic Stripe only		P2	231	EK1
Magnetic Stripe & Keypad	KP	P2	231	EK1
	Series	Function	Outside Trim	Technology
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)	P2	231	EK1	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)	P2	231	EK1	IMPS*
FeliCa, keypad, mag stripe, Prox	P2	231	EK1	CKMP*
FeliCa, mag stripe, Prox	P2	231	EK1	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.

How to Order: Passport 1000 P2 Exit Device Retrofit Kits with Magnetic Stripe Only or Magnetic Stripe and Keypad

Technology	Series	Function	Outside Trim	Levers	Finish	Hand
Select from P2 Retrofit Kit Function chart above				Select lever and finish from pages 8-10		RHR or LHR
KP-P2-231 x EK1				G	26D	LHR

How to Order: Passport 1000 P2 Exit Device Retrofit Kits with multiCLASS SE® Reader

Series	Function	Technology	Outside Trim	Levers	Finish	Hand
Select from P2 Retrofit Kit Function chart above				Select lever and finish from pages 8-10		RHR or LHR
P2-231 x IKMPS x EK1				G	26D	LHR

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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P2 FM7300 SeriesMulti-Point Locks

Passport 1000 P2

Authorized Channel Partner
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The Passport 1000 P2 FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry.

Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by an EAC mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Passport 1000 P2 Multi-Point Lock Functions

Standard P2 Multi-Point Locks feature:

- Outside lever rigid except when in "passage" mode or valid user code entered
- Trim inside always retracts latch and/or deadbolt
- Guardbolt deadlocks latch
- Latchbolt Monitoring: monitors latchbolt position
- Door Position Signaling: monitors door position

Deadbolt Function Features:

- When deadbolt thrown, outside lever operable only with predetermined code
- Deadbolt Monitoring: monitors deadbolt position
- 1" hardened stainless steel deadbolt
- No key override with deadbolt: Deadbolt projected and retracted by thumbturn or key
- Key Override with deadbolt: Key outside retracts deadbolt. Key outside also retracts latch and unlocks outside when trim is locked electronically
- Top and bottom rods retracted by lever
- Deadbolt projected and retracted by thumbturn or key

Escutcheons

- Key button text is recessed to prevent wear
- Zinc die cast
- A multi-colored LED indicates valid/invalid entries
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

P2 Multi-Point Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Deadbolt and no key override**		P2	FM73	277
Key override with deadbolt		P2	FM73	276
Magnetic Stripe & Keypad				
Deadbolt and no key override**	KP-	P2	FM73	277
Key override with deadbolt	KP-	P2	FM73	276
	Series	**Type**	**Function**	**Technology**
iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Deadbolt and no key override**	P2	FM73	277	IKMPS*
Key override with deadbolt	P2	FM73	276	IKMPS*
iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)				
Deadbolt and no key override**	P2	FM73	277	IMPS*
Key override with deadbolt	P2	FM73	276	IMPS*
FeliCa, keypad, mag stripe, Prox				
Deadbolt and no key override**	P2	FM73	277	CKMP*
Key override with deadbolt	P2	FM73	276	CKMP*
FeliCa, mag stripe, Prox				
Deadbolt and no key override**	P2	FM73	277	CMP*
Key override with deadbolt	P2	FM73	276	CMP*

* For Bluetooth Smart support, add "B" to the beginning of the technology code.
** Deadbolt required for escape return functionality (a residential requirement in Canada).

How to Order: Passport 1000 P2 Multi-Point Locks with Magnetic Stripe Only or Magnetic Stripe and Keypad

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Multi-Point Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**KP-P2-FM73277**				**LN**	**MX**	**26D**	**RH**

How to Order: Passport 1000 P2 Multi-Point Locks with multiCLASS SE® Reader

Options	Series	Type	Function	Technology	Roses	Levers	Finish	Hand
Select from pages 14-16	Select from P2 Multi-Point Lock Function chart above				Select rose, lever and finish from pages 8-10			RHR, LHR, RH or LH
Example:	**P2-FM73277-IKMPS**				**LN**	**MX**	**26D**	**RH**

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Finishes, ET Trim and Handling

Passport 1000 P2

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Passport 1000 P2 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. P2 mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). P2 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

Note: Exit devices are only available with ET Trim

Finishes

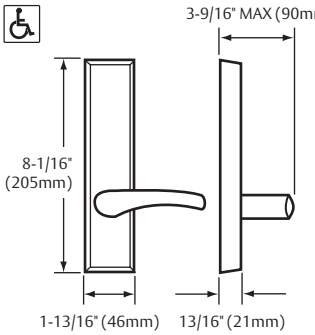
SARGENT offers many different finishes for P2 products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze - equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	X	–	X
32D∞	Satin stainless steel	630	X	–	X
BSP	Black suede powder coat	–	X	X	X
WSP	White suede powder coat	–	X	X	X

‡ Exit Devices ordered in 32 or 32D will have the ET trims supplied in 26 or 26D; for nickel finished ET trims, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly

∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

ET Lever Trim for Exit Devices

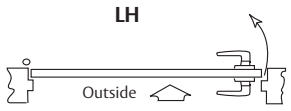


The 700 Series ET and Lever Control is the external trim with all P2-80 Series exit devices

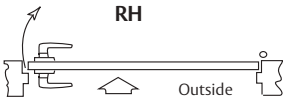
ET Escutcheons and levers are plated brass

Stainless steel levers are available

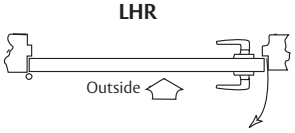
Handing



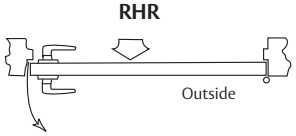
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Standard and Coastal Series Levers, Finishes, ET Trim and Handling

Passport 1000 P2

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Passport 1000 P2 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. P2 mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). P2 Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

Levers

Standard Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: P2-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: P2-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

Roses

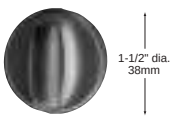
Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
E2		2-11/16"	X	

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
E3		2-1/16"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

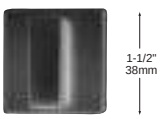
Thumbturns

The thumbturn backplate will match the rose design chosen. The turn designation must be specified as an option before the lock order string.
*The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 9 in the 8200 mortise lock catalog for more information.

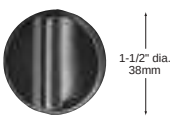
T1 Turn



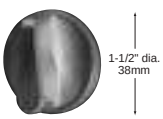
T2 Turn



T3 Turn



Standard Turn*



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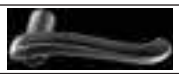
Studio Collection Levers

Passport 1000 P2

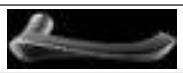
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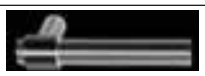
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Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X
Odeon Series[4]				
MN[2,3]		Yes	X	X
MH[3]		Yes	X	X
MS[3]		Yes	X	X
MU[3]		Yes	X	X
MV[3]		Yes	X	X
NS[1,3]		Yes	X	X
NU[1,3]		Yes	X	X
MX[1,3]		Yes	X	X

Berlin Series				
H015		-	X	X
H016[1]		-	X	X
H017		-	X	X
H018		-	X	X

Notting Hill Series[3]				
Lever	Design	Handed	Mortise Locks	Exit Devices
MQ		Yes	X	X
MT[2]		Yes	X	X
MY[1]		Yes	X	X
MO		Yes	X	X
MZ[1]		Yes	X	X

Centro Levers				
MD		–	X	X
MJ		–	X	X
MP[2,3]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X
Gramercy Levers**				
RCM[2]		–	X	X
RAL[2]		–	X	X
REM[2]		–	X	X
RAM[2]		–	X	X
RAS[2]		–	X	X
RAG[2]		–	X	X
RGM[2]		–	X	X

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. Refer to page 12 for ordering information.
3. Not available in 32D or 32 finish
4. Not available in stanless steel finishes.

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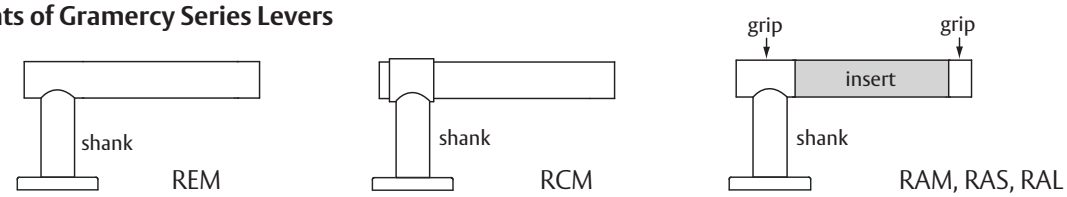
Ordering Gramercy Series Levers and Rose Designs

Passport 1000 P2

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Elements of Gramercy Series Levers



Lever	Part Number	Shank Finish*	Insert	Grip Finish
Plain†	**REM**	Polish Stainless (629) or Satin Stainless (630)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Raised Band	**RCM**	Polished Stainless (629)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Metallic Insert	**RAM**	Polished Stainless (629)	Satin Stainless (630)	Polished Stainless (629)
With Santoprenne Insert†	**RAS**	Polished Stainless (629) or Satin Stainless (630)	Black (BK)	Polish Stainless (629) or Satin Stainless (630)
With Leather Insert†	**RAL**	Polished Stainless (629) or Satin Stainless (630)	Black (BK) or Brown (BN)	Polish Stainless (629) or Satin Stainless (630)

* Rose finish is designated by shank finish selected, escutcheon finish will be 14 or 15 finish accordingly
† Grip finish must match shank finish

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

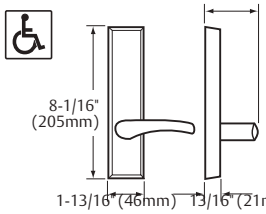
How to Order: P2- Mortise Lock with Gramercy Levers

Options	Series/ Type	Function	Technology	Rose	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
Select from pages 14-16	P2-82	Select from page 4	Select from page 4	Select from below	Leather insert	Polished or satin stainless	Black or Brown	Polished or satin stainless	RHR, RH, LHR, or LH
10-	P2-82	276	IKMPS	LN	RAL	29	BN	29	RH

How to Order: P2- Exit Device x Gramercy Levers

Options	Series	Type	Function	Technology	Rail Size	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
Select from pages 14-16	Select from page 6				E, F, J or G	ET Series	Leather insert	Polished or satin stainless	Select from above	Polished or satin stainless	RHR or LHR	Select from page 8	
10-	P2-	88	77	IKMKPS	F	ET	RAL	29	BN	29	RHR	32D	36"

ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all Profile 80 Series exit devices

ET Escutcheons and levers are plated brass

Stainless steel levers are available

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Accessories

Passport 1000 P2

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Hard Power Option (91-)

The Hard Power option (91-) is recommended for high traffic doors or openings that require online behavior. Hard powering a Passport 1000 P2 allows the lock to operate in an always connected mode. The P2 allows hard powering via an input of 12 to 24V DC and draws 200mA at 12V DC in always connected mode. SARGENT offers a range of power supplies suitable for this application.

12VDC & 24VDC Power Supplies

- UL Class 2 Listed filtered and regulated supply
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

Model	Description
3521	12V - 1 Amp power supply
3541	12V - 3 Amp power supply
3551	12V - 4.5 Amp power supply
3571	12V - 6 Amp power supply
737	12V - 5 Amp 1 hour backup battery
3520	24V - 1 Amp power supply
3540	24V - 2 Amp power supply
3550	24V - 4 Amp power supply
3570	24V - 6 Amp power supply
738	24V - 5 Amp 1 hour backup battery

ElectroLynx® hinges and harnesses required for hard-powered Passport 1000 P2 applications are available through McKinney.

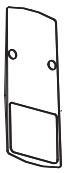
52-4824 Hard Power Cable Kit

- Included with 91- prefix option units
- Allows for hard powering (91-) of Passport 1000 P2 or IN120 (required for certain monitoring features)
- Compatible with ElectroLynx® system

Weatherseal Gasketing

- Provides sealing between outside escutcheon and door for exterior applications
- Gasketing (included) recommended for non-fire rated exterior applications

52-0782



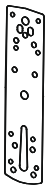
For use with Passport Escutcheon

52-0263



For use with ET Trim

97-0773



For use with EK1 Exit Trim

52-5373 Door Position Switch (DPS)

- SPST concealed switch (2 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door
- Supplied with P2 Exit Devices and Bored Locks



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Replacement Parts

Passport 1000 P2

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Passport 1000 P2 Electronics Replacement Parts	
Part No.	**Description**
52-3583-[finish]	MA Outside escutcheon assembly, mag stripe
52-3582-[finish]	KM Outside escutcheon assembly, mag stripe and keypad
52-4759-[finish]	IKMPS Outside escutcheon assembly, iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE)
52-4894-[finish]	BIKMPS Outside escutcheon assembly, iCLASS, keypad, mag stripe, Prox, smart card (MIFARE, DESFIRE), Bluetooth Smart-enabled mobile phones
52-4777-[finish]	IMPS Outside escutcheon assembly, iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE)
52-4895-[finish]	BIMPS Outside escutcheon assembly, iCLASS, mag stripe, Prox, smart card (MIFARE, DESFIRE), Bluetooth Smart-enabled mobile phones
52-4787-[finish]	CKMP Outside escutcheon assembly, FeliCa, keypad, mag stripe, Prox
52-4796-[finish]	BCKMP Outside escutcheon assembly, FeliCa, keypad, mag stripe, Prox, Bluetooth Smart-enabled mobile phones
52-4788-[finish]	CMP Outside escutcheon assembly, FeliCa, mag stripe, Prox
52-4797-[finish]	BCMP Outside escutcheon assembly, FeliCa, mag stripe, Prox, Bluetooth Smart-enabled mobile phones
P2-EM03	WiFi controller assembly
P2-EM04	Mounting plate assembly
P2-EM02 -[finish]	Inside escutcheon assembly with privacy button
P2-EM07-[finish]	Replacement kit (controller, plate, cover)

Passport 1000 P2 Mortise Lock Replacement Parts	
P2-82276-[finish]	Lockbody with deadbolt and cylinder
P2-82277-[finish]	Lockbody with deadbolt, without cylinder
P2-82278-[finish]	Lockbody without deadbolt, with cylinder
P2-82279-[finish]	Lockbody without deadbolt, without cylinder

Passport 1000 P2 Cylindrical Lock Replacement Parts	
52-5373	Door position switch kit
10-3407	Lockbody - standard cylinder
10-3412	Lockbody - LFIC
10-3417	Lockbody - SFIC

Passport 1000 P2 Rim Exit Device Replacement Parts	
52-5373	Door position switch kit
P2- 777 - [lever] - [finish] - [handing]	Exit trim (ET) with cylinder
P2 - 778 - [lever] - [finish] - [handing]	Exit trim (ET) without cylinder

Passport 1000 P2 Mortise Exit Device Replacement Parts	
52-5373	Door position switch kit
P2 - 777-8 - [lever] - [finish] - [handing]	Exit trim (ET) with cylinder
P12- 778-8 - [lever] - [finish] - [handing]	Exit trim (ET) without cylinder

Passport 1000 P1 Retrofit Exit Trim Replacement Parts	
52-5373	Door position switch kit
777-5 - [lever] - [finish] - [handing]	EK1 exit device retrofit kit replacement*

* Trim is prepped for cylinder (not included).

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Mechanical Options

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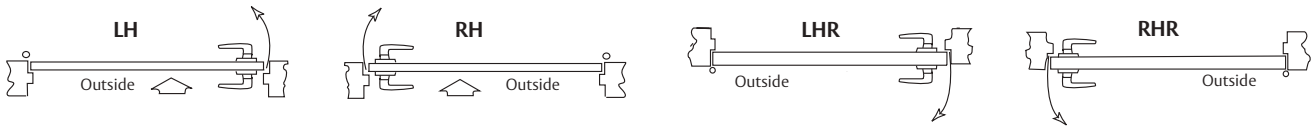
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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	**16-**	Cylinder lockdown (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 Line only)
	OBS-	Open Back Strike (for 82278 & 82279 only)
	WBS-	Wrought Box Strike (Not available for 80 series)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	**43-**	Flush End Cap (exit devices only)
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits)
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Hurricane-Resistant exit devices	**HC-**	Hurricane Code (rim exit devices only, see page 14 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 14 for details)
Electrical Options	**91-**	Power/Remote Unlocking wiring harness

Handing



Left Hand Door | Right Hand Door | Left Hand Reverse Door | Right Hand Reverse Door

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Cylinder Options and Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

Note: More Cylinder Options on the following page

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Cylinder Options and Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable **Cores**	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series Exit devices)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

Hardware	Shipping Weight	Pc. Count/Carton
P2-82276 x lever trim (with cylinder & DB)	11.7 lbs (5.3 kg)	1/carton
P2-82278 x lever trim (with cylinder)	11.2 lbs (5.1 kg)	1/carton
P2-82277 x lever trim (w/o cylinder & w/ DB)	11.2 lbs (5.1 kg)	1/carton
P2-82279 x lever trim (w/o cylinder & DB)	10.7 lbs (4.9 kg)	1/carton
P2-10G77 with lever	10.1 lbs (4.6 kg)	1/carton
P2-8977 with ET	23.0 lbs (10.4 kg)	1/carton
P2-8877 with ET	21.0 lbs (9.5 kg)	1/carton

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UL Listed Hurricane-Resistant Certifications & Florida Building Codes

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SARGENT Manufacturing Company offers a wide variety of products that meet building codes requiring Hurricane-Resistant certification. SARGENT products are independently tested to meet the requirements of the building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the test standards met by these products.

Passport 10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL6728-R1
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport 8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL6728-R1
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport HC-8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website for Hurricane-resistance: FL2998-R2

Passport WS-8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

Passport WS-8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website for Hurricane-Resistant hardware:

- Passport WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201*
- Testing Application Standard (TAS) 202*
- Testing Application Standard (TAS) 203*

  * published in the Florida Building Code for use in the High Velocity Hurricane Zone (HVHZ)
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website for Hurricane-resistance: FL4351-R1

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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Offline Campus Access Control Products

Available through Authorized Channel Partners only. Contact your local PERSONA or ASSA ABLOY Door Security Solutions sales consultant for details.

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Passport 1000 PG

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MicroShield™

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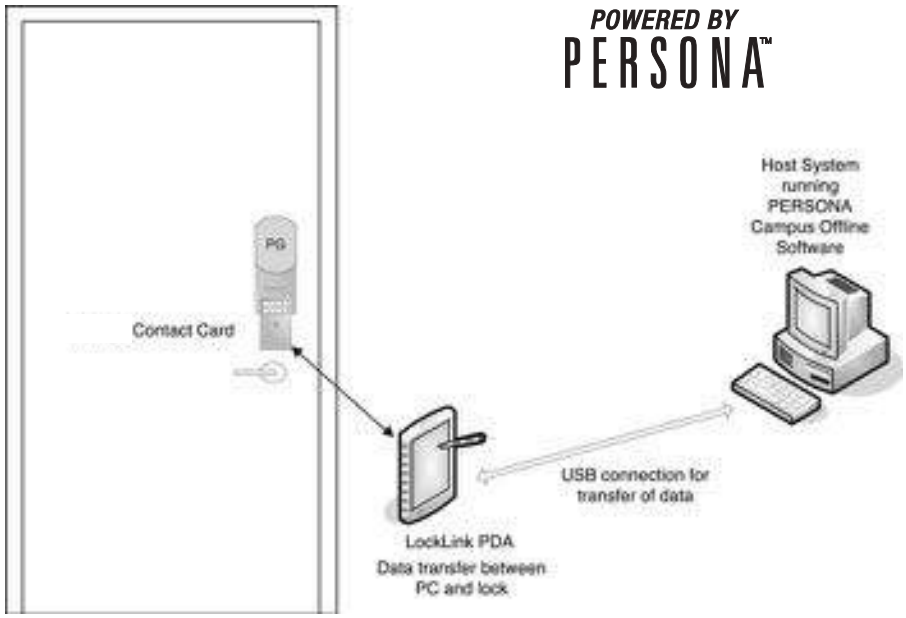
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

Passport 1000 PG
Offline

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On the Cover

KP-PG- 8200 Mortise Lock

Experience a safer and more open world

Overview, Features, Technical Information and Accessories

Passport 1000 PG

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

Overview

An ANSI/BHMA Grade 1 lock using WiFi technology, the Passport 1000 P2 provides a cost-effective, future-proof solution for campuses. Featuring HID® multiCLASS SE® technology, it provides simultaneous support for multiple credentials and offers an easy migration path to higher security credentials and mobile access. With no wiring required, installation is fast, easy and affordable.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT Passport 1000 P2 is part of the expanding ASSA ABLOY family of innovative products combining our proven mechanical locking devices with leading-edge technologies to provide integrated electronic access control solutions. As such, these products require training and certification for resellers and integrators to ensure proper product selection, successful deployment and customer satisfaction.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio® wireless, Integrated Wiegand, IP-enabled and self-configurable intelligent components:

Authorized Channel Partner
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- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

Certified Integrator
ASSA ABLOY

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates on product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Passport 1000 PG Features

- Comprehensive access control for campus housing and facilities
- Integrates into a One Card campus solution
- Flexible card issuing stations for mass check-ins
- Multiple hardware solutions for every door type
- Simplified migration to WiFi or Power over Ethernet locks

Access Credentials

Keypad:

- PIN code: 4-digits with card, or 6-digits PIN only

Magnetic Stripe:

- Read speed: 4 to 40 in/s
- Magnetic head lifetime: 300,000 operations
- Card track: Track 1 or 3
- Card Coercivity: HiCo (4000 Oersted) or LoCo (300 Oersted)
- Time resolution on card: 1 minute

Power Specifications

- Power supply: 6 AA alkaline batteries or special climate battery package
- Voltage: (max/min)9VDC/5.5VDC

Environmental Specifications

- Operating temperature: -13°F (-25°C) to 151°F (66°C)
- Humidity: <85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Accessories (contact PERSONA)

- PERSONA Campus 1000™ Offline Software
- Multitrack encoder
- Pocket PC
- Magnetic stripe cards

PERSONA Campus 1000™ Offline Software

- Most existing magstripe ID cards work with the system including high or low coercivity magnetic stripes
- Importing student or personnel information is easy with the import module without duplicating existing databases
- Administrators can encode key cards quickly and easily with "Conference Guest Wizard"
- Connects to an external database for seamless integration of common information
- The System Events Log is password protected; level of security is user-configurable
- Time scheduling allows different access to various users at designated times throughout the day
- Can perform individual user or group searches and generate reports
- Deadbolt override is granted at user-specified doors for individual key card holders/users or globally for specific cardholders
- Remote technical support is available via modem or internet
- Assign pre-defined access patterns and access points as well as key card start and end times to individual users
- New key cards can invalidate and reactivate key cards/users —no need to reprogram the lock!
- Runs on a single PC as a stand alone system or networked with existing TCP/IP networks on Microsoft® Windows®

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Mortise Locks

Passport 1000 PG

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The SARGENT Passport 1000 PG motorized 8200 Series Mortise Lock has a clean, crisp design and can be aesthetically complemented by SARGENT Studio Collection and Coastal Series levers, as well as traditional lever designs along with a full array of finishes. The Mortise Lock offers stand alone Access Control solutions for academic, military and medical campuses. This lock is available with or without deadbolt and with or without cylinder override.

Mechanical Features

- Certified to and exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven Mortise Lock
- 3/4" Stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- 1" Hardened stainless steel deadbolt
- Stainless steel non-handed deadlocking latch
- Handed lockbody, easily field reversible without opening lockbody
- Lever trim through-bolted for increased security and durability
- Cylinder override requires a #41 Cylinder (1-1/8")
- Not available with SC- or SE- prefixes
- Batteries included

Entry Locks



- PG-Products: Electronic Access with Magstripe Card only
- KP-PG-Products: Electronic Access with Magstripe Card and Keypad
- Key outside retracts latch when trim is locked electronically
- Outside lever rigid except when in "passage" mode or valid user code entered
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- Trim inside always retracts latch
- Guardbolt deadlocks latch
- Request-to-Exit (REX), Latchbolt Monitoring Reports, Key Override and Door Propped are standard

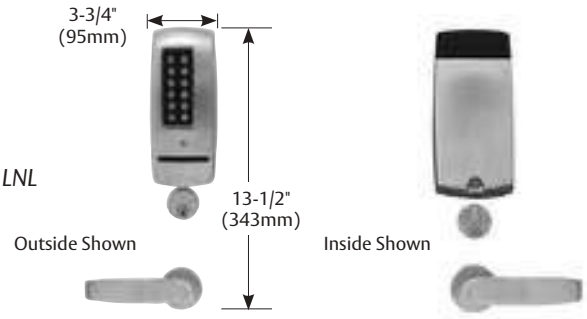
PG Mortise Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override and deadbolt		PG	82	276
Key override and no deadbolt		PG	82	278
Deadbolt and no key override		PG	82	277
No deadbolt and no key override		PG	82	279
Magnetic Stripe & Keypad				
Key override and deadbolt	KP-	PG	82	276
Key override and no deadbolt	KP-	PG	82	278
Deadbolt and no key override	KP-	PG	82	277
No deadbolt and no key override	KP-	PG	82	279

Inside/Outside Escutcheon

- Solid diecast zinc
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Keys/buttons are silk screened on backside to eliminate wear
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

KP-PG-82276 x LNL (Shown)



How to Order: Passport 1000 PG Mortise Locks with Proximity Reader

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from page 11	Select from PG Mortise Lock Function chart above				Select rose, lever and finish from pages 7-9			RHR, LHR, RH or LH
Example:	**KP-PG-82276**				**LN**	**MX**	**03**	**RH**

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Bored Locks

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The SARGENT Passport 1000 PG motorized 10 Line Bored Lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT Bored Locks at a facility, while offering Access Control solutions for dormitories, book stores, libraries, sports complexes and other campus applications.

Mechanical Features

- Certified to and exceeds ANSI/BHMA A156.2 Series 4000 - Grade 1
- Motor driven bored lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) Backset standard. 3-3/4" and 5" backsets also available.
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handed (Specify RH, RHR, LH or LHR)
- Heavy duty lever spring return
- 3 through-bolt position combinations
- Steel mounting studs
- Cylinder override standard
- Not available with 82-, 83-, 84- or VS- prefixes
- Batteries included

PG-10G77 - Entry Lock with Cylinder



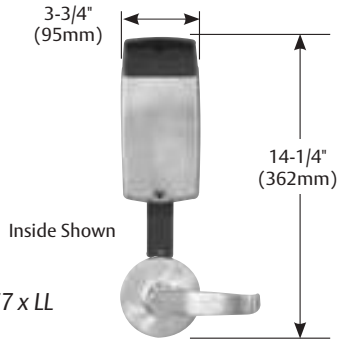
- PG-Products: Electronic Access with Magstripe Card only
- KP-PG-Products: Electronic Access with Magstripe Card and Keypad
- Key outside always retracts latch
- Lever outside rigid except when in "passage" mode or valid user code entered
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Door Position Switch (DPS, part #3287) supplied to allow for full monitoring
- 10 Line Levers and Roses (Shown on page 8)

PG Cylindrical Lock Functions

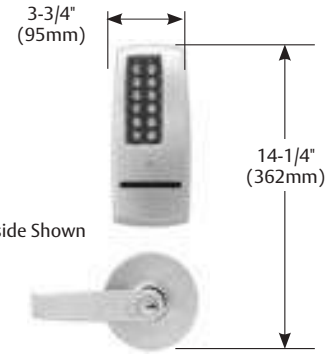
If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Key override		PG	10	G77
Magnetic Stripe & Keypad				
Key override	KP-	PG	10	G77

Escutcheons

- Solid diecast zinc
- A multi-colored LED indicates valid/invalid entries
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41mm)
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)
- Keys/buttons are silk screened on backside to eliminate wear
- Operating temperature -40°F (-40°C) to 135°F (57°C)



KP-PG-10G77 x LL (Shown)



How to Order: Passport 1000 PG Cylindrical Locks

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from page 11	Select from PG Cylindrical Lock Function chart above				Select rose, lever and finish from pages 7-8			RHR, LHR, RH or LH
Example:	**KP-PG-10G77**				**L**	**G**	**03**	**RH**

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Exit Devices

Passport 1000 PG

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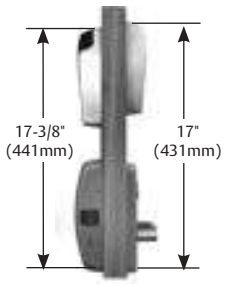
The SARGENT Passport 1000 PG 80 Series Exit Devices can be aesthetically complemented by SARGENT Studio Collection and Coastal Series levers, as well as traditional lever designs along with a full array of finishes. SARGENT 8800 Series Rim Exit Devices and 8900 Series Mortise Lock Exit Devices are available with the technology of the Persona Passport 1000 with or without cylinder override. Available with stand alone technology, these products can provide Access Control in academic, medical and military environments, and particularly in areas where life-safety is a primary concern (e.g., in stairwell areas or tenant-occupied facilities).

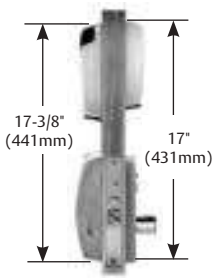
Mechanical Features

- Certified to and exceeds ANSI/BHMA A156.3 Grade 1
- Motor-driven ET trim
- Latch 3/4" (19mm) stainless steel latch for Rim
- Latch 3/4" (19mm) brass latch for Mortise Exit Devices
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- 8877 Rim Exit Devices require a #34 rim cylinder
- 8977 Mortise Exit Devices require a #46 Mortise cylinder (1-3/4")
- Cylinder override not available for 8878 and 8978
- 8977 not available with 70-, 72-, 73-, 73-7P-, SC- or SE- prefixes

Exit Devices

- PG-Products: Electronic Access with Magstripe Card only
- KP-PG-Products: Electronic Access with Magstripe Card and Keypad
- Always allows free egress
- Cylinder override retracts latch
- Lever outside rigid except when in passage mode or valid user code entered
- 80 Series Levers (Shown on pages 8 and 9)



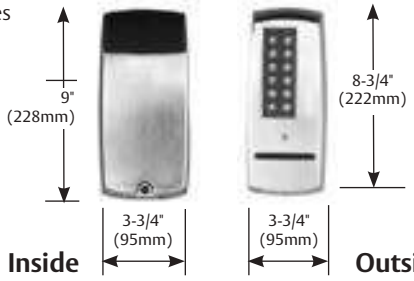


PG Exit Device Functions

	Mortise Lock Exit			Rim Exit		
If the lock needs to have:	**Technology**	**Series**	**Type & Function**	**Technology**	**Series**	**Type & Function**
Magnetic Stripe only						
Key override		PG	8977		PG	8877
No key override		PG	8978		PG	8878
Magnetic Stripe & Keypad						
Key override	KP-	PG	8977	KP-	PG	8877
No Key override	KP-	PG	8978	KP-	PG	8878

Escutcheons

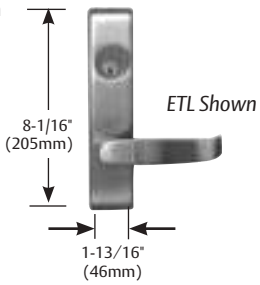
- A multi-colored LED indicates valid/invalid entries
- Solid diecast zinc
- Keys/buttons are silk screened on backside to eliminate wear
- Operating temperature – 40°F (-40°C) to 135°F (57°C)
- Projection at top 1-5/8" (41mm)



KP-PG- Shown

Outside ET Lever Control

- Brass escutcheon
- Projection 13/16" (21mm)



ETL Shown

How to Order: Passport 1000 PG Exit Devices

Options	Technology	Series	Type	Function	Rail Size	ET Trim/ Lever	Finish	Hand	Door Width
Select from page 11	Select from PG Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from pages 8-10	Select from page 7	RHR or LHR	If supplied, rails will be cut to size
Example:	**KP-PG-8878**				**F**	**ETL**	**03**	**RHR**	**34"**

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FM7300 Series Multi-Point Locks

Passport 1000 PG

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The SARGENT Passport 1000 PG FM7300 Series lock is a multi-point, deadlocking system developed to help protect lives while securing a community shelter and/or safe room entry.

Sturdy heavy-duty steel components firmly secure the door within the frame – at top, bottom, and center latch points – fortifying the opening during a windstorm event. The FM7300 Series is UL-listed for FEMA P361 (2015), FEMA P320 (2014) and ICC 500 2014 capable of withstanding severe wind speeds and flying debris. This device consists of concealed vertical rods with top and bottom latching complemented by an EAC mortise lock with a latchbolt and deadbolt at the center of the door and an optional indicator to show the status of the top and bottom latches.

The lever rotation retracts the top bolt, the bottom bolt, and center bolts simultaneously. When retracted, the bolts are held in position as the door swings. As the door closes, the hold-back feature engages the frame and the top, center, and bottom bolts project simultaneously. With the deadbolt thrown, this system protects room occupants from threatening conditions. The FM7300 Series device can be used on fire-rated doors.



Mechanical Features

- Certified to ANSI/BHMA A156.37 Series 1000 Operational Grade 1 and Security Grade 1
- Motor driven 8200 Series Mortise Lock
- 1-3/4" thick door only; fully integrated – FM7300 is part of a complete ASSA ABLOY windstorm solution utilizing Ceco StormPro® 361 and Curries StormPro® 361 doors and frames and McKinney® StormPro® hinges
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Concealed vertical assembly (rods, latches and cassette) pre-installed in door
- UL/ULC Listed for fire doors*
- FCC certified
- Windstorm certification information is listed in the Sargent FM7300 Series catalog

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Entry Locks



- PG-Products: Electronic Access with Magstripe Card only
- KP-PG-Products: Electronic Access with Magstripe Card and Keypad
- Key outside retracts latch when trim is locked electronically
- Outside lever rigid except when in "passage" mode or valid user code entered
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- Trim inside always retracts latch
- Guardbolt deadlocks latch
- Latchbolt Monitoring Reports, Key Override and Door Propped are standard

Inside/Outside Escutcheon

- Solid diecast zinc
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- A multi-colored LED indicates valid/invalid entries
- Keys/buttons are silk screened on backside to eliminate wear
- Outside Escutcheon Projection is 1-5/8" (41mm)
- Inside Escutcheon Projection is 1-5/8" (41mm)

PG Mortise Lock Functions

If the lock needs to have:	Then select:			
	Technology	Series	Type	Function
Magnetic Stripe only				
Deadbolt and no key override		PG	FM73	277
Key override with deadbolt		PG	FM73	276
Magnetic Stripe & Keypad				
Deadbolt and no key override	KP-	PG	FM73	277
Key override with deadbolt	KP-	PG	FM73	276

How to Order: Passport 1000 PG Multi-Point Locks with Proximity Reader

Options	Technology	Series	Type	Function	Roses	Levers	Finish	Hand
Select from page 11	Select from PG Multi-Point Lock Function chart above				Select rose, lever and finish from pages 7-10			RHR, LHR, RH or LH
Example:	**KP-PG-FM73277**				**LN**	**MX**	**03**	**RH**

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Finishes, ET Trim and Handing

Passport 1000 PG

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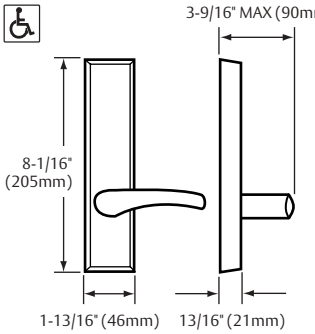
Finishes

SARGENT offers many different finishes for PG products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze - equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	X	–	X
32D∞	Satin stainless steel	630	X	–	X
BSP	Black suede powder coat	–	X	X	X
WSP	White suede powder coat	–	X	X	X

‡ Exit Devices ordered in 32 or 32D will have the ET trims supplied in 26 or 26D; for nickel finished ET trims, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly

ET Lever Trim for Exit Devices



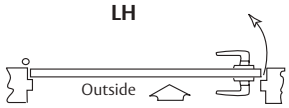
The 700 Series ET and Lever Control is the external trim with all PG-80 Series exit devices

ET Escutcheons and levers are plated brass

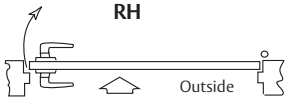
Stainless steel levers are available

Note: Exit devices are only available with ET Trim

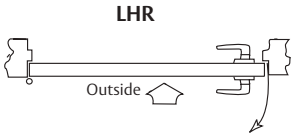
Handing



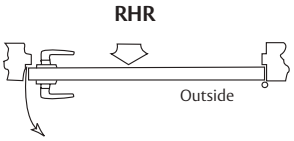
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Standard and Coastal Series Levers, Rose and Thumbturn Designs

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Passport 1000 PG products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. PG mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., TRP). Passport 1000 PG 80 Series Exit Devices are specified by the ET designation followed by the lever designation (e.g., ETP).

Levers

Standard Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: PG-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
C		–	X		X
G		Yes	X	X	
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: PG-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

Roses

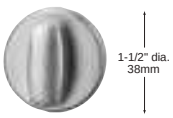
Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
E2		2-11/16"	X	

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
E3		2-1/16"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

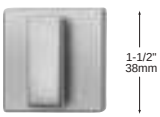
Thumbturns

The thumbturn backplate will match the rose design chosen. The turn desgination must be specified as an option before the lock order string.
*The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 9 in the 8200 mortise lock catalog for more information.

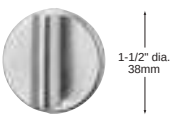
T1 Turn



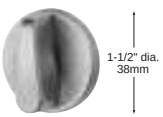
T2 Turn



T3 Turn



Standard Turn*



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Studio Collection Levers

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Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series

Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X

Odeon Series

MN[4]		Yes	X	X
MH[4]		Yes	X	X
MS[4]		Yes	X	X
MU[4]		Yes	X	X
MV[4]		Yes	X	X
NS[1,4]		Yes	X	X
NU[1,4]		Yes	X	X
MX[1,4]		Yes	X	X

Rialto Series

MO[4]		Yes	X	X
MZ[1,4]		Yes	X	X

Notting Hill Series

Lever	Design	Handed	Mortise Locks	Exit Devices
MA[3,4]		Yes	X	X
MQ[4]		Yes	X	X
MT[4]		Yes	X	X
MR[3]		Yes	X	X
MY[1,4]		Yes	X	X

Centro Levers

MD		–	X	X
MJ		–	X	X
MP[4]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X

Gramercy Levers[2]

RCM		–	X	X
RAL		–	X	X
REM		–	X	X
RAM		–	X	X
RAS		–	X	X
RAG		–	X	X
RGM		–	X	X

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. Refer to page 10 for ordering information.
3. Contact factory for current lead times
4. Not available in 32D or 32 finish

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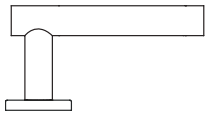
Ordering Gramercy Series Levers

Passport 1000 PG

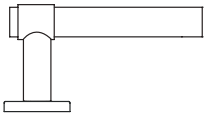
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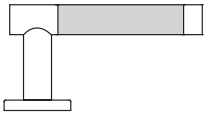
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS, or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: PG-- Mortise Lock with Gramercy Levers

Options	Technology	Series/ Type	Function	Rose	Lever	Finish	Hand
select from page 11	KP-	PG-82	select from page 4	select from below	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
SG-	KP-	PG-82	276	LN	RAL	29BN	RH

How to Order: PG- Exit Device x Gramercy Levers

Options	Technology	Series	Type	Function	Rail Size	Trim	Lever	Finish	Inside Finish	Door Width
select from page 11	Select from 80 Series Exit Device Function chart from page 6				E, F, J or G	ET Series	Leather insert	Bright stainless steel with brown leather	select from page 7	
SG-	KP-	PG-	88	77	F	ET	RAL	29BN	32D	36"

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Access Control Products Prefixes

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Mechanical Options

Fire Rated	12-	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	16-	Cylinder lockdown (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	19-	Pushbar without Lexan touchpad (exit devices only)
10 Line Backsets	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
Strike Options	23-	4-7/8" (124mm) ANSI flat lip strike (8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 Line only)
	OBS-	Open Back Strike (for 82278 & 82279 only)
	WBS-	Wrought Box Strike (Not available for 80 series)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	43-	Flush End Cap (exit devices only)
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits)
Hard Power	91-	Hard power (requires external 3267 power supply)
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
SARGuide	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Hurricane-Resistant exit devices	HC-	Hurricane Code (rim exit devices only)
	WS-	Windstorm Rated (rim and mortise lock exit devices only)
Thumbturns	T1-	Decorative thumbturn; backplate matches rose design chosen
	T2-	Decorative square thumbturn; backplate matches rose design chosen
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen

Cylinder Options

Degree Key System	DG1-60-	SARGENT Degree Key System Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-60-	SARGENT Degree Key System Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-60-	SARGENT Degree Key System Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
XC- Large Format Interchangeable Core	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
XC-Interchangeable Cores	11-70-7P-	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available)
Large Format Interchangeable Core	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
Keso & Keso F1	81-	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
Less Cylinder	LC-	Hardware supplied less cylinder
Accept Schlage Cylinders	30-	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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PR100

Featuring Aperio™ Wireless Lock Technology

Available through Authorized Channel Partners only. Contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

aperio™



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MicroShield™

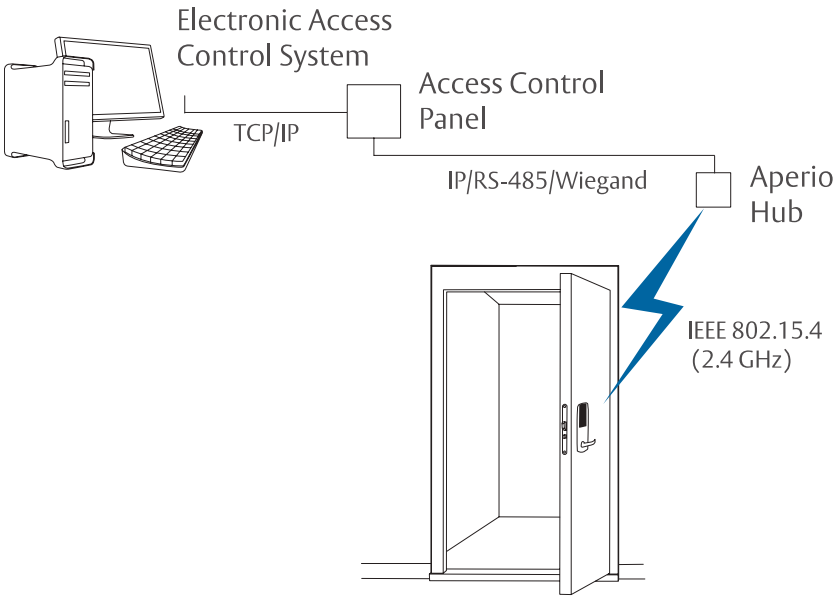
MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing. etc.)

PR100 with Aperio™ Wireless Lock Technology



Typical Application

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On the Cover

PR100 8200 Series Mortise Lock
with a MJ Studio Collection Lever

Overview and Features

PR100 with Aperio Wireless Lock Technology

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Overview

The SARGENT PR100 lock with Aperio® Technology makes it easy and cost-effective to bring access control to additional openings. It uses local wireless communication between the lock and an Aperio hub to connect to an access control system, eliminating the greatest cost and inconvenience of traditional access control – the wiring at the door.

The PR100 utilizes HID® 125 kHz proximity or 13.56 MHz iCLASS® technology and is available in mortise lock, cylindrical lock or exit device configurations. All technology features are supported by the physical security of SARGENT ANSI/BHMA Grade 1 hardware.

About ASSA ABLOY's Authorized Channel Partner and Certified Integrator Programs

The SARGENT PR100 is part of a stream of new ASSA ABLOY products moving from traditional mechanical locks to being extensions of access control systems in facilities. These exciting new technology-rich products require an increase in knowledge to ensure the correct selection and implementation in various environments.

To aid our customers in this area, ASSA ABLOY has created two programs that provide the necessary training to sell, order, install and service our technology products, including Aperio wireless, Integrated Wiegand, IP-enabled, and self-configurable intelligent components.

- *The Authorized Channel Partner (ACP)* program is open to resellers, who sell ASSA ABLOY's technology products to certified integrators, and help with product selection based on the application.

- *The Certified Integrator (CI)* program provides hands-on training for security systems integrators and network administrators. Not only does this training familiarize certified integrator candidates with product features and applications, it also gives them valuable experience installing, commissioning, and troubleshooting the products in a real-world environment. This category extends to End Users that install and manage their own systems as well as third party lock installers.

For more information on the qualifications for becoming an ACP or CI, contact your local ASSA ABLOY Door Security Solutions sales consultant for details.

Features	Benefits
Integrated reader, monitoring and short range wireless radio	Simplifies installation and reduces material costs
Minimal field configuration	Quick, easy wireless deployment that eliminates the cost and inconvenience of complex wireless site surveys
Fully-encrypted AES 128 wireless communication between PR100 and hub	High security standardized communications ensures data security
Real-time door status monitoring with deadbolt, DPS, low battery, REX, and tamper signals	Ability to respond immediately to situations at opening
ANSI/BHMA Grade 1 hardware, available in: 10 Line Bored Lock; 8200 Series Mortise Lock; 80 Series Exit Device	Flexibility to support a variety of openings; industry leading Grade 1 hardware offers the highest degree of physical security available in access control locks
HID 125 kHz or 13.56 MHz iCLASS (full authentication, all formats) contactless credentials	Integrates easily with existing HID credential systems
Utilizes Aperio global technology	Ideal for global companies who wish to deploy a standard infrastructure across multi-national locations
Uses six AA batteries	Easy, cost-effective deployment and maintenance
Keypad option available	Two-factor authentication offers enhanced security

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Product Features

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"PA" Proximity Only or "IA" iCLASS® Only Products



Exit Device shown

The "PA" (prox only) configuration supports HID 125 kHz proximity credentials. The "IA" (iCLASS-only) configuration supports HID 13.56 MHz iCLASS credentials for enhanced security through encryption and mutual authentication. The lock is managed utilizing third party access control.

"PK" Proximity / Keypad or "IK" iCLASS / Keypad Products



Mortise lock shown

The "PK" (prox/keypad) configuration supports HID 125 kHz proximity credentials. The "IK" (iCLASS/keypad) configuration supports HID 13.56 MHz iCLASS credentials for enhanced security through encryption and mutual authentication. The lock is managed utilizing third party access control. The "PK" and "IK" can be programmed to require both proximity or iCLASS credentials and PIN code to gain entry or proximity/iCLASS only.

Credential Support

- Supports HID® 125 kHz proximity or 13.56 MHz iCLASS (full authentication, all formats) contactless credentials

Environmental Specifications

- Operating temperature:
  - 125 kHz proximity products: -35° F (-37°C) to 151° F (66°C)
  - 13.56 MHz iCLASS products: -13°F (-25°C) to 151°F (66°C)
- Humidity: < 85% non-condensing
- Storage temperature: -22°F (-30°C) to 176°F (80°C)

Power

- Six (6) AA batteries included

Battery Life

	Access Events per Door	Batteries will last approximately
Low Usage	50 /day	26 months
Medium Usage	100 /day	13 months
High Usage	150 /day	9 months

Software

- Aperio USB programming dongle offers the flexibility to make field configurations easily and without any special equipment

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8200 Series Mortise Locks

PR100

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The motorized 8200 Mortise Lock one-piece escutcheon has a clean, crisp design and can be aesthetically complemented by SARGENT Studio Collection and Coastal Series levers in a full array of finishes.

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Grade 1
- UL/ULC Listed for fire doors*
- Windstorm & Florida Building Code information is listed on page 17
- Motor driven 8200 Series Mortise Lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for additional thicknesses
- Stainless steel non-handed deadlocking latch
- Not available with SC- or SE- options
- Handed, easily field reversible without disassembling lockbody
- Lever trim through-bolted for increased security and durability
- Batteries included

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings

PR100 Mortise Lock Functions

All PR100 Mortise Functions feature:

- Trim outside rigid except when valid credential presented
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch
- EcoFlex™ technology offers improved battery life

Cylinder Override Function Features:

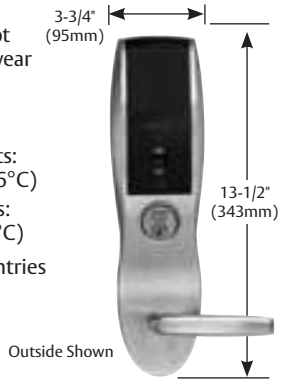
- Key outside retracts latch and deadbolt when trim is locked electronically
- Key override requires a size 43 cylinder standard or removable core (1-3/8" [35mm] length of shell)

Monitoring Features:

- Deadbolt monitoring
  – 1" hardened stainless steel deadbolt
- Door Position Switch (DPS) signaling
- Low Battery signaling
- Request to Exit (REX) signaling
- Tamper signaling

Inside/Outside Escutcheon

- Keys/buttons with double shot mold construction prevent wear
- Zinc die cast
- Operating temperature:
  – 125 kHz proximity products: -35° F (-37°C) to 151° F (66°C)
  –13.56 MHz iCLASS products: -13°F (-25°C) to 151°F (66°C)
- LEDs indicate valid/invalid entries
- Projection at bottom 5/16" (8mm) less lever
- Projection at top 1-5/8" (41mm)



PR100 Mortise Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
iCLASS only				
Key override and deadbolt	N2	82	276	IA
Key override and no deadbolt	N2	82	278	IA
Deadbolt and no key override	N2	82	277	IA
No deadbolt and no key override	N2	82	279	IA
iCLASS and keypad				
Key override and deadbolt	N2	82	276	IK
Key override and no deadbolt	N2	82	278	IK
Deadbolt and no key override	N2	82	277	IK
No deadbolt and no key override	N2	82	279	IK
Prox only				
Key override and deadbolt	N2	82	276	PA
Key override and no deadbolt	N2	82	278	PA
Deadbolt and no key override	N2	82	277	PA
No deadbolt and no key override	N2	82	279	PA
Prox and keypad				
Key override and deadbolt	N2	82	276	PK
Key override and no deadbolt	N2	82	278	PK
Deadbolt and no key override	N2	82	277	PK
No deadbolt and no key override	N2	82	279	PK

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Ordering PR100 Mortise Lock

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 14-16	Select from Mortise Lock Function chart above			IA, IK, PA, or PK	Select lever and finish from pages 9-11		RHR, LHR, RH or LH
Example:	N2-82276			IA	G	03	RH

10 Line Cylindrical Locks

PR100

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The PR100 10 Line Cylindrical Lock is available with many lever designs including Coastal Series and 11 hardware finishes. Its unique design provides uniformity when used with other SARGENT Cylindrical Locks at a facility.

Mechanical Features

- Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
- UL/ULC Listed for fire doors*
- Windstorm & Florida Building Code information is listed on page 17
- Motor driven Cylindrical Lock
- Latch Stainless Steel, 1/2" (13mm) throw
- 2-3/4" (70mm) backset standard
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Non-Handed lock body, levers may be handed (Specify RH, RHR, LH or LHR)
- Heavy duty lever spring return
- Steel mounting studs
- Not available with 10-UL-, 82-, 83-, 84- options
- Batteries included

52-4321 Door Position Switch (DPS)

Supplied with N2-10G77

- SPDT concealed switch (3 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door



* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings

PR100 Cylindrical Locks



- Key outside always retracts latch
- Lever outside rigid except when valid credential presented
- Lever inside always retracts latch
- Guardbolt deadlocks latch
- Key override standard
- Low Battery, Request-to-Exit (REX), and Tamper signaling standard
- Door Position Switch (DPS, P/N 52-4321) supplied

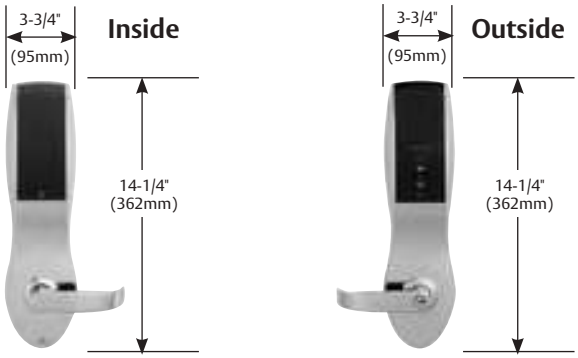
Note: The DPS is installed right above the lock and connects directly into the lock's electronics

PR100 Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
iCLASS only				
Key override	N2	10	G77	IA
iCLASS and keypad				
Key override	N2	10	G77	IK
Prox only				
Key override	N2	10	G77	PA
Prox and keypad				
Key override	N2	10	G77	PK

Escutcheons

- Zinc die cast
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41mm)
- Operating temperature:
  – 125 kHz proximity products: -35° F (-37°C) to 151° F (66°C)
  – 13.56 MHz iCLASS products: -13°F (-25°C) to 151°F (66°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevent wear



How to Order PR100 Cylindrical Locks

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 14-16	Select from Cylindrical Lock Function chart above			IA, IK, PA, or PK	Select lever and finish from pages 9 & 11		RHR, LHR, RH or LH
*28-	N2-10G77			IA	G	03	RH

*28- option supplies a 4-7/8" strike, opposed to the 2-3/4" T strike supplied standard

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80 Series Exit Devices

PR100

Authorized Channel Partner
ASSA ABLOY

SARGENT
ASSA ABLOY

The PR100 products for the SARGENT Rim and Mortise Exit Devices provide access control in areas where life-safety is a primary concern. This includes stairwell areas or tenant-occupied facilities.

Mechanical Features

- Certified ANSI/BHMA A156.3 Grade 1
- UL/ULC Listed for fire doors*
- Windstorm & Florida Building Code information is listed on page 17
- Motor-driven ET trim
- Latch 3/4" (19mm) throw (stainless steel 8800, anti-friction brass 8900)
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Batteries included
- EcoFlex™ technology reduces energy consumption up to 95% as certified by GreenCircle

52-4321 Door Position Switch (DPS)

Supplied with PR100 Exit Devices

- SPDT concealed switch (3 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

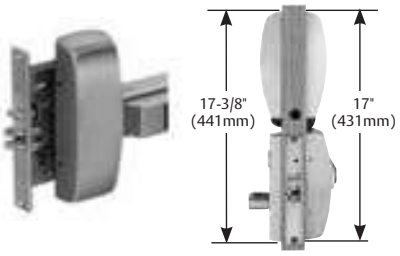
All PR100 Exit Devices feature:

- Always allows free egress
- Key outside retracts latch (8877 and 8977)
- Outside lever rigid except when valid credential presented
- Door Position Switch (DPS, P/N 52-4321) supplied

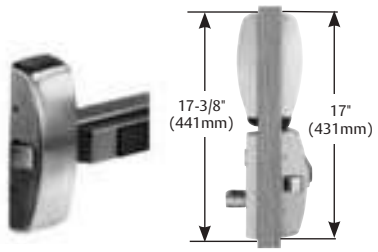
Note: The DPS is installed right above the lock and connects directly into the lock's electronics

Cylinder Override features:

- Cylinder override for 8877 is a 34 rim cylinder; for 8977 is a 46 Mortise cylinder (1-3/4" length)



N2-8900 Mortise Exit Devices



N2-8800 Rim Exit Devices

If the lock needs to have:	Mortise Lock Exit					Rim Exit			
	Then select:					Then select:			
	Series	Technology	Type	Function		Series	Technology	Type	Function
iCLASS only									
Key override	N2	IA	89	77		N2	IA	88	77
No key override	N2	IA	89	78		N2	IA	88	78
iCLASS and keypad									
Key override	N2	IK	89	77		N2	IK	88	77
No key override	N2	IK	89	78		N2	IK	88	78
Prox only									
Key override	N2	PA	89	77		N2	PA	88	77
No key override	N2	PA	89	78		N2	PA	88	78
Prox and keypad									
Key override	N2	PK	89	77		N2	PK	88	77
No key override	N2	PK	89	78		N2	PK	88	78

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80 Series Exit Devices

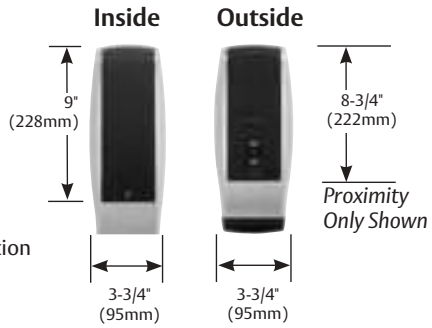
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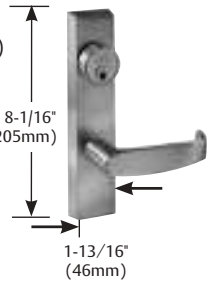
Escutcheons

- Zinc die cast
- Projection at top 1-5/8" (41mm)
- Operating temperature:
  - 125 kHz proximity products: -35° F (-37°C) to 151° F (66°C)
  - 13.56 MHz iCLASS products: -13°F (-25°C) to 151°F (66°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevent wear



Outside ET Lever Control

- Cast escutcheon
- Projection: 13/16" (21mm)
- For Rim Exit Devices:
  777-8 (cylinder hole)
  778-8 (no cylinder hole)
- For Mortise Exit Devices:
  777 (cylinder hole)
  778 (no cylinder hole)



ETL Shown

How to Order PR100 Exit Devices

Options	Series	Technology	Type	Function	Rail Size	ET Trim/Lever	Finish	Hand	Door Width
Select from pages 14-16	Select from Exit Device Function chart on previous page				E: 24 - 32" F: 33 - 36" J: 37 - 42" G: 43 - 48"	ET followed by lever designation from pages 8 & 9	Select from pages 9 & 11	RHR or LHR	If supplied, rails will be cut to size
Example:	N2-IA-8878				F	ETL	10B	RHR	36"

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Standard and Coastal Series Levers, Finishes and Handing

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PR100 products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. PR100 mortise locks and cylindrical locks are specified by the technology (IA) followed by the lever designation (e.g., PAL). PR100 exit devices are specified by the ET designation followed by the lever designation (e.g., ETP).

Standard and Coastal Levers

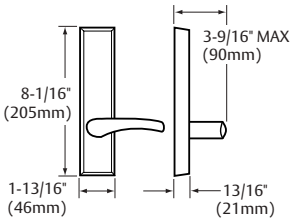
Standard Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all PR100 80 Series Exit Devices

ET Escutcheons and levers are plated brass

Stainless steel levers are available

Finishes

SARGENT offers many different finishes for PR100 products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark oxidized satin bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32∞	Bright stainless steel	629	–	–	X
32D∞	Satin stainless steel	630	–	–	X

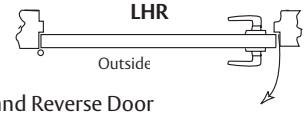
‡ ET Trim will be supplied with the requested finish, the Exit Devices will be supplied in 32 or 32D accordingly

∞ Only available with exit devices, the external trim will be supplied in 26 or 26D accordingly

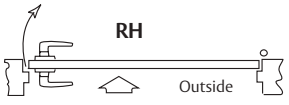
Handing



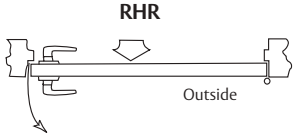
Left Hand Door



Left Hand Reverse Door



Right Hand Door



Right Hand Reverse Door

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Studio Collection Levers

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Studio Collection levers are available with 8200 Series mortise locks and 80 Series exit devices creating uniformity throughout a facility.

Aventura Series

Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF*		–	X	X
MG		–	X	X
MI		–	X	X
MW*		–	X	X

Odeon Series

MN		Yes	X	X
MH		Yes	X	X
MK		Yes	X	X
MS		Yes	X	X
MU		Yes	X	X
MV		Yes	X	X
NS*		Yes	X	X
NU*		Yes	X	X
MX*		Yes	X	X

Notting Hill Series

Lever	Design	Handed	Mortise Locks	Exit Devices
MA		Yes	X	X
MQ		Yes	X	X
MT		Yes	X	X
MM		Yes	X	X
MY*		Yes	X	X

Centro Levers

MC		–	X	X
MD		–	X	X
MJ		–	X	X
MP		–	X	X
ND*		–	X	X
NJ*		–	X	X

Rialto Series

MO		Yes	X	X
MZ*		Yes	X	X

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* Lever returns within 1/2" (13mm) of door face

Studio Collection Levers

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Gramercy Levers**				
Lever	**Design**	**Handed**	**Mortise Locks**	**Exit Devices**
RCM		–	X	X
RAL		–	X	X
REM		–	X	X
RAM		–	X	X
RAS		–	X	X
RAW		–	X	X
RAG		–	X	X
RGM		–	X	X

Wooster Square				
H001		–	X	X
H002		–	X	X
H003		–	X	X
H004		–	X	X
H005		–	X	X
H006		–	X	X

** Gramercy levers are customized. Refer to page 12 for ordering information

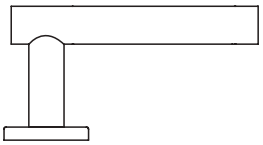
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Ordering Gramercy Series Levers

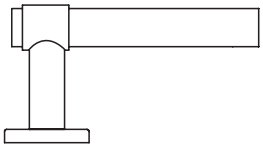
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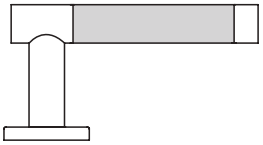
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REM, RGM



RCM



RAG, RAL, RAM, RAS, RAW

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
N/A	N/A	BH	Birch (wood insert)
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	2929 or 3030
RAL	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
RAM	Metallic Insert	2930** only
RAS	Santoprene Insert	29BK29 or 30BK30
RAW	Wood Insert	29BH29 or 30BH30
RCM	Raised Band	2929, 3030 or 2930**
REM	Plain	2929 or 3030
RGM	Two Grooves	2929 or 3030

**Two-tone finish - grip of lever is 32D, balance of lever is 32

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: PR100 Mortise Locks with Gramercy Levers

Options	Series	Function	Technology	Lever	Finish	Hand
Select from pages 16-17	N2-82	Select from page 5	IA, IK, PA or PK	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	N2-82	276	IA	RAL	29BN29	RH

In this example the lock finish will be 32/629.

How to Order: PR100 Series Exit Devices with Gramercy Levers

Options	Series	Technology	Type	Functions	Rail Size	Trim & Lever	Finish	Hand	Inside Finish	Door Width
Select from pages 16-17	Select from Exit Device Function chart from page 7				E, F, J or G	Leather insert	Bright stainless steel with brown leather	RHR or LHR	Select from page 9	If supplied, rails will be cut to size
10-	N2-	IA	89	77	F	ET RAL	29BN29	RHR	32D	36"

In this example the ET escutcheon is plated to match in a bright finish.

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Aperio® Hub

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The PR100 lock uses short distance wireless transmission (IEEE 802.15.4, 2.4 GHz) to communicate with an Aperio hub, which is connected to an access control system via IP, RS-485 or Wiegand wiring. The lock and hub can easily be configured in the field using the Aperio configuration kit and a laptop or netbook with Windows XP or Windows 7, Java 6.2 or greater, and a USB 2.0 port.

Specifications

- Wireless Communication: IEEE 802.15.4 (2.4 GHz)
- Wireless Range: 50 feet (depending on installed environment)
- EAC Communication: IP, RS-485 or Wiegand wiring
- Power: 8 – 24VDC
- Security: AES 128 encryption
- Operating Temperature: 41°F (5 °C) to 95°F (35 °C)
- Humidity: < 95% maximum (non-condensing)

Ordering Aperio Hubs

	Series	Hardware Version	Hardware Configuration	Configuration Code*
	AH	20: v2.0 Wiegand hub; 30: v3.0 RS-485 hub; 40: IP hub	W14: Wiegand 1:1; R12: RS-485; IN2: IP	NNNN
Example:	AH	30	R12	NNNN

*NNNN is the standard configuration code for Aperio hubs. Access Control Partners should contact 800-810-WIRE for specific ordering information.

MERCURY Powered

The Aperio hub is available in a Mercury version for completely seamless integration into Mercury-based access control systems. Please contact your Mercury-based access control provider for ordering information.

GENUINE HID

The Aperio hub is also available in a VertX configuration for seamless integration with HID® VertX™-based access control systems. The Aperio VertX hub connects to the access control system using RS-485 wiring and supports up to two locks per hub.

Aperio Hub Accessories

EXT-10-ANT

Aperio External Antenna

Aperio hubs are certified for use with the ASSA ABLOY external (omnidirectional) antenna EXT-10-ANT. The external antenna may be used to obtain more even radio coverage (in the form of a doughnut) around the hub. Please note that the antenna does not extend the maximum range of the Aperio hub.

Specifications:

- For indoor use only
- Operational temperature: 32°F (0 °C) to 113°F (45 °C)
- Humidity: 95% maximum (non-condensing)

Aperio Configuration Kits

Aperio offers the flexibility to make field configurations easily and without any special equipment. Configuration adjustments can be made to the Aperio hub using the Aperio manager tool and Aperio USB programming dongle from a Windows netbook or laptop with an available USB port.

Contains:

- Aperio USB programming dongle
- Aperio management software and drivers

Requirements for Operation:

- Laptop or Netbook with:
  – Windows XP/Windows 7
  – Java 6.2 or greater
  –USB 2.0 port

APA-10-PC

Aperio PAP (Programming Application) Tool Kit

- APA Tool USB Flash Drive
  – Aperio APA Tool Software and License Files
  – Aperio Instructions (electronic files)
- Tritech Tribee USB Radio Dongle (APD-10-USB)
- HID iCLASS/Prox Card

APD-10-USB

Aperio Configuration USB Dongle

- Tritech Tribee USB Radio Dongle
- Included in APA-10-PC Kit

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Accessories and Replacement Parts

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52-2593 Protective Shroud



- Provides weather protection for outside escutcheon
- Cover and hinge molded of tough polycarbonate
- Stainless steel torsion spring maintains cover in closed position
- Easily lifts for access to keypad
- Comes with mounting hardware and gasket
- Fast, easy installation
- Order separately

52-2847 Conduit



- Provides weather protection inside of door
- Constructed of durable ABS material
- For non-fire rated exterior applications only
- Included with product

Weatherseal Gasketing

- Provides sealing between outside escutcheon and door for exterior applications
- Gasketing (included) recommended for non-fire rated exterior applications

82-0500



For use with 8200 Mortise Escutcheon

68-1400



For use with 8800 or 8900 Exit Escutcheon

52-0263



For use with ET Trim

10-0469



For use with 10G77 Bored Escutcheon

Electronics Assembly (controller and reader)



+



52-4321 Door Position Switch (DPS)

Supplied with PR100 cylindrical locks and exit devices

- SPDT concealed switch (3 wire)
- Metal Door adapter included
- 3/8" Diameter for wood door
- 3/4" Diameter for metal door



PR100 Replacement Part Numbers

				Prox Only	Prox and Keypad	iCLASS® Only	iCLASS and Keypad
Assembly	**Products**	**Function**	**Function Description**	**N2-PA**	**N2-PK**	**N2-IA**	**N2-IK**
Controller and reader	Mortise lock	82276	Key override and deadbolt	52-5319	52-5322	52-5291	52-5316
		82277	Deadbolt and no key override	52-5340	52-5343	52-5334	52-5337
		82278	Key override and no deadbolt	52-5341	52-5344	52-5335	52-5338
		82279	No deadbolt and no key override	52-5342	52-5345	52-5336	52-5339
	Cylindrical lock	10G77	Key override	52-5318	52-5321	52-5292	52-5315
	Exit device	8877	Key override (rim)	52-5320	52-5323	52-5293	52-5317
		8878	No key override (rim)	52-5352	52-5355	52-5346	52-5349
		8977	Key override (mortise)	52-5353	52-5356	52-5347	52-5350
		8978	No key override (mortise)	52-5354	52-5357	52-5348	52-5351

- Assemblies include circuit board and housing
- Interconnect harness included
- Batteries not included
- Reader and secure-side electronics not available separately

*FCC approved

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Mechanical Options and Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	**16-**	Cylinder lockdown (non-fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 line only)
	OBS-	Open Back Strike (for 82278 & 82279 only)
	WBS-	Wrought Box Strike (Not available for 8800 series)
10 Line Backset Options	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front (10 Line only)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 Line only)
Flush End cap	**43-**	Flush End Cap (exit devices only)
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Strip on Inside Push Rail and Coating on Outside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Only available with 15, 26D, and 32D finishes)

Shipping Information

Lock	Shipping Weight	Pc. Count/Carton
N2-82276 (key override and deadbolt)	11.2 lbs (5.1kg)	1/carton
N2-82277 (deadbolt and no key override)	10.7 lbs (4.9kg)	1/carton
N2-82278 (key override and no deadbolt)	11.2 lbs (5.1kg)	1/carton
N2-82279 (no deadbolt and no key override)	10.7 lbs (4.9kg)	1/carton
N2-8877	21.0 lbs (9.5kg)	1/carton
N2-8977	23.0 lbs (10.4kg)	1/carton
N2-10G77	10.7 lbs (4.9kg)	1/carton
N2-8878	21.0 lbs (9.5kg)	1/carton
N2-8978	23.0 lbs (10.4kg)	1/carton

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Conventional Cylinder	**—**	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable Plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, Plastic Disposable Core Provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent Core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose) (10 Line J lever not available)

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Cylinder Options

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 line J lever not available)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed loose for field keying) (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed loose for field keying) (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

Note: For V-10 Cylinders and information, contact ASSA, Inc. @ 800-235-7482

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Windstorm Certifications: UL Listed and Florida Building Codes

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SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

N2-10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

N2-8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

N2-HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- N2-HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

N2-WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- N2-WS8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

N2-WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- N2-WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2002
- ASTM E1996-2002
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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Architectural Specifications

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Aperio™ Wireless Access Control



Cylindrical Locks

PR100 10 Line Series Cylindrical Locksets

1. Wireless Access Control Cylindrical Locks to be 10-Line Series as manufactured by SARGENT Manufacturing of New Haven, CT.

2. BHMA certified extra heavy duty, lever type cylindrical lock conforming to ANSI 156.2 Series 4000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 1/2" anti-friction deadlocking latch, UL listed and labeled for up to 3 hour fire rated openings.

a. Backset: 2-3/4", 3-3/34", and 5".

3. Provide access control cylindrical lock series, type, function, and design where specified in hardware groups, with provisions below:

a. Cylinders: Refer to "KEYING" specification section for keying system requirements.

4. Wireless access control cylindrical locks interface using local wireless connection between the lock and a nearby communications hub connecting via IP, RS-485 or Wiegand wiring to a new or existing online electronic access control system platform.

5. Provide keypad/proximity (N2-PK), proximity only (N2-PA), keypad/iCLASS (N2-IK), and iCLASS only (N2-IA) locks.

6. Fully-encrypted AES 128 wireless communication between PR100 lock and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Locks will operate independent of wireless connection slowdown or failure.

7. Integrated reader supports HID® 125 kHz proximity or 13.56 MHz iCLASS® (full authentication, all formats) contactless credentials.

8. Provide Lock Installation Tool and USB Radio Dongle for initial lock set-up and configuration.

9. Monitoring: Real time access control system accessible monitoring of inside lever handle (Request-to-Exit), external Door Position Switch (door open/closed status), battery and tamper.

10. Emergency override access capability with optional mechanical key cylinder retraction of lock latch bolt without necessary electronic activation.

11. Inside lever retracts latch bolt for free egress.

12. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions.

13. Electronic access control system platform, including communication cabling and software, by others.

Aperio Wireless Access Control



Mortise Locks

PR100 8200 Series Mortise Locksets

1. Wireless Access Control Mortise Locks to be 8200 Series as manufactured by SARGENT Manufacturing of New Haven, CT.

2. BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI 156.13 Series 1000, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle trim (solenoids not acceptable) with 3/4" anti-friction deadlocking latch and 1" case-hardened steel deadbolt. UL listed and labeled for up to 3 hour fire rated openings.

3. Provide access control mortise lock series, type, function, and design where specified in hardware groups, with provisions below:

a. Cylinders: Refer to "KEYING" specification section for keying system requirements.

4. Wireless access control mortise locks interface using local wireless connection between the lock and a nearby communications hub connecting via IP, RS-485 or Wiegand wiring to a new or existing online electronic access control system platform.

5. Provide keypad/proximity (N2-PK), proximity only (N2-PA), keypad/iCLASS (N2-IK), and iCLASS only (N2-IA) locks.

6. Fully-encrypted AES 128 wireless communication between PR100 lock and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Locks will operate independent of wireless connection slowdown or failure.

7. Integrated reader supports HID® 125 kHz proximity or 13.56 MHz iCLASS® (full authentication, all formats) contactless credentials.

8. Provide Lock Installation Tool and USB Radio Dongle for initial lock set-up and configuration.

9. Monitoring: Real time access control system accessible monitoring of inside lever handle (Request-to-Exit), deadbolt, door position switch (door open/closed status), battery, and tamper.

10. Emergency override access capability with optional mechanical key cylinder retraction of lock latch bolt without necessary electronic activation.

11. Inside lever retracts latch and deadbolt simultaneously for free egress.

12. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions.

13. Electronic access control system platform, including communication cabling and software, by others.

Aperio Wireless Access Control



Rim and Mortise Exit Devices

PR100 8800/8900 Series Rim and Mortise Exit Devices

1. Wireless Access Control Rim and Mortise Exit Devices to be 80 Series as manufactured by SARGENT Manufacturing of New Haven, CT.

2. BHMA certified panic and exit device hardware conforming to ANSI 156.3, Grade 1 standard and ANSI A117.1 accessibility guidelines. Motorized locking control of lever handle (solenoids not acceptable) contained completely within the body of the outside trim control. U.L. listed and labeled for either panic or "Fire Exit Hardware" for use on up to 3 hour fire rated openings.

3. Provide access control exit device series, type, function, and design where specified in hardware groups, with provisions below:

a. Cylinders: Refer to "KEYING" specification section for keying system requirements. Provide cylinders for exit devices with cylinder override and cylinder dogging features.

4. Wireless access control exit devices interface using local wireless connection between the device operating trim and a nearby communications hub connecting via IP, RS-485 or Wiegand wiring to a new or existing online electronic access control system platform.

5. Provide keypad/proximity (N2-PK), proximity only (N2-PA), keypad/iCLASS (N2-IK), and iCLASS only (N2-IA) locks.

6. Fully-encrypted AES 128 wireless communication between PR100 exit device operating trim and communication hub (IEEE 802.15.4, 2.4 GHz) with no proprietary programming device requirements. Exit device trim will operate independent of wireless connection slowdown or failure.

7. Integrated reader supports HID® 125 kHz proximity or 13.56 MHz iCLASS® (full authentication, all formats) contactless credentials.

8. Provide Lock Installation Tool and USB Radio Dongle for initial lock set-up and configuration.

9. Monitoring: Real time access control system accessible monitoring of inside push bar (Request-to-Exit), external door position switch (door open/closed status), battery, and tamper.

10. Emergency override access capability with optional mechanical key cylinder retraction of lock latch bolt without necessary electronic activation.

11. Provide keyed cylinder dogging feature for non-rated panic devices and keyed removable mullions as specified in the Hardware Groups.

12. Exit device operating trim to be weather resistant via installation of shroud (optional), conduit and gaskets.

13. 6 AA alkaline batteries power supply with LED indication of locked, programming mode and low capacity warning status conditions.

14. Electronic access control system platform, including communication cabling and software, by others.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

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Profile Series v.G1.5

Stand Alone Access Control Products



Experience a safer and more open world

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Profile Series v.G1.5

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MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
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MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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On the Cover

G1.5-8277 PKL x LH Mortise Lock

Overview and Features

Profile Series v.G1.5

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Overview

The Profile Series v.G1.5 are standalone access control products that offer a broad selection of technologies and programming features combined with ANSI/BHMA Grade 1 mechanical locks. Many variations of the product, from the G1-LU series, which offers keypad only, to the full-featured G1-TP Series, which includes keypad, proximity and RF technology, are available. The locks are programmed via infrared data transfer and/or keypad, and all units utilize a battery-powered microprocessor-based controller with non-volatile memory to preserve user codes.

Available in 8200 Series mortise lock, 10 Line cylindrical lock and 80 Series rim and mortise exit device configurations, these locking devices are UL Listed for use on fire doors*. All products with the keypad feature offer access codes which may vary from 1 to 6 digits and utilize a master code for keypad programming. Various locking modes allow the operation of the lock to be tailored to each opening and individual user, such as panic, adjustable momentary unlock and passage.

- **G1.5-LU** (keypad only) configuration of stand-alone access control products are ideal for dormitories, assisted living facilities, hospitals, retailers, apartments and office complexes. Programming is accomplished through the keypad for most basic functions or via SoloPlus application software.
- **G1.5-PK** (proximity/keypad) version of stand-alone access control products offers the highest level of security and flexibility. These products can be programmed via keypad or SoloPlus requiring both a code (1-6 digits) and proximity card/fob/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.
- **G1.5-PA** (proximity only) configuration of access control provides a higher level of security. All programming must be handled through the SoloPlus application software. This configuration is ideal for high traffic applications where keypad usage is not desirable: universities, laboratories or hospitals. A "master" CommEnable proximity card or fob is required to initiate programming of the lock.
- **G1.5-TU** (keypad and RF technology) series of access control offer the convenience of the keypad along with the RF technology which allows for remote unlocking and locking of the unit. This configuration is ideal where security is a concern (offices and medical clinics).
- **G1.5-TP** (keypad, proximity and RF technology) series of access control offers all three technologies allowing the lock to be programmed to respond to any of the technologies as needed.
- **G1.5-TA** (proximity and RF technology) series offers the additional security of eliminating the keypad with the convenience of remote unlocking and locking through the RF technology.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Standard Features

- 2000 users per lock
- 2000 event audit trail
- Powered by 6 AA batteries
  - Low battery indication – four chirps after code entry
  - Estimated battery life for non-RF models is 75,000 cycles
  - Estimated battery life for RF models is 4-1/2 mos.
- Supports Remote unlocking
- UL Listed for Fire Doors
- Adjustable unlock time from 1 - 99 seconds
- Locks with keypads support 1 - 6 digit codes
- Moisture resistant coating on electronics
- Entry of three wrong user codes in succession disables all codes for ten seconds (selectable)
- UL Listed to Canadian safety standards
- Forced and propped door option
- Weather seal gasket, conduit and shroud recommended for use on exterior doors (optional, order separately)
- Remote power and request to enter available – requires wire harness (52-3010) and hard wiring

Entry Code Features

- One master code – forced master code from factory default assigns emergency, supervisory and user codes and allows entry when deadbolt is thrown (mortise locks)
  - Multiple supervisory codes – allow temporary lockout of selected users, change unlock time duration, request infrared interrogation output and add user codes
  - Multiple emergency codes – allows entry when dead bolt is thrown (mortise locks). Unlocks after the low battery indication period has passed and user codes no longer operate lock
  - Temporary codes by number of uses (1-500), start-and-stop dates or total days after first use (24 hour specific)
  - Maintained (passage) code – unlocks for extended periods of time

Keypad Features

- LEDs on unit indicate status – green indicates unlocked; yellow indicates programming mode

Proximity Features

- Supports all HID 125 KHz bit formats by Keypad Presentation or when using proximity enrollment station ES-G1 with SoloPlus software
- Supports 26, 34, & SARGENT 1000 (35 bit) HID formats with SofLink Plus™ version 4.0 or higher, and SoloPlus software programming

Clock/Time Features

- Real time clock with date & time
- Up to 8 time zones per lock
- Supports holidays (16 single & 16 blocked)
- Supports Daylight Savings Time

RF Technology Features

- UL and cUL Listed for fire doors
- Typical operating distance of 35 to 75 feet on inside of door; 10 to 25 feet on outside of door*
- Multiple RF Fobs may be programmed into a single lock
- LED indicator on inside escutcheon shows when RF lock is actuated
- Primary modes of RF Technology: Passage, Unlock/Relock and Panic

*Operating distance may vary depending on building construction

NOTES

- v.G1.5 controllers replace v.G1 controllers. Product is still ordered as G1- option. Controllers are labelled "G1.5"
- v.G1.5 controllers will work with SofLink Plus software versions 3.0 and above, and SoloPlus software, as well as provide additional keypad programming features.

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Profile LK Series (100 Users)

Stand Alone Access Control Products

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Overview

The Profile LK Series are available with 8200 Series Mortise Locks, 10 Line Cylindrical Locks and 80 Series Rim and Mortise Exit Devices. Available functions are the same as the v.G1.5 as listed in the Options chart.

The Profile "LK" stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor-based technology with non-volatile solid state memory ensures that codes will not be lost even if batteries stop functioning. The controller retains a total of 100 different user codes varying in length from one to six digits. All programming is done through the keypad.

Features

- Estimated Battery Life: 75,000 cycles
- Requires 6 AA batteries; hard wiring available
- Lock holds 100 users and 1000 event audit trail, downloadable through DTD and SoloPlus
- Supports Master, Emergency, Supervisory and One-Time User codes
- Adjustable unlock time from 1 - 99 seconds
- Supports remote unlocking
- For Windstorm Certifications, see page 19

Ordering Profile LK Cylindrical Locks

Options	Type	Function	Technology	Lever	Finish	Hand
Select from pages 16-18	10	G77	LK	Select from page 8		RHR, LHR, RH or LH
Example:	**10G77**		**LK**	**L**	**26D**	**RH**

Ordering Profile LK Mortise Locks

Options	Type	Function	Technology	Lever	Finish	Hand
Select from pages 16-18	82	Select from functions on page 6	LK	Select from page 8-10		RHR, LHR, RH or LH
Example:	**8276**		**LK**	**L***	**26D**	**LH**

Ordering Profile LK Exit Devices

Options	Technology	Series & Type	Function	Rail Size	Trim/Lever	Hand	Finish	Door Width
Select from pages 16-18	LK	88-Rim 89-Mortise	Select from functions on page 7	E: 24-32"; F: 33-36"; J: 37-42"; G:43-48"	ET followed by lever designation from page 8-10	RHR or LHR	Select from page 8	Door Width If supplied, rails will be cut to size
Example:	**LK**	**8877**		**E**	**ETL***	**LHR**	**26D**	**32"**

* For Gramercy Levers refer to page 17 on how to order

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10 Line Cylindrical Locks

Profile Series v.G1.5

SARGENT
ASSA ABLOY

The Profile Series v.G1.5 10 Line cylindrical lock is available with a wide selection of lever designs and hardware finishes. These motorized locks include cylinder override standard.

Profile Series v.G1.5 locks offer unique functionality that is ideal for classroom applications. Providing easy everyday access to the classroom using a PIN code or prox card, the G1.5 also provides the ability to lock the door quickly with an RF fob from almost anywhere inside the room.

Mechanical Features

- ANSI/BHMA A156.2 Grade 1 cylindrical lock
- For Windstorm Certifications, see page 20
- Motor-driven cylindrical lock
- Latch brass, 1/2" (13mm) throw; UL Listed 3/4" (19mm) throw (41- option) available
- 2-3/4" (70mm) backset standard. Consult factory for other available backsets
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handed (field-changeable)
- Heavy duty lever spring return
- Steel mounting studs
- 3 through-bolt position combinations
- Operates with 6 "AA" alkaline batteries (included)
- Not available with 81-, 83-, F1-83-, 84- options

v.G1.5 Cylindrical Lockset



- Latch retracted by inside lever at all times
- Key outside retracts latch
- Outside lever rigid except when in "passage" mode or valid user code entered

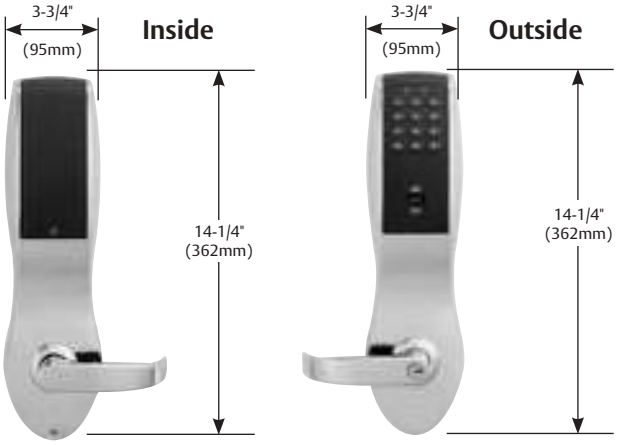
Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
Prox and keypad				
Cylinder override	G1	10	G77	PK or TP*
Prox only				
Cylinder override	G1	10	G77	PA or TA*
Keypad only				
Cylinder override	G1	10	G77	LU or TU*

*Supports RF technology

Escutcheons

- Zinc die cast
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



Ordering Profile Cylindrical Locks

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 16-18	Select from G1.5 Cylindrical Lock Function chart above			PK, PA, LU, TP, TA or TU	Select lever and finish from page 8		RHR, LHR, RH or LH
Example:	**G1-10G77**			PK	**G**	**03**	**RH**

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8200 Series Mortise Locks

Profile Series v.G1.5

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ASSA ABLOY

The Profile Series v.G1.5 8200 motorized mortise lock has a clean, crisp design and is available with many lever designs and hardware finishes. Profile Series v.G1.5 mortise locks feature Ecoflex™ technology for improved battery life.

The Profile Series v.G1.5 mortise locks offer unique functionality that is ideal for classroom applications. Providing easy everyday access to the classroom using a PIN code or prox card, the G1.5 also provides the ability to lock the door quickly with an RF fob from almost anywhere inside the room.

Mechanical Features

- ANSI/BHMA A156.13 Grade 1 mortise lock
- For Windstorm Certifications, see page 20
- Motor driven mortise lock
- 3/4" stainless steel, anti-friction reversible latch
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Stainless steel non-handed deadlocking latch
- Handed, easily field reversible without opening lockbody
- Lever trim through-bolted for increased security and durability
- Operates with 6 "AA" batteries (included)
- Not available with SC- & SE- options

Profile Series v.G1.5 Mortise Lock Functions

All v.G1.5 Mortise Functions feature:

- Trim outside rigid except when in "passage " mode or with valid user credential
- Trim inside always retracts latch and deadbolt
- Guardbolt deadlocks latch

Cylinder Override Function Features:

- Key outside retracts latch and deadbolt when trim is locked electronically
- Cylinder override requires 1-3/8" cylinder (Size 43) standard for conventional and interchangeable core cylinders

Deadbolt Function Features:

- When deadbolt thrown, outside lever operable only with Emergency or Master code
- 1" hardened stainless steel deadbolt

Mortise Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
Prox and keypad				
Cylinder override and deadbolt	G1	82	76	PK or TP*
Cylinder override and no deadbolt	G1	82	78	PK or TP*
Deadbolt and no cylinder override	G1	82	77	PK or TP*
No deadbolt and no cylinder override	G1	82	79	PK or TP*
Prox only				
Cylinder override and deadbolt	G1	82	76	PA or TA*
Cylinder override and no deadbolt	G1	82	78	PA or TA*
Deadbolt and no cylinder override	G1	82	77	PA or TA*
No deadbolt and no cylinder override	G1	82	79	PA or TA*
Keypad only				
Cylinder override and deadbolt	G1	82	76	LU or TU*
Cylinder override and no deadbolt	G1	82	78	LU or TU*
Deadbolt and no cylinder override	G1	82	77	LU or TU*
No deadbolt and no cylinder override	G1	82	79	LU or TU*

* Supports RF technology

Inside/Outside Escutcheon

- Keys/buttons with double shot mold construction prevents wear
- Zinc die cast
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Projection at bottom 5/16" (8mm) less lever
- Projection at top 1-5/8" (41mm)



82243 Dorm Room Anti-Lock with Deadbolt and inside lever switch

Note: Same as 8276 with these variations



- Dorm room application for students using proximity cards
- Prevents students from locking themselves out of dorm rooms
- Only available with v.G1.5 Technology
- Requires controller to be configured for Dorm Room application at factory
- Available with PK and PA versions

Ordering Profile Cylindrical Locks

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 16-18	Select from G1.5 Mortise Lock Function chart above			PK, PA, LU, TP, TA or TU	Select lever and finish from pages 8-10		RHR, LHR, RH or LH
Example:	**G1-8276**			PK	**MH***	**03**	**RH**

* For Gramercy Levers refer to page 8 on how to order

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80 Series Exit Devices

Profile Series v.G1.5

SARGENT ASSA ABLOY

The Profile Series v.G1.5 80 Series rim and mortise exit devices provide access control in areas where life safety is a concern, including stairwell areas or tenant occupied facilities where stand alone access control is required. The Profile Series v.G1.5 exit devices are available with many lever design styles and hardware finishes.

Profile Series v.G1.5 locks offer unique functionality that is ideal for classroom applications. Providing easy everyday access to the classroom using a PIN code or prox card, the G1.5 also provides the ability to lock the door quickly with an RF fob from almost anywhere inside the room.

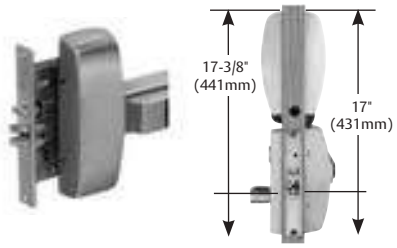
Mechanical Features

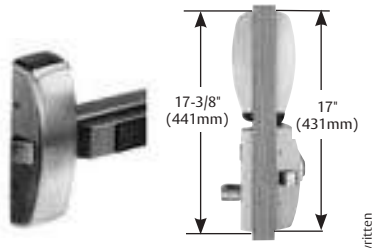
- ANSI/BHMA A156.3 Grade 1 Exit Devices
- For Windstorm Certifications, see page 20
- Motor-driven ET trim
- Latch 3/4" (19mm) throw (stainless steel 8800, anti-friction brass 8900)
- For 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- Operates with 6 "AA" alkaline batteries (included)
- Cylinder override uses 34 rim cylinder, 8877; 46 mortise cylinder (1-3/4" [44mm] length of shell), 8977
- No cylinder override for 8878 and 8978
- 8977 not available with SC- & SE- options

Exit Device Lock Functions

All G1.5 Exit Devices feature:

- Always allows free egress
- Key outside retracts latch (8877 and 8977)
- Outside lever rigid except when in passage mode or valid user credential entered



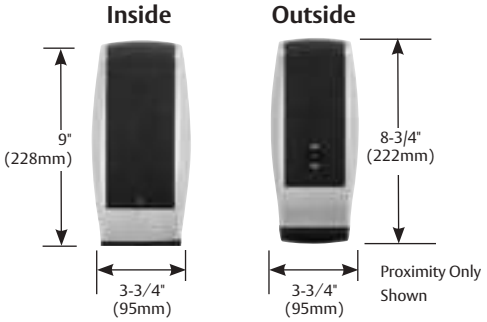


If the lock needs to have:	Mortise Exit Then select:				Rim Exit Then select:			
	Series	Technology	Type	Function	Series	Technology	Type	Function
Prox and keypad								
Cylinder override	G1	PK or TP*	89	77	G1	PK or TP*	88	77
No Cylinder override	G1	PK or TP*	89	78	G1	PK or TP*	88	78
Prox only								
Cylinder override	G1	PA or TA*	89	77	G1	PA or TA*	88	77
No Cylinder override	G1	PA or TA*	89	78	G1	PA or TA*	88	78
Keypad only								
Cylinder override	G1	LU or TU*	89	77	G1	LU or TU*	88	77
No Cylinder override	G1	LU or TU*	89	78	G1	LU or TU*	88	78

* Supports RF technology

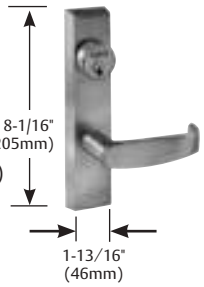
Escutcheons

- Zinc die cast
- Projection at top 1-5/8" (41mm)
- Operating temperature – 40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



Outside ET Lever Control

- Cast escutcheon
- Projection 13/16" (21mm)
- For Rim Exit Devices:
  777-8 (cylinder hole)
  778-8 (no cylinder hole)
- For Mortise Exit Devices:
  777 (cylinder hole)
  778 (no cylinder hole)



ETL Shown

Ordering 80 Series Exit Devices

Options	Series	Technology	Type	Function	Rail Size	Trim/Lever	Hand	Finish	Door Width
Select from page 16-18	Select from G1.5 Exit Device Function chart above				E: 24 - 32"; F: 33 - 36"; J: 37 - 42"; G: 43 - 48"	ET followed by lever designation from page 8-10	RHR or LHR	Select from page 8	If supplied, rails will be cut to size
Example:	**G1-LU-8878**				**E**	**ETL***	**RHR**	**03**	**32"**

* For Gramercy Levers refer to page 10 on how to order

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Standard and Coastal Levers and Finishes

Profile Series v.G1.5

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Profile Series v.G1.5 products are available with lever designs identical to levers offered on mechanical hardware to introduce uniformity throughout a facility. Lever projection from door surface varies with lock type.

Note: Exit devices are only available with ET Trim.

Standard and Coastal Levers

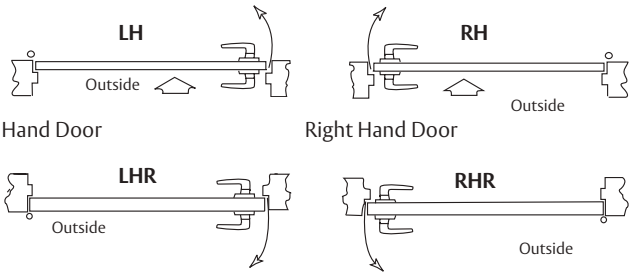
Standard Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Coastal Levers

Lever	Design	Handed	Mortise	Cyl.	Exit
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Handing



Left Hand Door

Right Hand Door

Left Hand Reverse Door

Right Hand Reverse Door

Finishes

SARGENT offers many different finishes for Profile Series products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cyl.	Exit
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil robbed	613	X	X	X
10BE	Dark Oxidized Satin Bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	614	X	X	X
14*	Bright nickel, clear coated	618	X	X	X
15*	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	624	X	X	X
26*	Bright chrome	625	X	X	X
26D*	Satin chrome	626	X	X	X
32	Bright stainless steel	629	X	–	X
32D	Satin stainless steel	630	X	–	X

* With Exit Devices: 14, 15, 26 & 26D Finishes are available on external trims only, the exit devices will be supplied in 32 or 32D accordingly. When 32 or 32D is specified, the trim will be supplied in 26 or 26D accordingly.

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Studio Collection Levers

Profile Series v.G1.5

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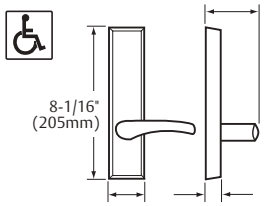
Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

Aventura Series				
Lever	**Design**	**Handed**	**Mortise Locks**	**Exit Devices**
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X
Odeon Series				
MN[2,3]		Yes	X	X
MH[3]		Yes	X	X
MK[2,3]		Yes	X	X
MS[3]		Yes	X	X
MU[3]		Yes	X	X
MV[3]		Yes	X	X
NS[1,3]		Yes	X	X
NU[1,3]		Yes	X	X
MX[1,3]		Yes	X	X

1. Lever returns within 1/2" (13mm) of door face
2. Gramercy levers are customized. Refer to page 10 for ordering information.
3. Not available in 32D or 32 finish

Notting Hill Series				
Lever	**Design**	**Handed**	**Mortise Locks**	**Exit Devices**
MQ[3]		Yes	X	X
MT[2,3]		Yes	X	X
MM[3]		Yes	X	X
MY[1,3]		Yes	X	X
Rialto Series				
MO[3]		Yes	X	X
MZ[1,3]		Yes	X	X
Centro Levers				
MD		–	X	X
MJ		–	X	X
MP[2,3]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X
Gramercy Levers**				
RCM[2]		–	X	X
RAL[2]		–	X	X
REM[2]		–	X	X
RAM[2]		–	X	X
RAS[2]		–	X	X
RAG[2]		–	X	X
RGM[2]		–	X	X

ET Lever Controls for Exit Devices



The 700 Series ET and Lever Control is the external trim with all Profile 80 Series exit devices

ET Escutcheons and levers are plated brass

Stainless steel levers are available

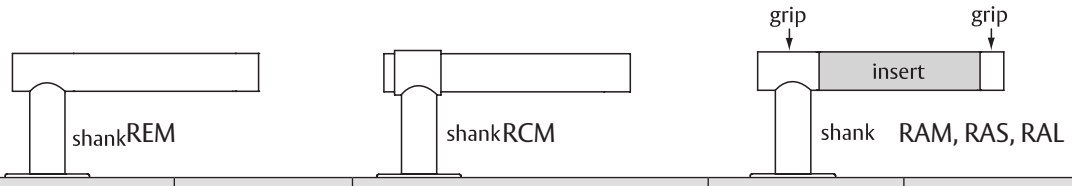
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Ordering Gramercy Series Levers and Rose Designs

Profile Series v.G1.5

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Elements of Gramercy Series Levers



Lever	Part Number	Shank Finish*	Insert	Grip Finish
Plain†	**REM**	Polish Stainless (629) or Satin Stainless (630)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Raised Band	**RCM**	Polished Stainless (629)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Metallic Insert	**RAM**	Polished Stainless (629)	Satin Stainless (630)	Polished Stainless (629)
With Santoprenne Insert†	**RAS**	Polished Stainless (629) or Satin Stainless (630)	Black (BK)	Polish Stainless (629) or Satin Stainless (630)
With Leather Insert†	**RAL**	Polished Stainless (629) or Satin Stainless (630)	Black (BK) or Brown (BN)	Polish Stainless (629) or Satin Stainless (630)

* Rose and escutcheon finish is designated by shank finish selected
† Grip finish must match shank finish

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

G1-8200 Series Mortise Lock Examples

Options	Series	Function	Technology	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand
select from pages 16-18	**G1-82**	select from page 6	PK, PA, LU, TP, TA or TU	Leather insert	polished or satin stainless	Black or Brown	polished or satin stainless	RHR, RH, LHR, or LH
10-	G1-82	76	LU	RAL	29	BN	29	RH

80 Series Exit Device Example – Available with ET escutcheon

Options	Series	Technology	Type	Functions	Rail Size	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width
select from pages 16-18	Select from G1.5 Exit Device Function chart from page 7				E, F, J & G	Leather insert	polished or satin stainless	select from page 8	polished or satin stainless	RHR, RH, LHR, or LH	select from page 8	
10-	G1-	PK	89	77	F	RAL	29	BN	29	RH	14	36"

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SoloPlus™ Access Control Management Software

Profile Series v.G1.5

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SoloPlus Access Control Management System

The ASSA ABLOY SoloPlus Access Control Management Software allows simple programming and interrogation of the Profile Series v.G1.5 access control products. This software provides the means for fast, convenient assignment of access levels, doors, users, time zones and management of multiple doors with full audit trail capability. Communication between the computer and lock controller is accomplished using either a Data Transfer Device (DTD) or compatible PDA, and allows quick and efficient program transfer and audit trail retrieval.

SoloPlus Features



- Password protected
- Supports 2,000 users per lock
- 20,000 user name database
- 2,000 event transaction history – audit trail to include user entry, date, time, user number, access denied, passage on, passage off, auto unlock, time zone denied, print, audit trail release, program mode, program mode denied, etc.
- Master code entry at keypad or presentation of "Master" or "CommEnable" proximity credential at lock initiates PC download programming
- User friendly help feature
- Extensive report generating feature
- Directly supports 26, 34, 35 Corporate 1000, and 37 (no site code) bit HID 125 kHz formats or all formats up to 40 bit through use of the enrollment station (ES-G1)
- Designed for operation with Personal Digital Assistant (PDA) running Palm OS® or DTD
- PDA/DTD provides convenient, infrared means of transferring information to and from lock using SoloPlus software
- Capable of up/down loading door information for up to 250 doors when using DTD. Door capacity for a PDA is determined by the available internal memory of the PDA.
- Access the database(s) from multiple PC locations
- Auto Backup prompts
- "User-Friendly" System Setup Task List Guide
- Enable/Disable/Retire user capability
- Auto Unlock with or without "first in" authorization
- First-in Auto-Unlock by specified users*
- User name import from an external database
- Forced/Propped Door log events - harness required (option)

*v.G1.5 controller also required

DTD Data Transfer Device



- Use to download audit trails from v.G1.5 or LK to PC
- Includes SoloPlus™ software

System Requirements

- Data Transfer Device (DTD) or Personal Digital Assistant (PDA)* - See chart for compatible PDA models
- USB Port
- Operating System:
  Windows XP (Home, Professional)
  Windows Vista (Home Premium, Business)
  Windows 7 (Home Premium, Professional)
  Windows Server (2003, 2008)
- VGA monitor
- CD ROM drive
- Instruction Manual included on CD

* DTD required for Windows Vista and later.

Compatible PDAs

PDA Manufacturer	Model Number
Aceeca	Meazura
Handspring	Visor
Kyocera	7135 Smart Phone
Palm	IIIc, IIIx, IIIxe, m105, m125, m130, m500, m505, 515, V, Vx, VIIx, Tungsten C, Tungsten E, Tungsten E2, Tungsten T, Tungsten W, TX, Zire, Zire 21, Zire 31, Zire 71, Zire 72
Sony	Clie SJ20

Consult factory for other compatible models.

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Access Credentials

Profile Series v.G1.5

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Below are 125 kHz proximity credentials offered by SARGENT. Other 125 kHz proximity credentials can be purchased from HID.

Credential Features

- 26 bit Wiegand format available (consult factory for additional formats)
- HID-based proximity cards, fobs or tags
- Allows integration into existing facilities with HID-based technology
- SARGENT standard credentials are 26 Bit Wiegand format, Site Code and Proximity ID assigned by SARGENT
- Custom credentials available with customer assigned ID#'s, Facility Code, etc. Consult Factory

Product #	Features	Image
PCH-P30 PCH-P30-C *Custom - Consult Factory	ISOProx® II Card • Site Code and Proximity ID#'s determined and Controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm) • Thickness: .031" nom. (0.84mm) • Blank Cards can be printed on by others • Cards ordered individually*** (Min. Order is 25 Cards)	

MicroProx® Tag Transponders

The MicroProx Tag is a coin-sized (disk-shaped) transponder that provides the ability to add HID proximity technology to a device. The MicroProx Tag has an adhesive backing which allows it to be secured to any non-metallic object.

- Easily Secured To: Employee badges, PDAs, Magnetic stripe cards, Cell phones
- 26 Bit Format, HID Coded Wiegand Output 125kHz
- Gray color with HID Logo
- Proximity ID# marked on each Tag
- Dimensions: 1.285" Dia. x 0.070" (32.6mm x 1.78mm)



MPT	- Site Code and Proximity ID#'s determined and controlled by SARGENT - MicroProx Tag ordered individually*** - Minimum order is 25 MicroProx Tag	NOTE: The MicroProx Tag should be attached to magnetic stripe cards so that contact with the magnetic card reader is avoided.
MPT-C	- Site Code and Proximity ID#'s requested by customer - MicroProx Tag ordered individually*** - MicroProx Tag with custom Site Code, consult factory for minimum quantities	

SARGENT ProxKey® III		
PF	PF SARGENT ProxKey III • Site Code and Proximity ID#'s determined and controlled by SARGENT • 26 Bit Format, HID Coded Wiegand Output 125kHz • 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm) • Key ring sold separately (part no. 57-0001-02) • SARGENT ProxKey III ordered individually*** (Minimum order is 25 ProxKey III)	
PF-C	PF-C Custom ProxKey III • Site Code - requested by customer • Proximity ID#'s requested by customer • 26 Bit Format, HID Coded Wiegand Output 125kHz • 1.555" x 1.25" x 0.235" inches max (3.95 cm x 3.18 cm x 0.60 cm) • Key ring sold separately (part no. 57-0001-02) • PF-C Custom ProxKey III ordered individually*** (Minimum order is 100 Custom ProxKey III)	

*** Products are ordered individually; ordered quantity is the number of items to be shipped. If a quantity of 25 is ordered, 25 individual items will be shipped. Please note minimum order requirements.

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Accessories

Profile Series v.G1.5

SARGENT ASSA ABLOY

3267 Remote Power



- Provides a filtered and regulated 9 VDC remote power for Profile Series v.G1.5 locks
- Each unit can supply power to two v.G1.5 or LK products
- Optional 12 VDC Gel Cell battery allows for continuous operation in the event of a power failure. (Strongly recommended for applications without cylinder over-ride to prevent lock-out)
- Requires manufactured door with ElectroLynx or raceway through the door for hard-wiring*

Reference template list below for correct preparation of non-ElectroLynx doors.

4540 – Bored Lock
4541 – Mortise Lock
4542 – Rim and Mortise Exits

Includes:

- Plug-In Wall Transformer (52-0255) and (52-0258) 12' (3.6m) of shielded wire for connection between power transfer and power supply. (Maximum length of 50' (15.2m) recommended)

* Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.

Profile Series v.G1.5 Exit Device Upgrade Kit For:

SARGENT 80 Series Rim Exit Device (8877/8878)
Mortise Exit Device (8977/8978)

The Escutcheon/Electronics kits are available as single or three packs. When ordering specify kit number and finish (i.e. 231LK x 26D)

Exit Device Profile Upgrade

1 Pack Kit P/N	3 Pack Kit P/N	Description
231 LK	233 LK	Keypad Only (100 User\1000 Audit Capability)
231 G1-LU	233 G1-LU	Keypad Only (2000 User\2000 Audit Capability)
231 G1-PA	233 G1-PA	Proximity Only (2000User\2000 Audit Capability)
231 G1-PK	233 G1-PK	Proximity & Keypad (2000 User\2000 Audit Capability)
231 G1-TU	233 G1-TU	Keypad Only (2000 User\2000 Audit Capability) with RF Technology
231 G1-TA	233 G1-TA	Proximity Only (2000 User\2000 Audit Capability) with RF Technology
231 G1-TP	233 G1-TP	Proximity & Keypad (2000 User\2000 Audit Capability) with RF Technology

Trim Kits contain motorized exit trim used with the Profile Upgrade Kits to convert an existing exit device.

Trim Kit P/N	Description
777-8	8800 Series Rim Exit Device w/ Cylinder Override
778-8	8800 Series Rim Exit Device w/o Cylinder Override
777	8900 Series Mortise w/ Cylinder Override
778	8900 Series Mortise Exit w/o Cylinder Override

52-2551 RF Fob



RF technology offers stand-alone access control enhancement by allowing the user to remotely control the lock by means of a hand-held transmitter (RF Fob).

The Profile Lock is easily programmed for three primary RF actuation modes: Passage, Standard or Panic. RF Technology is a means of operating the lock in addition to by direct keypad code entry or proximity credential presentation.

NOTE: RF Fob sold separately

3267 Replacement Parts

52-0255 Plug-In Wall Transformer



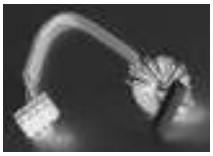
- Output 16.5 VAC, 2.4 Amps
- UL/cUL Listed
- Provides input power to Model 3267 Remote Power supply module

52-0258

- Cable Assembly-Power Supply to Power Transfer
- 12' (3.6m) shielded cable from the power to the power supply

91- Option Remote Power & Unlocking Wiring Harness

- Wire harness for Remote Power and Remote Unlocking (request to enter)
- Packed with lock assembly
- When ordering harness only, use 52-3010



- For ElectroLynx doors - QC8 electric hinge is required, available from McKINNEY
- For non-ElectroLynx doors - requires raceway with wire harness through the door and power transfer

– 4-Wire Concealed Circuit Hinge for Remote Power Only (McKINNEY CC4)

– 6-Wire Concealed Circuit Hinge for Remote Power and Remote Unlocking Options (McKinney CC6)(McKinney CC6)

52-0256 Gel Cell Battery

- Optional for 3267 Remote Power supply
- Provides continuous operation of Profile Series v.G1.5 in the event of a power failure
- 12 VDC 1.2 A/Hr rating
- 10,000 cycles typical in the event of power failure

DM- Option Forced/Propped Door Harness



- Wire harness for Forced/Propped door
- Packed with lock assembly
- When ordering harness only, use 52-3409
- For ElectroLynx doors - QC8 electric hinge is required; QC12 electric hinge is required when used with Remote Power and/or Remote Unlocking
- For non-ElectroLynx doors - requires raceway with wire harness through the door and power transfer

4 Wire Concealed Circuit Hinge for Forced/Propped Door Only (McKINNEY CC4).

8 Wire Concealed Circuit Hinge for Forced/Propped Door and Remote Power/Remote Unlocking (McKINNEY CC8)

- Door Status switch required

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Controllers and Weatherseal Gaskets

Profile Series v.G1.5

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Keypad Assemblies


4293


52-2704


52-2706

Controller



Note: Replacing existing G1 controllers with G1.5 controllers provides the following new features:

- "Forced" Master Code change from factory default
- Multiple Supervisory users
- First-in Auto-Unlock by specified users (SoloPlus or SofLink Plus 5.0 required)
- Temporary Codes by number of uses (1-500), start-and-stop dates or total days after first uses (SoloPlus or SofLink Plus 5.0 required)

Dorm Room Anti-Lock Product

Controller Assy	52-3413
Keypad Assy, G1-PK	52-2704
Keypad Assy, G1-PA	+52-2706

						v.G1.5 Series Controllers		
Assembly	**Products**	**LK**	**G1-LU**	**G1-PK***	**G1-PA***	**G1-TU**	**G1-TP**	**G1-TA**
Controller	Bored	52-2439	52-2733	52-2734	52-2734	52-2735	52-2736	52-2736
	Mortise	52-2440	52-2783	52-2784	52-2784	52-2785	52-2786	52-2786
	Exit	52-2441	52-2783	52-2784	52-2784	52-2785	52-2786	52-2786
Keypad	All	52-2432	52-2704	52-2704	+52-2706	52-2704	52-2704	+52-2706

*FCC approved
+Proximity only, no keypad

- Assemblies include circuit board and housing
- Batteries not included
- v.G1.5 controllers are labeled "G1.5"

Weatherseal Gasketing

- Provides sealing between outside escutcheon and door for exterior applications
- Gasketing (included) recommended for non-fire rated exterior applications

82-0500


For use with 8200 Mortise Escutcheon

68-1400


For use with 8800 or 8900 Exit Escutcheon

52-0263


For use with ET Trim

10-0469


For use with 10G77 Cylindrical Escutcheon

ES-G1 Enrollment Station



- Enrolls HID 125 kHz output (up to 40-bit format) proximity cards into software when bit format and/or site code is unknown
- PC Serial com port required
- SofLink Plus 5.0 or SoloPlus required

52-2593 Protective Shroud



- Provides weather protection for outside escutcheon
- Cover and hinge molded of tough polycarbonate
- Stainless steel torsion spring maintains cover in closed position
- Easily lifts for access to keypad
- Comes with mounting hardware and gasket
- Fast, easy installation
- Order separately

52-2847 Conduit



- Provides weather protection inside of door
- Constructed of durable ABS material
- For non-fire rated exterior applications only
- Included with product

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4293 Wall Prox Unit

Profile Series v.G1.5

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SARGENT's 4293 stand-alone prox reader offers all of the expanded capabilities of our Profile Series v.G1.5 hardware self-contained in a hard-wired reader.

The 4293 Wall Prox unit is managed from a personal computer using SoloPlus or SofLink Plus Version 4.0 or higher software. The 4293 Wall Prox unit is equipped with IR (infrared) communications which allow the unit to be programmed with SoloPlus or SofLink PDP software. In addition, the 4293 Wall Prox unit can be programmed with the unit's keypad.

No separate controller is needed for the 4293 Wall Prox, eliminating the need to run cables from a reader to a controller. The independent unit includes built in HID proximity technology, a keypad, and the controller.

Features

- 12VDC or 24VDC, 70mA hard-wired Proximity reader
- 2 Amp main lock relay contact rating
- 2,000 users and 2,000 audits
- Database capacity of 20,000 individual users
- Weather Resistant electronics (gasket included)
- Supports all HID 125 KHz formats (up to 40 bit) by Keypad Presentation or when using proximity enrollment station ES-G1 with SofLink Plus 5 or SoloPlus software
- Supports 26, 34, & SARGENT 1000 (33 bit) HID formats with SofLink Plus™ version 4.0 or higher, or SoloPlus software
- Separate (auxiliary) 2 amp relay to signal alarm shunt, propped or forced door (must use door status switch)
- Audible Alert for propped or forced door
- Can locate proximity antenna up to 10' from keypad/controller
- Glass mounting kit provided



Dimensions:
L: 5-1/4"
W: 2-3/4"
D: 1-5/8"

Access System Requirements

Software Requirements:

- SoloPlus or SofLink Plus™ Version 4.0 or higher software
- SofLink PDP software (for SofLink installations only)

Hardware Requirements:

- Operating System:
  Windows XP Home
  Windows XP Professional
  Windows Vista Home Premium
  Windows Vista Business
  Windows 7 Home Premium
  Windows 7 Professional
  Windows Server 2003
  Windows Server 2008
- IBM-compatible Pentium-class computer
- 30MB available hard disk space
- VGA monitor
- CD-ROM drive
- Mouse
- USB Port
- Data Transfer Device or Personal Digital Assistant (PDA)
  See PDA compatibility chart on page 10

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Mechanical Options & Shipping Information

Profile Series v.G1.5

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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (exit devices only, not available with 16- and HK-)
Cylinder Dogging	**16-**	Cylinder lockdown (non fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (exit devices only)
Strike Options	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4 (10 line only)
10 Line Backset Options	**23-**	3-3/4" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	**41-**	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 line only)
Flush End cap	**43-**	Flush End Cap (Exit Devices only)
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)
SARGuide	**PL-**	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77, and TL-)
Electrical Options	**91-**	Power/Remote Unlocking wiring harness
	DM-	Forced/Propped door harness
Windstorm Options	**HC-**	Hurricane Code (rim exit devices only, see page 19 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 17 for details)

Shipping Information

Lock	Shipping Weight	Pc. Count/Carton
G1-8276-PK x lever trim (with cylinder)	11.2 lbs (5.1kg)	1/carton
G1-8277-PK x lever trim (no cylinder)	10.7 lbs (4.9kg)	1/carton
G1-8278-PK x lever trim (with cylinder no deadbolt)	11.2 lbs (5.1kg)	1/carton
G1-8279-PK x lever trim (w/o cylinder no deadbolt)	10.7 lbs (4.9kg)	1/carton
G1-LU8877	21.0 lbs (9.5kg)	1/carton
G1-PA8977	23.0 lbs (10.4kg)	1/carton
G1-10G77-PKL	10.7 lbs (4.9kg)	1/carton

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Cylinder Options

Profile Series v.G1.5

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)
Conventional Cylinder	—	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-**	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System(not available with 10-, 22-, 60-, 63-, 64- options)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered Separately)
XC- Small Format Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7 Pin) XC- Permanent Cores, plastic disposable core provided (10 line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose) (10 line J lever not available)

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Cylinder Options

Profile Series v.G1.5

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To order options listed below, list the alpha or numerical code before the product model number

Cylinder Options:

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63-, 73-, 82-, SC- & SE-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems) (N/A with 10-, 11-, 63-, 73-, 82-, SC- & SE-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (Existing Systems Only)
Large Format Interchangeable Core (Removable Core)	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable plastic Core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered Separately)
Small Format Interchangeable Cores	**70-**	Hardware to accept 6 or 7 Pin SFIC Permanent Cores, plastic disposable core provided (10 line J lever not available)
	72-	Hardware to accept 6 or 7 Pin SFIC (Keyed Construction Core provided) Cylinder (Permanent Core Ordered Separately) (10 line J lever not available)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying) (10 line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying) (10 line J lever not available)
	73-7P-	Hardware supplied with Small Format 7 Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 line J lever not available)
Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores Ordered Separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patent pending and/or patent - www.assaabloydss.com/patents)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patent pending and/or patent -www.assaabloydss.com/patents)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Lock supplied less cylinder
Accepts Schlage Cylinders	**30-**	10 Line Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept MEDECO KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (10 Line only)
	SE-	Schlage E keyway cylinder, 0 bitted (10 Line only)

Note: For V-10 Cylinders and information, contact ASSA

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Architectural Specifications

Profile Series v.G1.5

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10G77 Bored Locks



Access Control Cylindrical Locks

1. Access control cylindrical locks shall be 10 Line as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide cylindrical lock series and functions where specified in hardware groups, with the provisions below.
   a. Cylinders: Refer to 2.04 KEYING, keying requirements.
   b. Backsets: 2-3/4 inches.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation
3. Provide access control products with non-volatile memory.
4. Provide keypad operated products with a minimum of 100 user codes (LK) or 2,000 user codes (G1-LU).
5. Provide keypad/proximity (G1-PK) and proximity only (G1-PA) products with a minimum of 2,000 user codes and the ability to audit the last 2,000 transactions.
6. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
7. Provide the ability to audit the last 1000 entries (LK) via infrared printer or DTD.
8. Provide SoloPlus Software, capable of working with Microsoft Windows based operating systems, ability to access database(s) from multiple PC locations, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
9. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress. Provide lever design to match lock levers.
10. Locks shall have the option to be remotely controlled via hand-held radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
11. Locks shall have LEDs to indicate status – unlocked and programming mode.
12. Provide twenty-five (25) HID Prox Card II for keypad/proximity (G1-PK) and proximity only (G1-PA) products.
13. Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or cross bars in accordance with local building codes.

8200 Series Mortise Locks



Access Control Mortise Locks

1. Access control mortise locks shall be 8200 Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with the provisions below.
   a. Cylinders: Refer to 2.04 KEYING, keying requirements.
   b. Backsets: 2-3/4 inches.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation
3. Provide access control products with non-volatile memory.
4. Provide keypad operated products with a minimum of 100 user codes (LK) or 2,000 user codes (G1-LU).
5. Provide keypad/proximity (G1-PK) and proximity only (G1-PA) products with a minimum of 2,000 user codes and the ability to audit the last 2,000 transactions.
6. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
7. Provide the ability to audit the last 1000 entries (LK) via infrared printer or DTD.
8. Provide SoloPlus software, capable of working with Microsoft Windows based operating systems, ability to access database(s) from multiple PC locations, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
9. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress. Provide lever design to match lock levers.
10. Locks shall have the option to be remotely controlled via hand-held radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
11. Locks shall have LEDs to indicate status – unlocked and programming mode.
12. Provide twenty-five (25) HID Prox Card II for keypad/proximity (G1-PK) and proximity only (G1-PA) products.
13. Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or cross bars in accordance with local building codes.

8800/8900 Series Exit Devices



Access Control Exit Devices

1. Access control exit devices shall be 80 Series as manufactured by SARGENT Manufacturing Company of New Haven, CT.
2. Provide access control exit device series, type, and functions where specified in hardware groups. SARGENT product numbers are referenced in the Hardware Groups.
3. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".
4. Provide access control products with non-volatile memory.
5. Provide keypad operated products with a minimum of 100 user codes (LK) or 2,000 user codes (G1-LU).
6. Provide keypad/proximity (G1-PK) and proximity only (G1-PA) products with a minimum of 2,000 user codes and the ability to audit the last 2,000 transactions.
7. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
8. Provide the ability to audit the last 1000 entries (LK) via infrared printer or DTD.
9. Provide SoloPlus Software, capable of working with Microsoft Windows based operating systems, ability to access database(s) from multiple PC locations, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
10. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times. Provide lever design to match lock levers.
11. Access control exit devices shall have the option to be remotely controlled via hand-held radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the exit device.
12. Locks shall have LEDs to indicate status – unlocked and programming mode.
13. Provide twenty-five (25) HID Prox Card II for keypad/proximity (G1-PK) and proximity only (G1-PA) products.
14. Provide cylinder or hex key dogging feature for non-rated exit devices.
15. Provide keyed removable mullions, as specified in the Hardware Groups.
16. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.
17. Provide cylinders for exit devices with cylinder override and cylinder dogging.
    a. Cylinders: Refer to 2.04 KEYING, keying requirements.

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Windstorm Certifications: UL Listed & Florida Building Codes

Profile Series v.G1.5

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SARGENT Manufacturing offers a wide variety of products that meet building codes requiring hurricane, windstorm and FEMA certifications. SARGENT products are tested to meet the requirements of the most severe building codes as specified by the Florida Building Code, Miami Dade Code Requirements and in the International Building Code. Listed below are certifications and the standards met by these products.

G1-10 Line cylindrical locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

G1-8200 Series mortise locks are UL Certified and Listed on the Florida Building Code Website as stated:

- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL6728-R1
- Listed on Florida Building Code Website: FL4351-R1

G1-HC8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- G1-HC8800 for single and double door applications; 8-0 max opening
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- UL Certification Directory ZHLL.R21744 Windstorm-rated Assemblies
- Listed on Florida Building Code Website: FL2998-R2

G1- WS8800 rim exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- G1-WS 8800 for Single Hollow Metal 1-3/4" Thick Doors applications, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

G1-WS8900 mortise lock exit devices are UL Certified and Listed on the Florida Building Code Website as stated:

- WS 8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- UL Listed per ANSI/SDI-BHMA A250.13
- ANSI/ASTM E330-2002
- ANSI/ASTM E1886-2005
- ASTM E1996-2009
- Testing Application Standard (TAS) 201-1994*
- Testing Application Standard (TAS) 202-1994*
- Testing Application Standard (TAS) 203-1994*
  * published in the "Florida Building Code"
- UL Certification Directory ZHEM.R21744 Latching Hardware
- Listed on Florida Building Code Website: FL4351-R1

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Experience a safer
and more open world

90140 09/19

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Product Catalog

SARGENT
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Keypad (KP) Series

Standalone Access Control Products





Experience a safer and more open world

Standalone Access Control Products

Keypad (KP) Series

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Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings

agion

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

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On The Cover

- SARGENT KP10G77

Overview and Features

Keypad (KP) Series

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Overview

The KP Series Keypad locks are designed for openings that require standalone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements.

Combined with the physical security of an ANSI Grade 1 mechanical locking mechanism (cylindrical, mortise or exit device), these locks provide the security and functionality needed to control access to storerooms, offices, stairwells, conference rooms and rest rooms. With the cylinder override feature, the keypad lock can be readily integrated into a new or existing master keyed system.

Features of the Keypad Operated Products

- Non-volatile memory
- All programming at keypad
- Keypad made of ultraviolet stable textured material
- Operating temperature for keypad: 4°F – 140°F
- Adjustable unlock time
- LEDs on keypad
  - Green indicates unlocked
  - Yellow indicates programming mode
  - Flashing green and solid yellow indicates deadbolt thrown
- Use on exterior doors with weatherseal gasket and shroud
- UL Listed for fire doors (12 - required for KP8800/8900 Series)
- UL Listed to Canadian safety standards
- Built-in remote “Request to Enter” requires wire harness (52-2071)
- User Codes - over 1,100,000 possible user combinations
  - 100 user codes
  - Operates utilizing any one to six digits per code - digits may be repeated or start with “0”
  - One master code - assigns emergency, supervisory and user codes, allows access during low battery
  - One emergency code - allows entry when deadbolt is thrown (KP8276/KP8277) or during low battery
  - One supervisory code - allows temporary lockout of selected users, changes unlock time duration, requests infrared interrogation output, and may add user codes
  - “One time” user codes allows visitors “one time” entry
  - Entry of three wrong user codes in succession disables all codes for ten seconds
  - Unit can be put in “passage only” mode at keypad
- Low battery indication - four chirps after code entry
- Operates with 4 “C” alkaline batteries (included)
- Typical 40,000 operations per set of batteries

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10 Line Cylindrical Locks

Keypad (KP) Series

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The Keypad Operated Products 10 Line Cylindrical lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT locks at a facility. The KP products offer economical, standalone access control solutions.

Mechanical Features

- Certified ANSI A156.2 Series 4000 - Grade 1
- UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41 - option)
- Motor driven 10 Line cylindrical lock
- Latchbolt brass, 1/2" (13mm) throw; UL Listed 3/4" (19mm) throw (41- option) available
- 2-3/4" (70mm) backset standard. Consult factory for other backsets available
- Non handed
- Heavy duty lever spring return rose assembly
- Steel spacer bushing and extended one-piece bearing sleeves
- Steel mounting studs
- 3 through-bolt position combinations
- Key override standard
- Includes code to activate horn when keypad buttons are pushed
- Not available with 82-, F1-82, 83-, F1-83, or 84- options
- For 1-3/4" (44mm) thick doors standard

KP10G77 Entry Lock With Cylinder

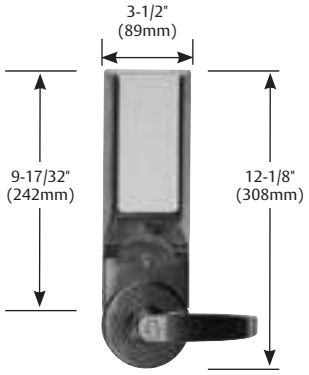
- Lever inside always retracts latchbolt
- Key outside retracts latchbolt
- Outside lever rigid except when in passage mode or valid user code entered

Cylindrical Lock Functions

	Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**
Cylinder override standard feature	KP	10	G77

Inside Escutcheon

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)
  9-17/32" (242mm) Inside Escutcheon



Ordering KP Cylindrical Locks

Options	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 11 - 13	Select from KP Cylindrical Lock Function chart above			Select rose & finish from page 7, and lever from page 8			RHR, LHR, RH or LH
28-	**KP-10G77**			**G**	**L**	**03**	**RH**

Note: Specify 28- for 808 ANSI Strike (Standard strike is the 2-3/4" T strike)

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8200 Series Mortise Locks

Keypad (KP) Series

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The Keypad Operated Products motorized 8200 Series Mortise Lock has a clean, crisp design and is available with the SARGENT Studio Collection, Coastal Series and traditional lever designs along with a full array of finishes. The mortise locks offer economical access control solutions for stand-alone applications. The mortise locks are available with or without deadbolt and with or without cylinder override. KP Series mortise locks feature Ecoflex™ technology for improved battery life.

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims
- Motor driven 8200 Series mortise lock
- Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Stainless steel non-handed auxiliary deadlatch
- Specify hand on order. Easily field reversible without disassembling lock body
- Includes code to activate horn when keypad buttons are pushed
- Lever trim through-bolted for increased security and durability
- 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- 4-3/4" (121mm) minimum stile for electrical function locks

Keypad Operated Products Mortise Lock Functions

All KP Mortise functions feature:

- Deadlatch deadlocks latchbolt
- Inside lever retracts latchbolt (and deadbolt simultaneously) at all times

Cylinder Override Function features:

- Key outside retracts latchbolt
- Cylinder override requires a #41 Cylinder (1-1/8")

Deadbolt Function features:

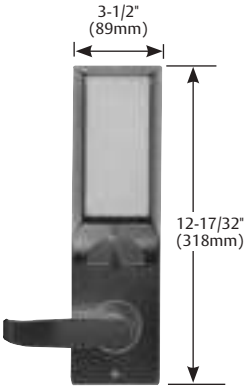
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- 1" hardened stainless steel deadbolt
- Thumbturn retracts and projects deadbolt

Mortise Lock Functions

	Then select:		
If the lock needs to have:	**Series**	**Type**	**Function**
Cylinder override and deadbolt	KP	82	76
Cylinder override and no deadbolt	KP	82	78
Deadbolt and no cylinder override	KP	82	77
No deadbolt and no cylinder override	KP	82	79

Inside Escutcheon

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)



Ordering KP Mortise Locks

Options	Series	Type	Function	Roses	Levers	Finish	Hand
Select from pages 11 - 13	Select from KP Mortise Lock Function chart above			Select rose from page 7, lever from Pages 8 - 9, and finish from page 7			RHR, LHR, RH or LH
3-10-	**KP-8276**			**LN**	**MX**	**26D**	**RH**

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80 Series Exit Devices

Keypad (KP) Series

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The Keypad Operated Products 80 Series Exit Devices provide economical access control in many different environments.

Mechanical Features:

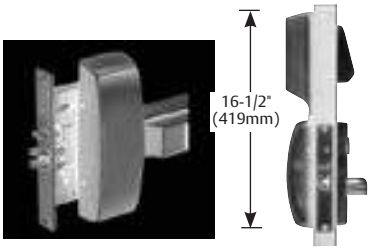
- Certified to ANSI A156.3 Grade 1 requirements
- Latchbolt 3/4" (19mm) projection
- Cylinder override use 34 rim cylinder, 8877; 46 mortise cylinder, 8977
- 8977 not available with 70-, 72-, 73-, 73-7P-, SC- or SE- options
- Includes code to activate horn when keypad buttons are pushed
- Center Case Chassis – non ferrous alloy (except 12-KP8877 & 12-KP8878)
- KP Rim Devices use 649 strike and KP Mortise Lock Devices use C908 strike
- Rim exit devices are non handed; mortise exits are handed

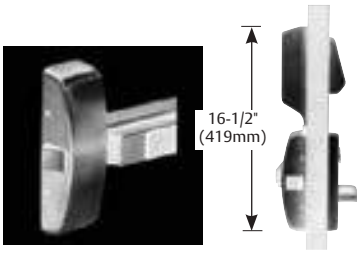
All KP Exit Devices feature:

- Push Rail always retracts latchbolt allowing free egress
- Lever outside active in "passage" mode or with valid user code

Rail Sizes:

E Rail - 24" to 32" Doors
F Rail - 33" to 36" Doors
J Rail - 37" to 42" Doors
G Rail - 43' to 48" Doors





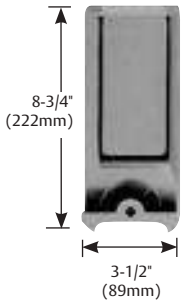
Exit Device Functions

	Mortise Exit			Rim Exit		
	Then select:			Then select:		
If the lock needs to have:	Series	Type	Function	Series	Type	Function
Cylinder override	KP	89	77	KP	88	77
No cylinder override	KP	89	78	KP	88	78

Escutcheon

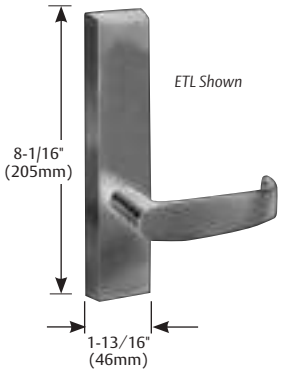
- Zinc die cast
- Fits above the center chassis cover
- Projection at top 2-1/8" (54mm)

Inside



Outside ET Lever Control

- Cast escutcheon
- KP8877 uses 777-8 ET control
  KP8878 uses 778-8 ET control
- KP8977 uses 777 ET control
  KP8978 uses 778 ET control



Ordering KP Exit Devices

Options	Series	Type	Function	Rail	Trim / Lever	Hand	Finish	Door Width
Select from pages 11 - 13	Select Device Type, Function & Rail Size from chart above				ET followed by lever designation from page 8 - 10	RHR or LHR	Select from pages 7	If supplied, rails will be cut to size
12-	**KP-8877F**				**ETL**	**RHR**	**32D**	**36"**

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Finishes, ET Trim and Handing

Keypad (KP) Series

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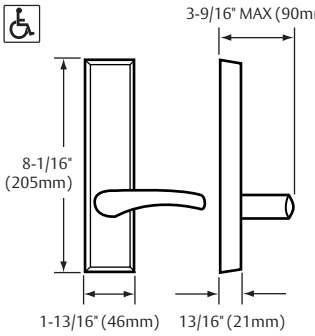
Finishes

SARGENT offers many different finishes for KP products. Please reference the chart below for finishes available.

	Finishes	ANSI	Mortise Locks	Cylindrical Locks	Exit Devices
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil rubbed	613	X	X	X
10BE	Dark Oxidized Satin Bronze — equivalent	613E	X	X	X
10BL	Oxidized satin bronze, clear power coat	–	X	X	X
14‡	Bright nickel, clear coated	618	X	X	X
15‡	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	–	X	X	X
26‡	Bright chrome	625	X	X	X
26D‡	Satin chrome	626	X	X	X
32	Bright stainless steel	629	X	–	X
32D	Satin stainless steel	630	X	–	X

‡ Exit Devices ordered in 32 or 32D will have the ET trims supplied in 26 or 26D; for nickel finished ET trims, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly

ET Lever Trim for Exit Devices



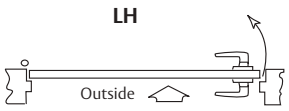
The 700 Series ET and Lever Control is the external trim with all KP-80 Series exit devices

ET Escutcheons and levers are plated brass

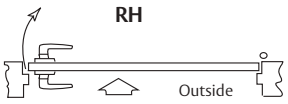
Stainless steel levers are available

Note: Exit devices are only available with ET Trim

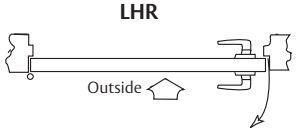
Handing



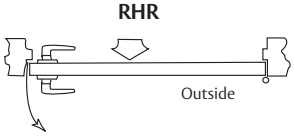
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

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Standard and Coastal Series Levers, Rose and Thumbturn Designs

Keypad (KP) Series

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KP Series products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. KP mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). KP Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

Levers

Standard Levers

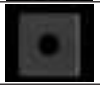
Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Note: KP-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

Coastal Levers

Lever	Design	Handed	Mortise Locks	Cylindrical Locks	Exit Devices
C		–	X		X
G		Yes	X	X	
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Note: KP-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

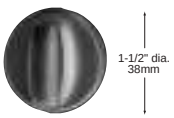
Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
LN		2"	X	
CR		2-3/16"	X	
TR		2-3/16"	X	
O		2-3/4"	X	
E2		2-11/16"	X	

Roses	Design	Diameter	Mortise Locks	Cylindrical Locks
E3		2-1/16"	X	
CO		2-3/4"	X	
TO		2-3/4"	X	
L		3-1/2"		X
G		3-1/2"		X

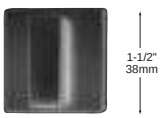
Thumbturns

The thumbturn backplate will match the rose design chosen. The turn designation must be specified as an option before the lock order string.
*The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 10 in the 8200 mortise lock catalog for more information.

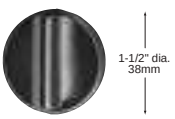
T1 Turn



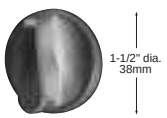
T2 Turn



T3 Turn



Standard Turn*



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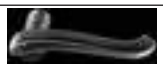
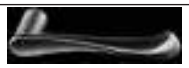
Studio Collection Levers

Keypad (KP) Series

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Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

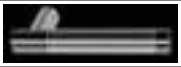
Aventura Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MB		–	X	X
ME		–	X	X
MF		–	X	X
NF[1]		–	X	X
MG		–	X	X
MI		–	X	X
NI[1]		–	X	X
MW[1]		–	X	X

Odeon Series[3,4]				
MN		Yes	X	X
MH		Yes	X	X
MK		Yes	X	X
MS		Yes	X	X
MU		Yes	X	X
MV		Yes	X	X
NS[1]		Yes	X	X
NU[1]		Yes	X	X
MX[1]		Yes	X	X

Berlin Series				
H015		-	X	X
H016[1]		-	X	X
H017		-	X	X
H018		-	X	X

Notting Hill Series				
Lever	Design	Handed	Mortise Locks	Exit Devices
MA[3,4]		Yes	X	X
MQ[4]		Yes	X	X
MT[4]		Yes	X	X
MM[4]		Yes	X	X
MR[3]		Yes	X	X
MY[1,4]		Yes	X	X
MO[4]		Yes	X	X
MZ[1,4]		Yes	X	X

Centro Levers				
MC[3,4]		–	X	X
MD		–	X	X
MJ		–	X	X
MP[4]		–	X	X
ND[1]		–	X	X
NJ[1]		–	X	X

Gramercy Levers[2]				
RCM		–	X	X
RAL		–	X	X
REM		–	X	X
RAM		–	X	X
RAS		–	X	X
RAG		–	X	X
RGM		–	X	X

1. Lever returns within 1/2" (13mm) of door face.
2. Gramercy levers are customized. Refer to page 10 for ordering information.
3. Contact factory for current lead times. Not available in stainless steel finishes.
4. Not available in 32D or 32 finish.

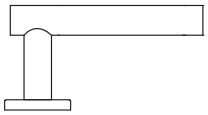
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Studio Collection Levers

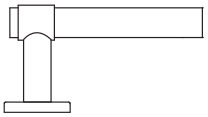
Keypad (KP) Series

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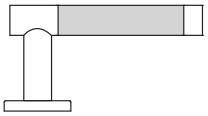
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Metallic Insert	2930 or 3030
RAS	Santoprene Insert	30BK, 29BK, 3E3E, BSBS or WSWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2929, 3030, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: KP- Mortise Locks x Gramercy Levers

Options	Series/ Type	Function	Rose	Lever	Finish	Hand
select from pages 11 - 13	KP-82	select from page 5	select from below	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	KP-82	76	LN	RAL	29BN	RH

How to Order: KP- Exit Device x Gramercy Levers

Options	Series	Type	Function	Rail Size	Trim	Lever	Finish	Inside Finish	Door Width
select from pages 11 - 13	Select from 80 Series Exit Device Function chart from page 6			E, F, J or G	ET Series	Leather insert	Bright stainless steel with brown leather	select from page 7	
10-	KP	88	77	F	ET	RAL	29BN	32D	36"

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Mechanical and Cylinder Options

Keypad (KP) Series

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Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware (KP8800 & KP8900 series Exits Only) (not available with 16-)
Cylinder Dogging	**16-**	Cylinder Rail Dogging with # 41 Cylinder (not available with 12-, 57, 59- or AL- option) (KP8800 & KP8900 Series Exits)
Less Touch Pad	**19-**	Pushbar without Lexan touchpad (KP8800 & KP8900 Series Exits)
Flat Lip Strike	**23-**	Flat 4-7/8" (124mm) ANSI strike (KP8200 SeriesMortise)
Backset Options	**23-**	3-3/4" (95mm) Backset (for KP10G77 only)
	25-	5" (127mm) Backset (for KP10G77 only)
Strike	**28-**	4-7/8" Curved Lip Strike #808 (KP10G77 only)
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Double Doors	**41-**	3/4" Throw Latchbolt x 2-3/4" Backset
Tactile Warning Options	**75-**	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits)
	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes)

Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
	DG1-63-	Degree Level 1 Removable Core (not available with cylindrical locks)
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-	Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices)
	DG2-	SARGENT Degree Key System Level 2
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks)
	DG2-63-	Degree Level 2 Removable Core (not available with cylindrical locks)
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-	Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices)
	DG3-	SARGENT Degree Key System Level 3
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks)
	DG3-63-	Degree Level 3 Removable Core (not available with cylindrical locks)
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks)
	DG3-78-	Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices)

Note: More Cylinder Options on the following page

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Cylinder Options

Keypad (KP) Series

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Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks)
Signature Key System	**10-**	SARGENT Signature Key System (Not Available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core	**10-63-**	SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder
XC- Key System	**11-**	XC Key System (not available with 10-, 22-)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core	**11-60-**	Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Interchangeable Cores	**11-70-7P-**	Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available)
	11-72-7P-	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available)
	11-73-7P-	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	11-65-73-7P-	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)

Construction Key Systems	**21-**	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	**51-**	Removable Core Cylinder (Old Style) provided (Existing Systems Only)
	52-	Removable Construction Core (Old Style) Permanent Core ordered separately (Existing Systems Only)
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately)
Interchangeable Cores	**70-**	Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available)
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately)
	73-	Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (Permanent) Core (10 Line J lever not available)
	65-73-7P-	Hardware provided to accept Uncombinated 7-Pin SFIC (Permanent) Core (10 Line J lever not available)
	73-7P-	Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available)

Note: More Cylinder Options on the following page

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Cylinder Options and Shipping Information

Keypad (KP) Series

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Cylinder Options:

Keso & Keso F1	**81-**	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line)
	F1-83-	Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented)
	84-	Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately)
Bump Resistant	**BR-**	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	**LC-**	Hardware supplied less cylinder
Accept Schlage Cylinders	**30-**	Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only)
	SF-	L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only)
Schlage Keyways	**SC-**	Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)
	SE-	Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series exit devices)

Note: V-10 cylinders and information contact ASSA, Inc. @ 800-235-7482
Note: To order the KP-10 Line lock for use with ASSA V-10 (VA & VS) cylinders, specify the less cylinder (LC-) option and the lever will accept VA & VS cylinders. (VC- & VC-VS- ASSA cylinders are not available with KP-10 Line locks)

Shipping Information

Lock	Shipping Weight	Pc. Count/Carton
KP8276 x lever trim (with cylinder)	10.0 lbs (4.5 kg)	1/carton
KP8277 x lever trim (no cylinder)	9.5 lbs (4.3 kg)	1/carton
KP8278 x lever trim (with cylinder/no deadbolt)	10.0 lbs (4.5 kg)	1/carton
KP8279 x lever trim (w/o cylinder/no deadbolt)	9.5 lbs (4.3 kg)	1/carton
KP8877	16 lbs (7.3 kg)	1/carton
KP8977	18 lbs (8.2 kg)	1/carton
KP10G77 LL	9.75 lbs (4.4 kg)	1/carton

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Architectural Specifications

Keypad (KP) Series

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KP10G77 Cylindrical Locks



2.0 ACCESS CONTROL CYLINDRICAL LOCK

A. Standalone access control cylindrical locks shall be KP10G77 as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide cylindrical lock series and function where specified in hardware groups, with the provisions below.

1. Cylinders: Provide SARGENT Signature Series cylinders.

2. Backsets: 2-3/4 inches.

3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.2, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. Provide keypad operated products with a minimum of 100 user codes.

G. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

H. Provide the ability to print the last fifteen entries via infrared printer.

I. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress.

J. Provide lever design to match other locks on the project.

K. Provide LED's on unit to indicate status – unlocked and programming mode.

L. Provide weatherseal gasketing for keypad at exterior applications.

KP8200 Series Mortise Locks



2.1 ACCESS CONTROL MORTISE LOCKS

A.Stand alone access control mortise locks shall be KP8200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide access control mortise lock series, type, and function where specified in hardware groups, with the provisions below.

1. Cylinders: Provide SARGENT Signature Series mortise cylinders.

2. Backsets: 2-3/4 inches.

3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.13, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

G. Lock shall have the ability to print the last fifteen entries via infrared printer.

H. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress.

I. Provide lever design to match other locks on the project.

J. Provide LED's on unit to indicate status – unlocked and programming mode.

K. Provide weatherseal gasketing for keypad at exterior applications.

KP8800/8900 Series Exit Devices



2.2 ACCESS CONTROL EXIT DEVICES

A. Standalone access control exit devices shall be KP8800/8900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide access control exit device series, type, and function where specified in hardware groups.

C. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".

D. Exit devices shall meet ANSI/BHMA A156.3, Grade 1 requirements.

E. Provide exit devices factory cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.

F. Provide access control products with non-volatile memory.

G. Provide keypad products with a minimum of 100 user codes.

H. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

I. Provide the ability to print the last fifteen entries via infrared printer.

J. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times.

K. Provide lever design to match other lock levers on the project.

L. Provide LED's on unit to indicate status – unlocked and programming mode.

M. Provide weatherseal gasketing for keypad at exterior applications.

N. Provide cylinder-dogging feature for non-rated exit devices.

O. Provide keyed removable mullions, as specified in the Hardware Groups.

P. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.

Q. Provide SARGENT Signature Series cylinders for exit devices with cylinder override and cylinder dogging.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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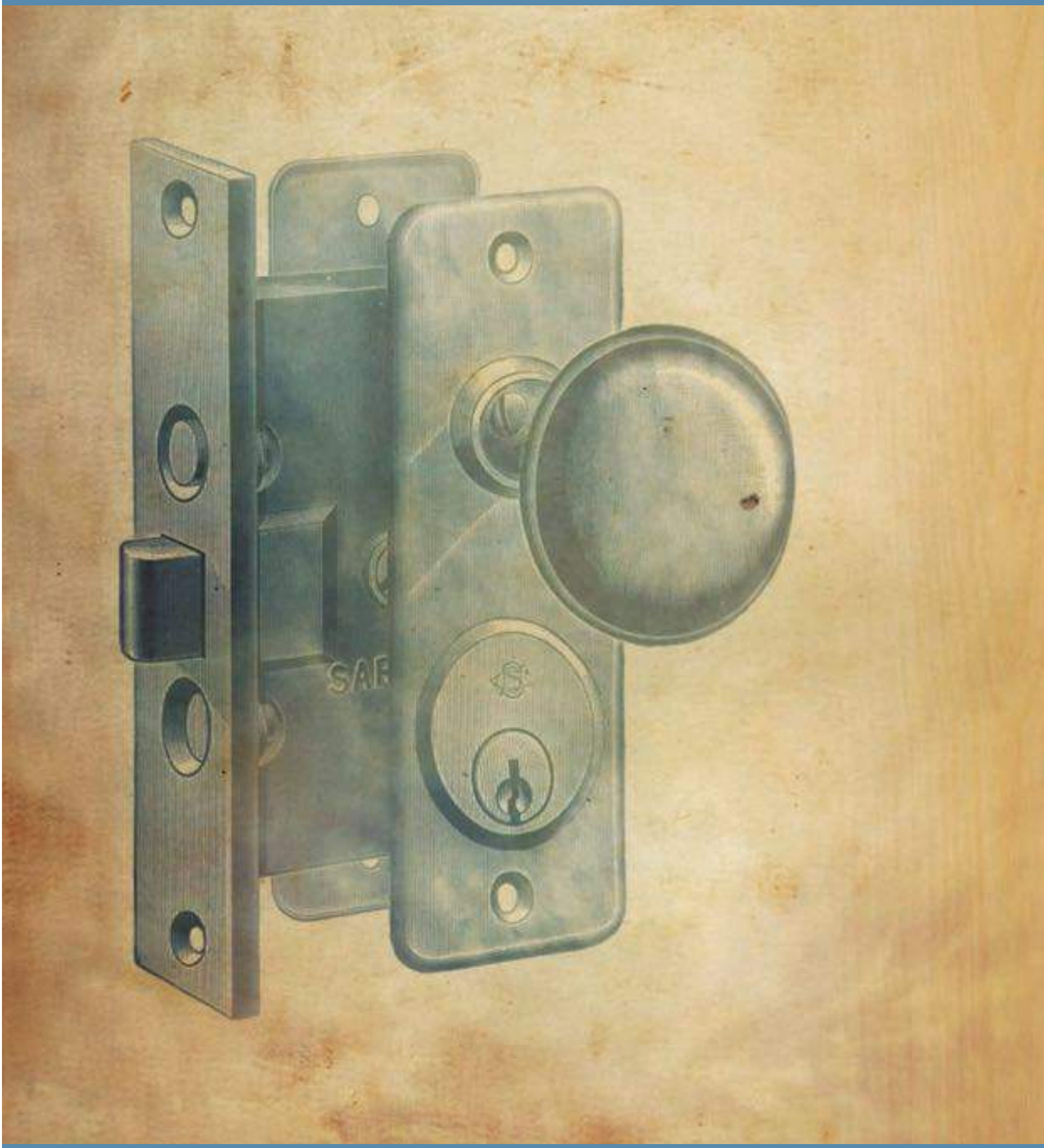
Condensed Catalog

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SAR



Continuously striving.

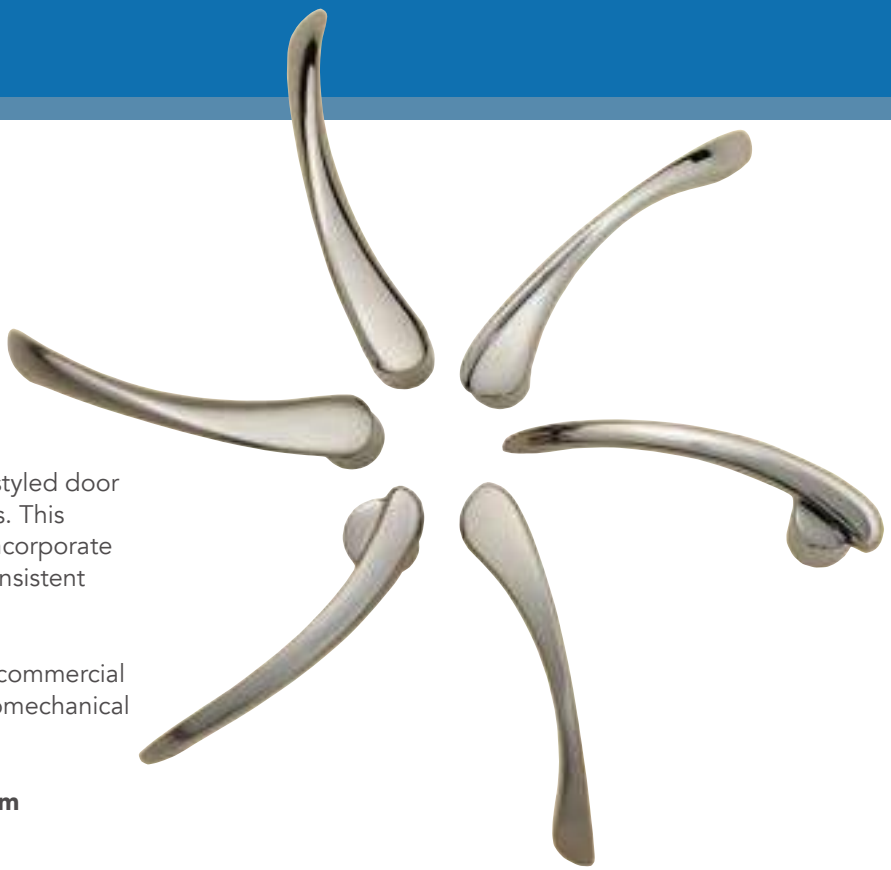
Founded in the early 1800s, SARGENT® Manufacturing Company is a market leader in locksets, cylinders, door closers, exit devices, electromechanical products and access control systems for new construction, renovation and replacement applications in commercial construction, institutional and industrial markets.

Continuously striving to offer innovative solutions for its customers, SARGENT® is committed to providing them with the highest quality solutions available and looks to remain as the market leader by following its core principles of offering superior quality with cutting-edge technology.



Decorative Hardware

STUDIO collection



Leading the Way in Style

Studio Collection from SARGENT features superbly styled door trim available in a broad array of designs and finishes. This collection enables inspired design professionals to incorporate their aesthetic vision into any opening, allowing a consistent appearance regardless of the door's function.

Studio Collection trim is compatible with SARGENT commercial grade mortise and tubular locks, exit devices, electromechanical and access control locks in a variety of applications.

For more information visit **www.studiocollection.com**



Odeon



Aventura



Notting Hill



Grant Park



Centro



Wooster Square



Gramercy



Rialto

Sampling of levers shown. To view the full collection, or to mix and match styles and finishes by visiting: **selector.sargentlock.com**

Simplí™ Unique

This roseless trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection decorative levers, Simplí™ creates a flawless aesthetic vision on any door opening.





A New Wave of Expression

The Coastal Series creates a classic ambiance throughout any architectural setting. With traditional features, this decorative lever collection is offered in a variety finishes and is available across all product platforms, creating unity in design.

the good design studio

With ASSA ABLOY, it's not just about good looking door hardware…It's about the entire opening. Beautiful wood doors and frames, pulls, hinges, coat hooks, door stops and, of course, locks, access control and exit devices with superbly stylized levers.

ASSA ABLOY Group brands offer suited door openings in the epic pursuit of Good Design and the Total Aesthetic Opening.

Visit **www.thegooddesignstudio.com** to learn more.



Access Control

Selecting the Right Access Control Solution

		Keypad Access Control	Offline		WiFi		
	Product	KP Series	Passport 1000 PG	Profile Series v.G1.5	IN120	Profile Series v.S2	Passport 1000 PG
Credential	Magnetic Stripe		✔				✔
	Prox Only		✔	✔		✔	
	ICLASS Only					✔	
	multiCLASS SE®				✔		✔
	Keypad	✔	✔	✔		✔	✔
	Mobile Devices (iOS or Android)				✔		✔
Lock Type	Mortise Lock	✔	✔	✔	✔	✔	✔
	Cylindrical Lock	✔	✔	✔	✔	✔	✔
	Exit Device	✔	✔	✔	✔	✔	✔

Aperio Wireless		Integrated Wiegand		Power Over Ethernet (PoE)		
IN100 Aperio® Wireless Lock	PR100 Aperio® Wireless Lock	SE LP10	Harmony	IN220	Profile Series v.S1	Passport 1000 P1
			✔			✔
	✔		✔		✔	
	✔				✔	
✔		✔		✔		✔
	✔				✔	✔
✔ (Android only)		✔		✔		✔
✔	✔	✔	✔	✔	✔	✔
✔	✔	✔	✔	✔	✔	✔
✔	✔	✔	✔	✔	✔	✔

Access Control

Keypad Access Control

KP Series



The KP Series keypad locks are designed for openings that require stand-alone, basic authorized entry capabilities. All programming is done at the door using the keypad with functions selected by the user according to opening requirements. Combined with the physical security of ANSI/BHMA Grade 1 mechanical hardware, these locks provide the security and functionality needed to control access to storerooms, offices, stairwells, conference rooms and restrooms.

BENEFITS

- Easily upgrade from mechanical locks
- Manage locks locally
- Provide fast, simple installation
- Allow for added flexibility to add and remove users without issuing keys

Offline Access Control

Passport 1000 PG



Secure your campus in style with the Passport 1000 PG lockset with PERSONA Campus™ software- an intelligent One Card solution for economical and effective access control. Gain the ability to customize access based on users, hours and facilities and track usage of each lock without visiting the door. PERSONA Campus™ software technology provides seamless database integration and software interfacing with enterprise transaction and housing systems.



BENEFITS

- Use with campus' existing magstripe cards
- Offer an affordable option for customized access control
- Allow for faster, easier installation without the need for wiring to an access control system
- Integrate easily with campus transactional and housing systems
- Enhance security with keypad for dual factor authentication

Profile Series v.G1.5



Profile Series v.G1.5 offline locks offer an economical solution for customized access control. Use a handheld data transfer device to program access control quickly and easily. Make your facility safer with the ability to lock the door quickly from almost anywhere inside the room - when programmed for Panic Mode, doors lock and disable all "user" credentials.

BENEFITS

- Offer an affordable option for customized access control
- Allow for faster, easier installation without the need for wiring to an access control system
- Provide the highest degree of security with durable hardware
- Enhance security with keypad for dual factor authentication

Intelligent WiFi Access Control

IN120



The SARGENT IN120 WiFi lock brings you the next generation of WiFi access control in a sleek, minimalist design. Leverage your IT infrastructure to deliver advanced access control to more locations, with the flexibility and security of multiCLASS SE® technology from HID Global®.

BENEFITS

- Support multiple credential types for an easy transition to higher security credentials and HID Mobile Access®
- Reduce installation time and costs by utilizing existing WiFi
- Easily install in hard-to-wire locations
- Enable privacy capabilities for a variety of applications

Passport 1000 P2



Increase campus security with a future-proof lockset that's easy to install and update. No wires means significantly reduced installation costs and the ability to use virtually anywhere, all with the reliability of high quality hardware. Designed specifically for the campus environment, it combines magstripe, PIN code and multiCLASS SE® technology from HID Global® for an easy, affordable migration path to higher security credentials and mobile access.

BENEFITS

- Support multiple credential types for an easy transition to higher security credentials and HID Mobile Access®
- Create long-lasting systems that are cost-effective and future-proof
- Easily install in hard-to-wire locations
- Integrate easily with campus transactional and housing systems
- Manage with ASSA ABLOY's PERSONA Campus™ software or a variety of industry-leading third-party access control systems

Profile Series v.S2



The Profile Series v.S2 offers robust wireless access control and reliable security at an affordable price. Get more access control for your budget with an ANSI/BHMA Grade 1 lock that connects to the building's existing WiFi network and can make decisions at the door if the network fails. Because there are no wires to run, installation and labor is significantly reduced and commission is expedited.

BENEFITS

- Easily install in hard-to-wire locations
- Reduce installation time and costs by utilizing existing WiFi
- Provide versatility with the ability to easily integrate into existing systems

Access Control

Aperio® Wireless

IN100 Aperio® Wireless Lock



The IN100 lock with Aperio® Technology makes access control easy and affordable. This next generation lock offers the convenience and flexibility of Aperio® wireless technology with the real-time communication of online access control. As part of the Aperio® family of wireless locks, the IN100 offers easy expansion of existing access control systems to bring a new level of control to your facility.

BENEFITS

- Respond quickly with remote lock & unlock functions
- Support multiple credential types for an easy transition to higher security credentials and HID Mobile Access®
- Eliminate cost and inconvenience with quick, easy deployment
- Enable privacy capabilities for a variety of applications

PR100 Aperio® Wireless Lock



The Sargent PR100 lock with Aperio® Technology makes it easy and cost-effective to bring access control to additional openings. It uses local wireless communication between the lock and an Aperio® hub to connect to an access control system, eliminating the greatest cost and inconvenience of traditional access control – the wiring at the door.

BENEFITS

- Enhance security with keypad for dual-factor authentication
- Eliminate cost and inconvenience with quick, easy deployment
- Seamlessly integrate into existing credential systems



Integrated Wiegand Access Control

SE LP10



The SARGENT SE LP10 combines the ease and convenience of Integrated Wiegand technology with the heightened security and flexibility of multiCLASS SE® technology from HID Global®. This integrated lock offers an ideal solution for mixed credential environments and provides an easy transition to different credential technologies and mobile access.

BENEFITS

- Support multiple credential types for an easy transition to higher security credentials and HID Mobile Access®
- Seamlessly blend into any environment with streamlined appearance
- Reduce installation time while maintaining architectural integrity
- Simplify set-up with only one required cable
- Integrate easily with all popular access control systems
- Provide added security with enhanced monitoring capabilities

Harmony Series



Equip your facility's openings with the perfect balance of style and security. Harmony includes all standard access control components - including a card reader and monitoring capabilities - in a small, streamlined lock designed to blend into any environment. Get fast and easy installation, beautiful looks and easy system expansion with the Harmony lock.

BENEFITS

- Seamlessly blend into any environment with streamlined appearance
- Reduce installation time while maintaining architectural integrity
- Streamline installation with only one required cable
- Integrate easily with all popular access control systems
- Provide added security with enhanced monitoring capabilities



Access Control

Power Over Ethernet (PoE) Access Control

IN220

You can have beautiful aesthetics, energy efficiency and Power over Ethernet (PoE) access control in one streamlined lock with the IN220. Leverage your existing network for enhanced security and less expensive installations. With support for multiple credential types, including mobile devices, the IN220 offers a future-proof solution that is convenient and secure.



BENEFITS

- Seamlessly blend into any environment with streamlined appearance
- Reduce costs and enable real-time communication
- Maximize energy efficiency and reduce standby power consumption
- Provide versatility with the ability to easily integrate into existing systems
- Enable privacy capabilities for a variety of applications

Passport 1000 P1

The Passport 1000 P1 intelligent Power over Ethernet (PoE) lockset offers online access control, using magstripe, PIN code and HID® multiCLASS SE® technologies for customized access to campus facilities. This offers an ideal solution for forward-thinking campuses looking for a migration path to higher security credentials and mobile access. Using the facility's Ethernet network, the Passport 1000 P1 provides full online access control with standard network cabling. Recognized for its contribution to sustainable buildings, the P1 reuses existing IEEE 802.3af PoE infrastructure, streamlines the installation process, reduces costs and components and minimizes power consumption.



BENEFITS

- Support multiple credential types for an easy transition to higher security credentials and HID Mobile Access®
- Reduce costs and enable real-time communication
- Integrate easily with campus transactional and housing systems
- Manage with ASSA ABLOY's PERSONA Campus™ software or a variety of industry-leading third-party access control systems

Profile Series v.S1

Get all the standard access control components you need - including ANSI/BHMA Grade 1 SARGENT hardware, contactless reader, door status monitoring and controller - in the energy-efficient Profile Series v.S1 lock. By using a single Ethernet cable for both power and data, it eliminates the need for any additional power supply or electrical wiring and makes installation fast and affordable.



BENEFITS

- Reduce costs and enable real-time communication
- Provide versatility with the ability to easily integrate into existing systems
- Enhance security with keypad for dual-factor authentication

Key Systems

Degree®



Get reliable, affordable security for each and every opening in your facility with the patented Degree® key system. A common key for all three levels of security enhances key control and simplifies administration. Key blanks are controlled through authorized distribution and geographical protection is available.

BENEFITS

- Provide ideal security with strong, bump-resistant key systems
- Allow for easy field service with minimal components and user-friendly design
- Ensure patented protection from unauthorized key duplication through 2027
- Implement cost-effective upgrade for SARGENT facilities with availability for all existing SARGENT cylinder types

XC Series



Use the XC Series lock and never worry about unauthorized duplication of keys again. Patent protected keys – which operate XC cylinders and conventional cylinders – make duplicating keys more difficult and your facility safer. Multiple security levels provide key control, convenience and service that meet the demands of each installation.

BENEFITS

- Enhance security and key control by limiting unauthorized duplication
- Easily integrate into most existing SARGENT systems or as a new system

Conventional



With limited control cylinders and keys, provide the required minimum level of control in a full range of keyways. Geographically restricted key sections are available.

BENEFITS

- Allow for added flexibility with availability in all SARGENT cylinder formats
- Customize with a number of finishes
- Provide enhanced security with a factory master keying system design

Key Systems

Other Available Key Systems

Extra control. Extra security. Exclusive end-user pattern. Protected key control. The Signature Series has these benefits and more. The protected key design provides additional control over unauthorized key duplication, while the cylinder's unique design resists attempts at manipulation.



Get the benefit of multiple levels of master-keying with no loss of security with the KESO® lock system. The dimpled key requires sophisticated key-cutting equipment, making unauthorized duplication next to impossible. The unusual cylinder with 3 banks of pins is extremely pick resistant for added security.



6300 Series Large Format Interchangeable Core

Get the convenience of large format interchangeable cores with the 6300 Series. Removable core cylinders and construction cores allow quick change of keying without disassembly. Cores are interchangeable with all SARGENT mortise locks, exit devices, cylindrical locks, padlocks and auxiliary locks.



7300 Series Small Format Interchangeable Core

This small format interchangeable core is offered in two keyways. These cores are available in 6 and 7 pin keyways, allowing for more versatility while maintaining durability and enhanced security you can rely on.





Bored Locks

Selecting the Right Bored Locks Solution

	11 Line	10 Line	7 Line
ANSI/BHMA 156.2 A Certified	Grade 1	Grade 1	Grade 2
UL Listed (3 Hour)	✔	✔	✔
Warranty	10 Years	7 Years	5 Years
Buy American Act	✔	✔	✔
Windstorm Certified	✔	✔	✔
Door Thickness	1 3/4" - 2 1/2"	1 3/8" - 2"	1 3/8" - 1 3/4"
Thrubolted		✔	✔
Backset	2 3/4", 3 3/4", 5"	2 3/8", 2 3/4", 3 3/4", 5"	2 3/8", 2 3/4"
Field Reversible Handing	✔	✔	✔
Electrified Functions		✔	✔
Electrified Options (Request to Exit)		✔	
Latchbolt Throw	1/2", 3/4" Optional	1/2", 3/4" Optional	1/2"
Number of Mechanical Functions	19	19	10
Number of Finishes	12	12	12
Lever Designs	4	6	5
Free Wheeling Levers		Optional	
Other Manufacturer Keyways	✔	✔	✔
Security or Patented Keying	✔	✔	✔
SFIC	✔	✔	✔

11 Line



The demanding environment of your school or healthcare facility needs a lock that's durable and reliable. Meet the 11 Line lock: A flexible lever lock with a single body that serves all functions. Its unique T-Zone construction with true interlocking between the lockbody and latch easily exceeds ANSI/BHMA Grade 1 requirements for torque and cycle testing, ensuring durability in abusive applications.

BENEFITS

- Add maximum security and durability
- Fits 161 door preps with 19 available functions
- Utilize one lockbody for multiple functions
- Easily install with fewer moving parts

10 Line



When you need a sturdy lock that endures 1.5 times the industry standard of abusive force, look no further than the SARGENT® 10 Line. This heavy duty cylindrical lockset exceeds ANSI/BHMA Grade 1 standards and can handle more than 9.6 million cycles.

BENEFITS

- Quickly install in 1 minute or less
- Adapt to fit multiple thrubolt positions
- Customize with a variety of lever styles, finishes and functions

7 Line



The best overall lock in the Grade 2 class. This lock is designed for many standard duty commercial interior and exterior applications in public buildings, medical offices, hotels/motels and government facilities - the 7 Line exceeds ANSI/BHMA A156.2 Grade 2 standards for cycling and durability.

BENEFITS

- Quickly install in 1 minute or less
- Incorporate non-handed design for ease of use
- Combine durability and aesthetics with a solid feel and attractive design
- Easily retrofit to 161 door preps

Bored Locks

Other Available Bored Locks

Get the lock that will meet and exceed expectations of the most demanding architects and design professionals. The DL Series Tubular Lock is easy to install and is built with the quality you expect. All Studio Collection and Coastal Series levers, as well as standard levers, can be used with the DL series.



6500 Line

The 6500 Line is a standard duty lock designed for increased usability. Created to exceed ANSI/BHMA Grade 2 standards, this lock is non-handed and has 6 available finishes to match your facility's existing aesthetic.



8X Line

This ANSI/BHMA Grade 1 knob lock is designed and tested for robust applications. The versatile design of this line is capable of satisfying all door requirements, allows for easy installation and is available in a number of finishes to match your facility's existing aesthetic.



The 6 Line is a standard duty lock line that incorporates a broad spectrum of functions, designs and finishes for a truly customized feel. Installation and maintenance are made simple with the 6 Line, only requiring two lockbody screws to install.





Mortise Locks

Selecting the Right Mortise Lock Solution

	8200 Series	9200 Series	7900 Series
ANSI/BHMA A156.13 Certified Operational Grade 1	✔	✔	✔
ANSI/BHMA A156.13 Certified Security Grade 1	✔	✔	
UL Listed (3 Hour)	✔	✔	✔
Warranty	10 Years	10 Years	5 Years
Buy American Act	✔	✔	✔
Windstorm Certified	✔		
Door Thickness	1 3/4"	1 3/4" to 3"	1 3/8" - 2 1/4"
Hub Material	Steel	Steel/SS Opt	Steel
Spindle Size	5/16"	5/16"	5/16"
Field Reversible Handing	✔	✔	✔
Quick Change Hand/Locking	✔	✔	✔
Thrubolted Trim	✔	✔	✔
Electrified Functions	✔	✔	✔
Electrified Options	✔		✔
Material	Solid Investment Cast Stainless Steel	Cast Stainless Steel	Steel Assembly with Hardened Steel Insert
Throw	3/4"	3/4"	3/4"
Material	Stainless Steel	Stainless Steel	Stainless Steel
Mechanical Functions	46	28	17
Finishes	14	3	14
Lever Designs	8 Standard	4 Standard	4 Standard
Knob Designs	4	1	1
Decorative Designs	Studio Collection & Coastal		Studio Collection & Coastal
Security or Patented Keying	✔	✔	✔
SFIC	✔	✔	✔

8200 Series

8200 Series

The 8200 Series mortise locks are designed and constructed with the highest quality components to provide maximum security, performance and durability. Considered the industry benchmark for all mortise locks on the market today. the 8200 Series is the first in the industry to offer a multi-functional lockbody. The robust and easy-to-install lock is a strong solution with a multitude of lever and escutcheon styles available.



BENEFITS

- Exceed independently verified testing for the strongest ad more durable mortise lock in the industry
- Provide additional resistance against vandalism and unauthorized entry for added security
- Customize with a variety of functions, lever designs and architectural finishes to match a wide range of styles and applications

9200 Series

9200 Series

Well-suited for exposed perimeter doors in commercial facilities, the 9200 Series mortise lockset provides high security, optimum performance, and exceptional durability. This high quality design is well-suited for openings subject to extreme conditions.



BENEFITS

- Enhance safety with security screws that prevent tampering of the rose
- Allow for increased functionality and added versatility with a universal, non-handed curved lip strike
- Customize with a variety of available functions, finishes, trims and add-on options



Mortise Locks

Other Available Mortise Locks

7800 Series

Designed with safety in mind, the 7800 Series knob lock is constructed from quality components – resulting in enhanced security, performance and durability. In addition to its durability, this line also features a foolproof design that allows for intuitive installation and simple maintenance.



Focusing on durability and protection, the 7900 Series is ideal for schools, apartment complexes and commercial buildings. This line offers flexibility with the option of 13 standard architectural grade finishes and 21 functions (including 4 electrical functions).



M-9200

Especially designed for high-security environments – such as detention facilities, holding areas and psychiatric facilities – the M9200 Institutional Mortise Lockset provides maximum security, exceptional durability and optimum performance.



Specialty Hardware

BHW Trim*

SARGENT's innovative BHW trim brings together polished style and durability for demanding environments such as behavioral health facilities. Understanding that patient safety and security is top priority, BHW trim's intuitive locking mechanism provides easy access for staff and patients. The integrated lever & escutcheon eliminates catch points and minimizes risk for a superior design that is safe, easy to use and aesthetically pleasing.

**Available on Mortise Locks only*



BENEFITS

- Combine durability and aesthetics with a solid feel and attractive design
- Add convenience with 37 available functions
- Stainless steel escutcheon withstands severe impact and abusive environment

ALP Push/Pull Paddle Trim*

An aesthetically pleasing alternative to standard trim, the ALP push/pull paddle trim is available on SARGENT mortise or tubular locks. Its heavy-duty design and ANSI/BHMA Grade 1 strength allow it to withstand abuse from uncompromising environments. Ideal for use in healthcare and educational facilities, this push/pull paddle trim features multiple mounting orientations, hands-free operation and a sleek aesthetic form.

**Available on Mortise and Tubular Locks*



BENEFITS

- Create comfortable target for door activation with paddle shape
- Enjoy ease of operation suitable for a variety of environments
- Incorporate non-handed design for ease of use

Specialty Hardware

Other Available Specialty Hardware

BHL Trim

As part of the Behavioral Health Series™, the SARGENT BHL trim comes packed with an array of functions and can be used on virtually any opening in a healthcare environment. With sloping surfaces and overlapping rose & lever, this series addresses common safety concerns of behavioral health facilities and is built for tough environments.



Designed to withstand extreme abuse, vandalism and malicious impact, openings are provided with additional safety with the BHD trim. This series is suitable for psychiatric and minimum security detention facilities, as well as exposed perimeter doors in commercial facilities.




EMERGENCY

Exit Devices

Selecting the Right Exit Device Solution

	80 Series	90 Series	30 Series	20 Series
ANSI/BHMA A156.3-2001 Grade 1	✔	✔	✔	✔
Panic Listed & UL Fire Listing Available	✔	✔	✔	✔
Windstorm Certified	✔			
Warranty	5 Years	5 Years	5 Years	5 Years
LEED Information Available	✔	✔	✔	✔
Electric Latch Retraction	✔			
Functions	14 & 4 Electrical	13 & 4 Electrical	6	6
Freewheeling	Optional			
Anti-Vandal Pull Plates	✔			
Standard Finishes	12	14	5	5
Antimicrobial Protection Available	✔	✔	✔	✔
Cylinders Supplied Standard	✔	✔	✔	✔
Deadlocking/Guarded Latch	Optional			
Cylinder Dogging	Optional	Optional	Optional	Optional
Stock Rail Sizes	4	4	4	4

80 Series

The SARGENT 80 Series exit device is ideal for environments that require strong and durable security solutions. Made to last the lifetime of the building, this device easily exceeds ANSI/BHMA Grade 1 requirements for cycle and strength and is available in rim, mortise, surface vertical and concealed vertical rod configurations. The 80 Series device is maintenance-free and provides unsurpassed security for any facility. Options are available for unique applications – including delayed egress, alarmed exit and electric latch retraction – making this the
go-to product for your building.



BENEFITS

- Modular design with few moving parts
- Customize with a number of finishes, add-ons and options for a variety applications



Exit Devices

Options

Latchbolt Monitor Switch (53-)

More than just rail movement sensing, the Latchbolt Monitor Switch provides true, tamper-resistant latch monitoring. This switch is activated when the rail is depressed or there is definite movement of the latch.

BENEFITS

- Add increased security with resistance against vandalism and unauthorized entry
- Allow for versatility with a line that is available for all door widths and featuring an adjustable switch bracket

Request to Exit Signal Switch (55-)

SARGENT's Request to Exit Signal Switch provides push rail monitoring. Touchbar monitoring may be used to detect egress, sound an alarm, send a signal to a remote location or to de-energize an electromagnetic lock.

BENEFITS

- Withstand tough conditions with enhanced durability and heavy-duty construction
- Seamlessly integrate with availability for all door widths
- Easily install with all wires running through the rail

Electric Latch Retraction (56-)

SARGENT's Electric Latch Retraction for the 80 series exit device provides remote-controlled latch retraction for high traffic egress doors, delivering a quiet, smooth operation. Easily installed in new or retrofit applications, the 56- features maintenance-free design with few moving parts. Each device draws less than one amp of power, allowing for simplified installation and increasing system design flexibility.

BENEFITS

- Easily install in new or retrofit applications
- Deliver ease of operation with maintenance-free design
- Withstand abusive conditions with enhanced durability

Delayed Egress (57-)

Designed for any 80 Series exit device that requires a delay to egress, this device sounds an alarm from the rail to alert personnel of an unauthorized departure attempt, subsequently delaying the exit for a period of 15 seconds and allowing for an appropriate response time to any pending violations.

BENEFITS

- Allow for increased functionality with the use of an external electromagnet at the top of the door
- Operate on 12VDC or 24VDC

Electric Dogging (58-)

Designed with convenience in mind, when the 58- is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted. When the device is re-energized or the power is interrupted, the latch(es) will extend.

BENEFITS

- Be discreet with quiet ingress and egress when dogged
- Easily use with no special power transfer required
- Meet UL requirements for Panic and Fire
- Enjoy true architectural hardware finishes consistent with BHMA/ANSI standards
- Offer a broad range of electromechanical solutions for the most demanding access/egress control applications

Electroguard Delayed Egress (59-)

Designed for any 80 Series exit device that requires a delay to egress, this device sounds an alarm from the rail to alert personnel of an unauthorized departure attempt, subsequently delaying the exit for a period of 15 seconds and allowing for an appropriate response time to any pending violations.

BENEFITS

- Allow for increased functionality with integrated, self-contained electronics
- Easily integrate into any facility with an aesthetically pleasing design

Alarmed Exit (AL)

Designed specifically for areas requiring a stand-alone alarm on outward swinging doors, SARGENT's AL exit devices are ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern. Built with an integrated alarm in the push rail, this device discourages the unauthorized use of emergency exit doors, with the alarm inside the rail sounding immediately upon exit.

BENEFITS

- Increase safety with low-battery alert
- Indicate visible violation with red LED light

SARGuide (SAR)

Meant to enhance the visibility of exit locations, the SARGuide™ exit device features an illuminated touchpad and acts as a supplement to existing codes. This device adds increased safety in low-visibility conditions, allowing an extended opportunity for safe emergency exit.

BENEFITS

- Enhance visibility of exit locations with illuminated touchpad
- Provide enhanced night vision with blue/green color
- Increase safety with added durability – operation continues even if pierced



Exit Devices

Other Available Exit Devices

90 Series

The 90 Series features a wide and narrow stile that includes concealed and surface vertical rods, rims and mortise. All crossbar assemblies are brass, bronze, stainless steel or steel, providing a classic crossbar look, ideal for historic preservation projects.



A rugged device, the 30 Series features tapered push rail and angled covers. Available with 4 different functions and various trim selections, this series allows for easy installation and maintenance.



20 Series

For a truly versatile device, the 20 Series is offered with 4 available functions. This rugged device is built to last while meeting safety standards. This series features a push-rail that extends completely across the door.





Multi-Point Locks

Selecting the Right Multi-Point Lock Solution

	7000 Series	FM7300 Series
ANSI/BHMA A156.3 Certified Grade 1		✔
UL-cUL Fire Listing Available	✔	✔
Windstorm Certified	Hurricane Rated - Florida Building Code (FBC)	Tornado Rated - FEMA P-320 (2014); FEMA P-361 (2015); ICC 500 (2014)
Warranty	5 Years	7 Years
LEED Information Available	✔	✔
Mechanical Functions	9	7
Base Metals on Finished Parts	Steel, Stainless Steel, Brass	Steel, Stainless Steel, Brass
Lever Designs Available	60	56
Freewheeling	✔	✔
Finishes	12	14
Antimicrobial Protection Available	✔	✔

7000 Series

Looking for a multi-point lock that is both flexible and reliable? The 7000 Series multi-point concealed vertical rod provides what you're looking for– offering 36 functions for use with a number of door types. Ideal for a wide variety of applications, this lock features heavy duty construction for strength and durability to withstand abusive environments – including commercial, educational and healthcare facilities.



BENEFITS

- Customize with a variety of electromechanical solutions available, including bolt monitoring, solenoid activated trim and inside and outside lever monitoring
- Eliminate the need for automatic flushbolts and coordinators
- Use this clean simple design with concealed rods with decorative Studio Collection levers

FM7300 Series

Available in multiple function and trim combinations, the FM7300 Series offers the flexibility needed to accommodate a full range of door opening solutions including electronic access control with the reliability and durability needed for extreme conditions. Capable of withstanding high wind speeds and flying debris, the rugged design helps secure community shelters and safe rooms.



BENEFITS

- UL-certified for both FEMA P-361 (2015) and P-320 (2014) and ICC 500 (2014)
- Utilizes proven 8200 Series mortise lock, heavy-duty steel components, and four latching points
- Vertical latch dogging feature available for easier daily use
- Adjustable top and bottom rods from center case to prevent bolt drag from warped door conditions

This multi-point deadlocking storm shutter system was developed to help protect lives and is ideal for community shelters and safe rooms. The sturdy, heavy-duty steel components of this device secures window openings during a windstorm event.



Door Control

Selecting the Right Door Closer Solution

	281 Series	351 Series	422 Series	1431 Series	1331 Series
ANSI/BHMA A156.4, Grade 1	✔	✔		✔	✔
UL/cUL Listed	✔	✔	✔	✔	✔
Warranty	25 Years	25 Years	10 Years	25 Years	25 Years
Cycles	25 Million	10 Million		15 Million	
ADA Compliant	✔	✔	✔	✔	✔
Cam Action Design			✔		
Rack and Pinion	✔	✔		✔	✔
Body Material	Cast Iron	Cast Aluminum	Cast Aluminum	Cast Aluminum	Cast Aluminum
Multi-Sized Spring Power 1-6	✔	✔	✔	✔	✔
Closer Projection	2-3/16″	2-3/8″	2-5/8″	2-1/4″	2-1/8″
Recommended Door Weight - 250 lbs	✔	✔	✔	✔	✔
Finishes	17	17	16	17	6
Heavy Duty Arms	7	7		6	6
Track Standard			✔		
Piston Diameter	1-1/2″	1-1/2″	1-1/2″	1-1/2″	1-1/4″

Door Closers

Engineered to meet the demands of architects and building owners alike, SARGENT offers several types of door closers: cam action, surface mounted and concealed. These closers are well-suited for most exterior and interior applications.

281 Series



A complete line of closers for interior and exterior doors, the 281 Series Powerglide® line brings together quality and flexibility engineered to meet the demands of architects and building owners.

BENEFITS

- Easily install full-size, cast iron closer with heavy-duty mounting bracket
- Permit a variety of installations with versatile mounting applications
- Add versatility with interchangeable forged steel arms between SARGENT 351, 1431 and 281 Series
- Operate effectively in extreme heat and cold conditions with all-weather fluid

351 Series



The 351 Series Powerglide® line of surface door closers combine quality and flexibility to meet virtually every application for both interior and exterior doors.

BENEFITS

- Add versatility with interchangeable forged steel arms between SARGENT 351, 1431 and 281 Series
- Permit a variety of installations with versatile mounting applications
- Meet ADA requirements in all applications*

**Except Push Side Track applications*



Door Control

422 Series



For high performance, light-to-open doors that meet ADA requirements, the 422 Series cam action closer ensures the perfect amount of closing force to handle a wide range of environments. Built to protect the door and frame, this Series offers products that are aesthetically pleasing, compact and unobtrusive. These closers are ideal for high-traffic conditions.

BENEFITS

- Customize with a number of finishes and add-on options
- Meet ADA requirements in push or pull track applications
- Operate effectively in extreme heat and cold conditions with all-weather fluid

1431 Series



The 1431 Series is a complete line of surface door closers for interior and exterior doors. Installation and maintenance are made easy with a full complement of arm types and front-facing valves.

BENEFITS

- Allow for easy adjustment with front-facing control valves
- Add strength and durability with heavy-duty construction
- 1-1/2" diameter piston for superior door control
- Add versatility with interchangeable forged steel arms between SARGENT 351, 1431 and 281 Series
- Meet ADA requirements in all applications (except Push Side Track applications)



1331 Series

ANSI/BHMA Grade 1 fully adjustable closer, available with a selection of arms and accessories. The 1331 Series door closer can be used for most common applications and is ideal for standard duty installations.



BENEFITS

- Retrofit with numerous competitor closers
- Interchange universal body for all applications
- Meet ADA requirements, ANSI/BHMA A117.1 and exterior doors



Door Control

Other Available Door Closers

268 Series

The SARGENT 268 Series door closer provides security and aesthetics by completely hiding the door closer, track and arm in the door and frame. When security is desired, the concealed nature of the 268 closer provides a high degree of resistance to abuse since the arm, track and closer are completely concealed when the door is closed. The closer's concealment is also ideal for high end architectural openings.



269 Series

The SARGENT 269 Series door closer is the ideal solution for applications requiring a concealed door closer on heavy, large doors opening to 180°. The closer is specially designed to provide strong closing power at opening angles beyond 100° when many concealed closers lose power.





278 Series

The 278 Series is a concealed door closer with an exposed arm that is a rugged exit device in surface vertical rod and rim designs. This series can be adjusted to meet ADA conditions or other reduced opening force requirements.



1131 Series

The 1131 Series door closer is fully adjustable from sizes 1 to 6. Ideal for use on aluminum storefronts and other medium traffic, commercial applications, the 1131 Series closer offers proven quality, performance and reliability unmatched by the competition.





Door Control

Electromechanical Closer-Holders

2900 Series Fire Guard® Electromechanical Closer-Holder



Providing for automatic closing during fire / emergency conditions, the 2900 Series Fire Guard® offers a multi-point hold open feature that allows for the door to be held open during normal operation of the building. This closer-holder device also satisfies fire and building codes, requiring doors to be self-closing to prevent the spread of fire and smoke.

BENEFITS

- Provide flexibility with adjustable door speed, latch speed and backcheck
- Customize with a number of available finishes and add-on options
- Add increased safety with an available integrated photoelectric smoke detector

2409 Series



Feel secure knowing that the Fire Guard 2409 Series of electromechanical closer-holder release devices is designed to hold open fire and smoke rated doors until power is interrupted by a fire alarm condition or remote release switch. Available with an integrated photoelectric smoke detector for use in facilities that lack current fire/smoke detection systems or where further systems are required for additional safety.

BENEFITS

- Easily adjust for user-friendly holding power
- Customize with a number of finishes and add-on options
- Add increased safety with an available integrated photoelectric smoke detector



351 EHT/EHTD Series



With its rugged track design, the Electronic Holder Track (EHT) Series of electromechanical closer-holder release devices is designed to hold open fire rated doors until power is interrupted by a fire alarm condition or remote release switch. The 351 EHT Series is suitable for a number of manual operations, as well as non-rated doors, such as offices or conference rooms.

BENEFITS

- Easily pull or push out of "Hold Open" with adjustable holding force
- Allow for versatility with a non-handed design
- Exceed ANSI/BHMA requirements
- Customize with a number of finishes and add-on options



Door Control

Holders/Stops

590 Series



With great attention to detail and rugged design, the SARGENT line of overhead stops and holders has become the industry leader for door control products. Designed to protect the door and hardware from abuse commonly found in commercial and institutional applications, the 590 Series is a surface application suited for high traffic, exterior and interior single acting doors with two types to choose from*: Holder (stops and holds door open) and Stops (stops door only).

**All holders/stops are installed for a particular degree of Hold Open or Stop ranging from 85° to 100°*

BENEFITS

- Provide added durability for abusive conditions with a surface unit well-suited for high traffic applications
- Customize with a number of finishes and add-on options

690 Series



Implement a practical method of stopping a door while eliminating unsightly wall stops and dangerous floor stops. SARGENT overhead stops/holders are designed to protect the door and hardware from abuse commonly found in commercial and institutional applications. The 690 Series offers concealed application for high traffic, exterior or interior, single or double acting doors with two types to choose from*: Holder (stops and holds door open) and Stops (stops door only).

**All holders/stops are installed for a particular degree of Hold Open or Stop ranging from 85° to 100°*

BENEFITS

- Provide added durability for abusive conditions with a concealed unit well-suited for high traffic openings
- Add optional MicroShield® technology to suppress growth of bacteria, algae, fungus, mold and mildew

1530 Series



SARGENT overhead stops/holders are designed to protect the door and hardware from abuse commonly found in commercial and institutional applications. Implement a practical method of stopping a door while eliminating unsightly wall stops and dangerous floor stops. The 1530 Series is a surface application for medium traffic, interior single acting doors and offers 3 types to choose from: Friction Hold Open (F), Stop Only (S) and Hold Open (H).

BENEFITS

- Provide added durability for abusive conditions with a concealed unit well-suited for medium traffic openings
- Customize with a number of finishes and add-on options
- Deliver ease of operation with a non-handed design

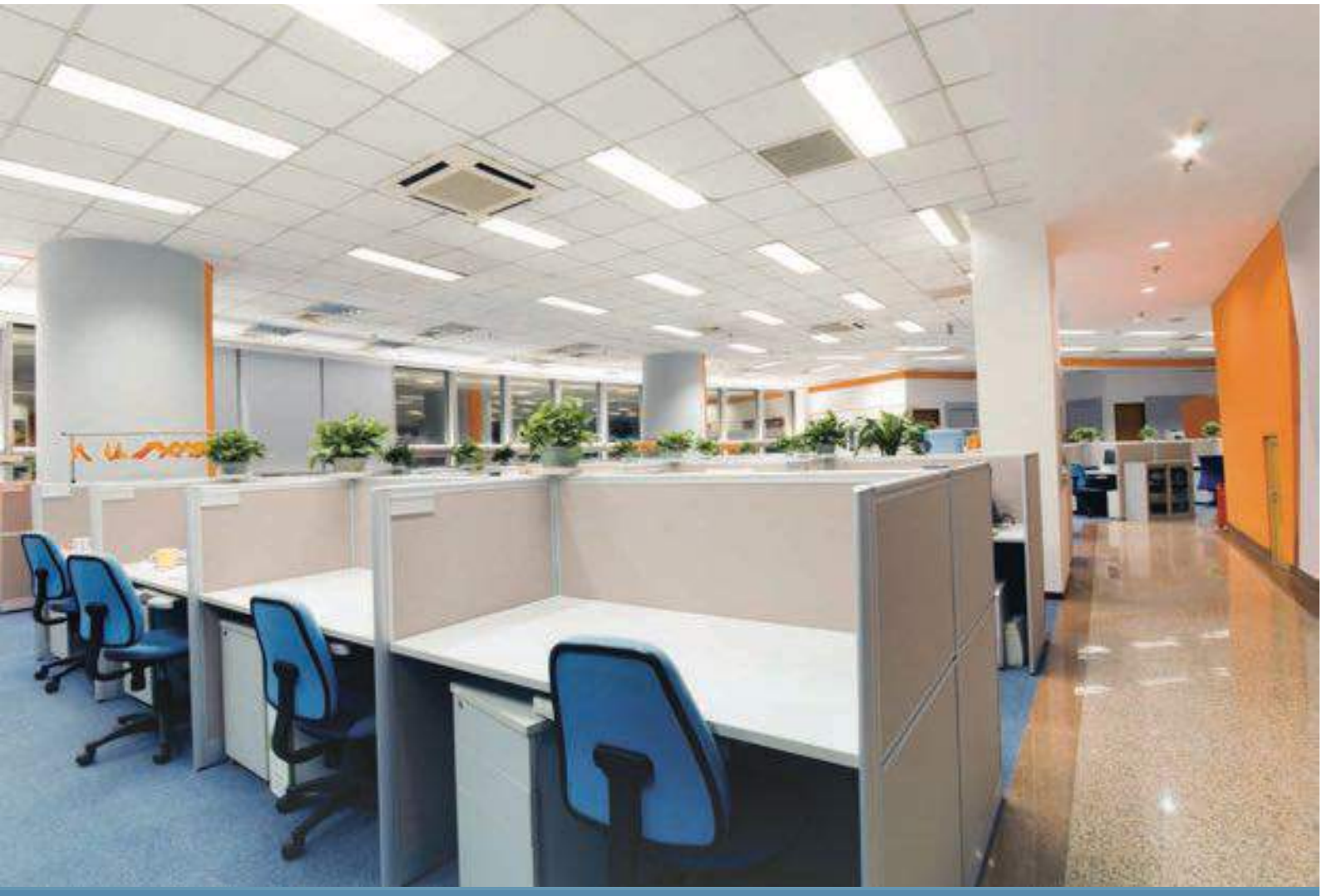
1540 Series



Implement a practical method of stopping a door while eliminating unsightly wall stops and dangerous floor stops. SARGENT overhead stops/holders are designed to protect the door and hardware from abuse commonly found in commercial and institutional applications. The 1540 Series is a surface application for interior single acting doors and offers 3 types to choose from: Friction Hold Open (F), Stop Only (S) and Hold Open (H).

BENEFITS

- Provide added durability for abusive conditions with a concealed surface unit well-suited for medium traffic applications
- Deliver ease of operation with a non-handed design
- Combine a practical door-stopping method with attractive design
- Customize with a number of finishes and add-on options



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For additional information, contact your ASSA ABLOY Door Security Solutions sales consultant, call SARGENT at 800-727-5477, or visit **www.sargentlock.com**

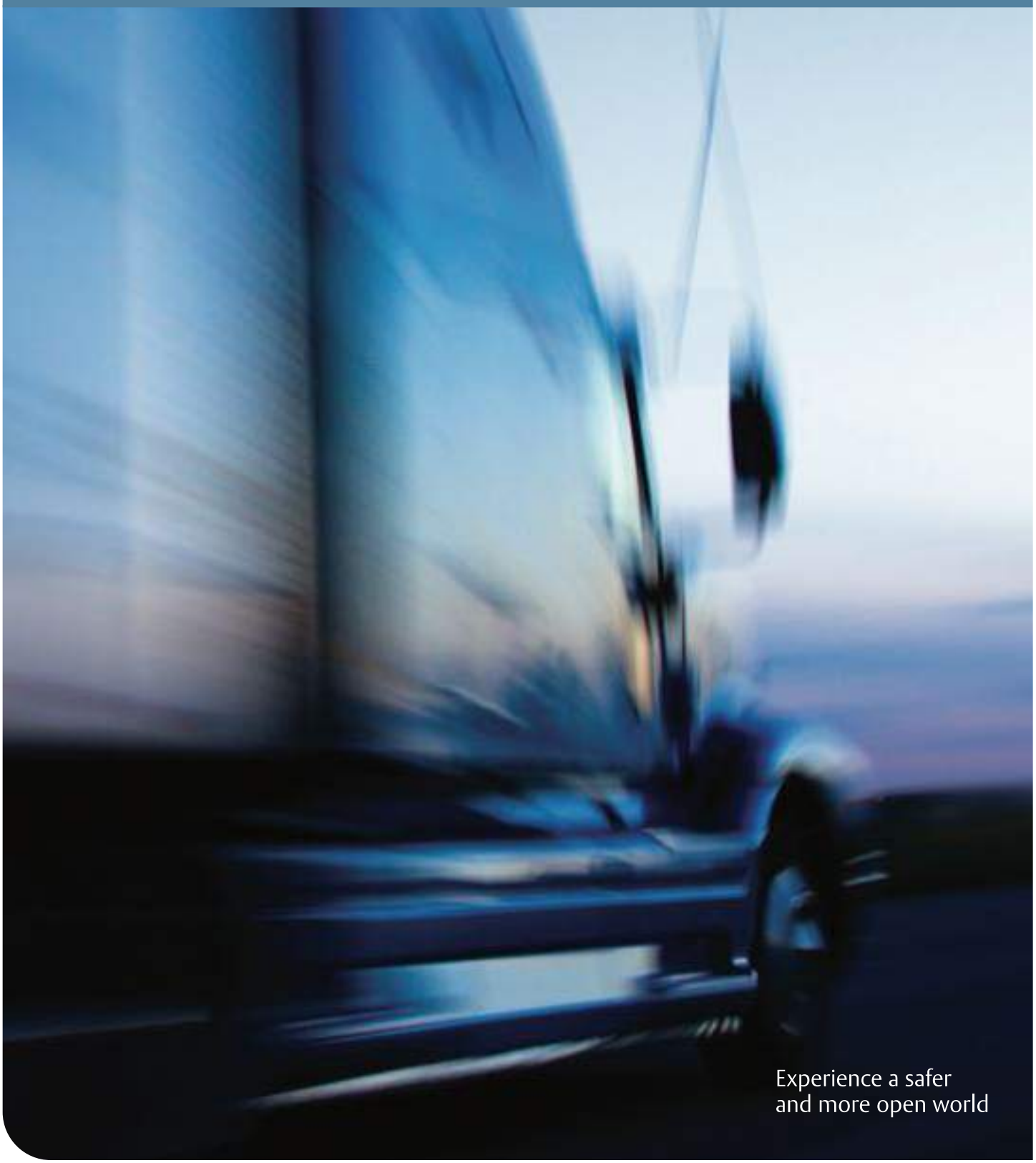
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TurboShip

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TurboShip

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General Information

TurboShip

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Program Guidelines

- Only products listed in this brochure are available on Turbo. Products not listed in this brochure will automatically be entered at standard factory production lead times
- Please refer to the SARGENT Price Book for product pricing information
- Cylinders are packed separately within the product box
- The TurboKeyway is LA, furnished with nickel silver keys, for all products requiring a keyed function
- Standard Keying - 1-BITTED (111111) keying with LA Keyway. If Keyed Different is desired, specify KD(LA)
- Electrified products offered are available in 12VDC or 24VDC
- The #34 rim and #41, #42, #47-41-101 mortise cylinders are available in LA keyway only

24-Hour

- Orders received prior to 1pm EST will ship within 24 hours
- Standard Buying Program discounts *less 10%* are automatically applied
- Electrified products – Maximum 50 locks per order
- Orders cannot be changed or cancelled

1-Week

- Orders received prior to 4:30 EST will ship within 5 working days
- Standard Buying Program discounts apply
- Project quote discount *less 5%* is automatically applied
- Orders can be changed or cancelled within 24 hrs of receipt without a fee, if manufacture of product has not started
- If product has been started, orders changed or cancelled will incur a 45% fee
- The change/cancellation fee will be billed on the Customer's original order

2-Week

- Orders received prior to 4:30 EST will ship within 10 working days
- Standard Buying Program discount or project quote discounts are applicable
- Limited to $50,000 net/net orders
- Orders changed or cancelled 3 days after receipt of order will affect the shipping date and will result in a charge of cost for materials and incurred labor
- If the product has been made, a 45% fee will apply
- The change/cancellation fee will be billed on the Customer's original order

Shipments

- All shipments are made F.O.B. factory. Shipments may be subject to small parcel handling charges and fuel surcharges as part of the freight.
- Shipping charges are prepaid and will be added to your invoice
- Prepaid freight limit of $7,000
- UPS Ground is the standard freight carrier

Returns

- Refer to the SARGENT Price Book for the policy on returned goods.

How To Order

1. Please use a separate Order Form for each Turbo Program used, Turbo - 24 -hour, 1-Week, 2-Week, or TurboKey.
2. This catalog contains one Order Form. Copy Order Forms from this catalog as needed.
   Note: The Order Form is your Purchase Order – Do not send a cover sheet. If your order is duplicated, it cannot be returned.
3. You may fax the preprinted SARGENT Turbo Program to 1-800-906-6606 or email to turboorders.sargent@assaabloy.com.
4. If you use your own purchase order forms instead of the pre-printed SARGENT form, please supply the information in the proper SARGENT nomenclature so your order can be processed without delay:

Ordering Example

Quantity	Options	Product	Trim	Finish	Hand	Rail Size
5	12	8813	ETJ	32D	RHR	G

**All orders must have complete information for processing.*
Please reference the SARGENT price book for specifics about freight and special shipping requests.

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TurboKey Information

TurboShip

General Information

1. TurboKey orders for simple Masterkeyed jobs & existing conventional cylinder systems that were developed after 1997, received prior to 3 PM EST will be scheduled to ship 8 working days after receipt of order.
2. TurboKey orders for simple Masterkeyed jobs are available in SARGENT LA Keyway only.
3. TurboKey orders are available in conventional 6 pin cylinders only, Prefixes are not available.
4. Buying Program discount is automatically applied. No additional discount may be applied.
5. TurboKey orders cannot be changed or cancelled.

Program Guidelines

- All products available on 1 week Turbo are available on TurboKey. Products not listed in this brochure will be entered at standard factory lead times.
- TurboKey orders for existing conventional cylinder systems that were developed after 1997 are available in all SARGENT keyways except single keyway sections R, S, U and CR, along with C Keyway
- Orders must be received on the provided TurboKey forms
- NO changes or cancellations will be allowed
- Stamping of keysets on keys (only) available. Key stamping…DO NOT duplicate etc., NOT available.
- 2 keys per cylinder will be provided. NO Exceptions
- One Masterkey system per order
- 6 masterkeys will be provided with each order
- NO door schedules or key schedules will be accepted as orders
- NO cross-keying
- No Degree, Keso F1, KESO, XC, Signature, 5100/6300 LFIC (Removable) Cores, or Best I.C.
- Additions to existing TurboKey generated systems. Please note that these orders DO NOT go through keying review. Keysets will be furnished as ordered. Please refer to the bitting list that was provided with the original order for keyset information
- Key Registration number must be furnished with order number

Simple Masterkey System Guidelines

- All General Guidelines apply as noted above
- LA Keyway ONLY
- Simple level 2 Masterkey systems only
- Construction keying 21 option (lost ball) available (22-NOT available)
- Maximum of 150 keyed cylinders per order; Maximum of 50 keyed cylinders per order for existing systems
- 3 construction keys will be provided on 21 option construction key systems
- For new Masterkey systems or additions to TurboKey generated systems only. Expanded bitting lists will be provided to the distributor on every order. Orders with less than 40 changes, expansion will be 60 total. Orders with greater than 40 changes, expansion will be 256 changes.
- For NEW masterkey systems or TurboKey generated systems or TurboKey generated systems ONLY.
- TurboKey system numbers begin with LT

How to Order

1. Orders must be received on the Order Forms provided and specified as a TurboKey Program Order.
2. Please do not combine with any other orders.
3. Order Forms are your Purchase Orders –
   Do not send a cover sheet. If your order is duplicated, it cannot be returned.
4. You may fax the preprinted SARGENT Turbo Program order forms to 1-800-906-6606 or email to usnew.orderentry@assaabloy.com.

Returns

- Refer to the SARGENT Price Book for the policy on returned goods

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Cylinders

Bored Lock & Mortise Lock Cylinders





Cylinders and keys provide the right level of control with a full range of options.

Bored Lock Cylinders

Program	Options	Cylinder Type	Finishes
1-Week & 2-Week	KD	C10-1	04, 15

Mortise Cylinders

Program	Options	Cylinder Type	Finishes
24-Hour	KD, SC*, 60	34 41	32D
1-Week & 2-Week		34 41 42 41-101	03, 04, 10,10B, 10BE, 32, & 32D

Options

KD	Keyed Different
SC	Schlage "C" Keyway
60	Disposable Construction Core

Finishes

03	Bright Brass
04	Dull Brass
10	Satin Bronze
10B	Oxidized Satin Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
32	Bright Stainless Steel
32D	Satin Stainless Steel

Cylinder Types

34	Rim Cylinder
41	Mortise Cylinder (1-1/8")
42	Mortise Cylinder (1-1/4")
41-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)
42-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)
C10-1	10, 7, 6500 Line Cylinder

** Not available with 41 or 42 cylinders*

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Cylinders

Parts

Program	Part #	Description	Cylinder/ Product	Finish	Keyways	Restricted Keyways
1-Week & 2-Week	13-2005	Body & Slide Assembly	34 & 41	03, 04, 10, 10B, 26, 26D, 32, 32D	N/A	N/A
	13-0664	Standard Cam	41	N/A		
	01-1121	Cam Screws				
	13-0512 (101)	Adams Rite Cam				
	13-1341	Slide*	34 & 41, 480 Line, 6 Line, 6500 Line, 7 Line, 10 Line, 11 Line			
	13-0086	Cylinder Back Plate	34			
	13-0085	Rim Tail Piece				
	13-0074	Standard Connecting Screws				
	13-0080	Plug Retainer				
	13-3257	Body & Slide Assembly	6 Line, 6500 Line, 7 Line, 10 Line, 11 Line			
	13-0908	Tail Piece	6 Line			
	13-0205	Plug Retainer	6 Line, 6500 Line, 7 Line, 10 Line, 11 Line			
	13-0401	Plug	41	04, 15	LA, LB, LC, LE, LF, LG,LJ, LK, LL, RA, RB, RC, RE, RF, RG, RJ, RK, RL	AA, AB, AC, AE, AF, AG, AJ, AK, AL, BA, BB, BC,-GA, GB, GC, GE, GF, GG, GJ, GK, GL, KA, KB, KC, KE, KF, KG, KJ, KK, KL, VA, VB, VC, VE, VF, VG, VJ, VK, VL, NA, NB, NC, NE, NF, NG, NJ, NK, NL
	13-0090		34			
	6251 CMK	Temporary Construction Removeable Core Master Key	10, 7, & 6500 Line	N/A	N/A	N/A
	6251 CTL	Temporary Construction Removeable Core Control Ckey				
	6400	Construction Core		04		
	65-6300	Unassembled Core		04, 15	LA, LB, LC, LE, LF, LG, LJ, LK, LL, HA, HB, HC, HE, HF, HG, HJ, HK, HL RA, RB, RC, RE, RF, RG, RJ, RK, RL	

** Used for cylinders manufactured after June 2009 (Sold in sets of 100 units)*

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Cylinders

Parts

Program	Part #	Description	Cylinder/ Product	Finish	Keyways	Restricted Keyways
1-Week & 2-Week	13-3142	Plug w/ Retainer	6 Line, 6500 Line, 7 Line, 10 Line, 11 Line	04, 15	LA, LB, LC, LE, LF, LG, LJ, LK, LL, RA, RB, RC, RE, RF, RG, RJ, RK, RL	AA, AB, AC, AE, AF, AG, AJ, AK, AL, BA, BB, BC, GA, GB, GC, GE, GF, GG, GJ, GK, GL, KA, KB, KC, KE, KF, KG, KJ, KK, KL, VA, VB, VC, VE, VG, VG, VJ, VK, VL, NA, NB, NC, NE, NF, NG, NJ, NK, NL
	13-3425	Plug	7 Line, 8 Line, 8x Line			
	13-0874		470, 480 7500			
	13-0895	Tail Piece	6500 Line, 7 Line, 10 Line	N/A	N/A	N/A
	13-1385		11 Line			
	13-0680	Tail Piece Retainer	6500 Line, 7 Line, 10 Line, 11 Line			
	13-3493	Body & Slide Assembly	460 Line, 470 Line, 480 Line			
	13-0875	Cap	480 Line			
	13-1554	Cap Pin	480 Line - Effective 6/03			
	13-0691					
	13-1555	Cap Spring				
	13-0693		480 Line - Prior to 6/03			
	13-0882	Tail Washer	484			
	13-0883		464, 465, 485, 486, 487			
	13-0884	Blocking Piece	460, 470, 480			
	13-0878	Tail Piece	464, 474,484			
	13-0880		465, 485, 487			
	13-0881		475, 486			
	13-2048	Body & Slide Assembly	8 and 9 knobs			
	06-0166	Plug w/ Retainer	7,8,9 knobs (prior to March 2005)			

** Discontinued product*

*** Used for Cylinders manufactured after June 2008 (sold in sets of 100 units)*

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Cylinders

Parts

Program	Tool #	Description
1-Week & 2-Week	436-1	Slide Block Kit
	432RC	LFIC Installation Tool
	432IC	SFIC Installation Tool
	13-0064 Size 1 13-0065 Size 2 13-0066 Size 3 13-0067 Size 4 13-0068 Size 5 13-0069 Size 6 13-0070 Size 7 13-0071 Size 8 13-0072 Size 9 13-0073 Size 10 13-0061 Size 12 13-0062 Size 13 13-0063 Size 14	Bottom Pins
	13-0051 Size 2 13-0052 Size 3 13-0053 Size 4 13-0054 Size 5 13-0055 Size 6 13-0056 Size 7 13-0057 Size 8 13-0058 Size 9 13-0059 Size 10 13-0060 Size 11 13-0061 Size 12 13-0062 Size 13 13-0063 Size 14	Master Pins (Splits)
	13-0265 13-1769	Springs
	437S 437RC 437DG1 437DGM	Keying Kits
	13-1341	Slide

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Cylinders

Degree Parts

Program	Option	P/N	Description	Finishes
1-Week & 2-Week	DG1, 60, UC	34	Rim Cylinder	03, 04, 10, 10B, 10BE, 15, 32, 32D
		41	Mortise Cylinder (1-1/8")	
		42	Mortise Cylinder (1-1/4")	
		41-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)	
		42-101	Mortise Cylinder with 101 Cam (13-0512) - (Adams Rite 1850 & 4700)	
	DG1, UC	C10-1	10, 7, 6500 Line Cylinder	
	DG1, UC	6300	LFIC Cylinder	04, 15

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Cylinders

Degree Parts

Program	P/N	Desc.	Finishes	Product
1-Week & 2-Week	DG-2894	Plug	04, 15	34
	DG-2911			41
	DG-2912			42
	DG-4653	Cylinder Shell	03, 04, 10, 10B, 26, 26D	34
	DG-4001			41
	DG-4002			42
	DG-0001	Standard Cam		41, 42
	DG-0016	Cam Screws		41, 42
	DG-0090	Retainer		34
	DG-0195	Tailpiece Retainer		34
	DG-0196	Rim Tail Piece		34
	DG-0040	Spring Cover		34, 41, 42
	13-0074	Standard Connecting Screws		34
	13-0086	Rim Cylinder Back Plate		34
	DG-3061	Plug w/Retainer	04, 15	6 Line, 6500 Line, 7 Line, 10 Line, 11 Line
	DG-0171	Cylinder Shell		6 Line, 6500 Line, 7 Line, 10 Line, 11 Line
	13-0680	Tail Piece Retainer		6500 Line, 7 Line, 10 Line, 11 Line
	13-0895	Tail Piece		6500 Line, 7 Line, 10 Line
	13-0907			6 Line (S & N knobs)
	13-0908			6 Line (B knob)
	13-1385			11 Line
	DG-0090	Plug Retainer		6 Line, 6500 Line, 7 Line, 10 Line, 11 Line
	13-1341	Spring Cover		6 Line, 6500 Line, 7 Line, 10 Line, 11 Line
	DG-0200	Plug	04, 15	6300
	DG-0290	Cylinder Shell	04, 15	
	DG-0215	Control Sleeve		
	DG-0097	Compression Spring, LFIC		
	DG-0017	Compression Spring		
	DG-0090	Plug Retainer		
	DG-0059	Sidebar Spring		
	DG-0056	Sidebar		
	DG-0040	Spring Cover		
	437DG1	Pin Kit		DG1 Only
	DG-0027	0 Bottom Pins		All Cylinders
	DG-0021	1 Bottom Pins		
	DG-0022	2 Bottom Pins		
	DG-0023	3 Bottom Pins		
	DG-0024	4 Bottom Pins		
	DG-0025	5 Bottom Pins		
	DG-0026	6 Bottom Pins		
	DG-0051	1 Master Pins		
	DG-0052	2 Master Pins		
	DG-0053	3 Master Pins		
	DG-0054	4 Master Pins		
	DG-0055	5 Master Pins		
	DG-0246	6 Master Pins		
	DG-0051	1 Top Pins		
	DG-0052	2 Top Pins		
	DG-0053	3 Top Pins		
	DG-0054	4 Top Pins		
	DG-0045	5 Top Pins		
	DG-0044	6 Top Pins		
	DG-0043	7 Top Pins		
	DG-0042	8 Top Pins		
	DG-0041	9 Top Pins		
	DG-0246	6 Top Pins		
	DG-0247	7 Top Pins		
	DG-0248	8 Top Pins		
	DG-0249	9 Top Pins		
	DG-0250	10 Top Pins		
	DG-0251	11 Top Pins		
	DG-0252	12 Top Pins		
	DG-0017	Compression Spring		

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Cylinders

Keyblanks

Program	Tools	Description	Keyways	Restricted Keyways
1-Week & 2-Week	6275	6 Pin Change/ Day Keyblanks	L-Series: LA, LB, LC, LE, LF, LG, LJ, LK, LL H-Series: HA, HB, HC, HE, HF, HG, HJ, HK, HL R-Series: RA, RB, RC, RE, RF, RG, RJ, RK, RL	A-Series: AA, AB, AC, AE, AF, AG, AJ, AK, AL B-Series: BA, BB, BC, BE, BF, BG, BJ, BK, BL G-Series: GA, GB, GC,GE, GF, GG, GJ, GK, GL K-Series: KA, KB, KC, KE, KF, KG, KJ, KK, KL N-Series: NA, NB, NC, NE, NF, NG, NJ, NK, NL V-Series: VA, VB, VC, VE, VF, VG, VJ, VK, VL
	11-6275	6 Pin Change/ Day Keyblanks	L-Series: LA, LB, LC, LE, LF, LG, LJ, LK, LL R-Series: RA, RB, RC, RE, RF, RG, RJ, RK, RL	N/A
	6 Pin Keyblanks (6285B)	Small Format 6 or 7 Pin Keyblanks	4A	4B
	7 Pin Keyblanks (7285B & 11-X7285B)			
	6270	6 Pin Master Keyblanks	L-Series: LD, LH, LM, LN, LDH, LDM, LHM H-Series: HD, HH, HM, HN, HDH, HDM, HHM R-Series: RD, RH, RM, RN, RDH, RDM, RHM	A-Series: AD, AH, AM, AN, ADH, ADM, AHM B-Series: BD, BH, BM, BDH, BDM, BN G-Series: GD, GH, GM, GN, GDM, GHD, GHM K-Series: KD, KH, KM, KN, KDH, KDM KHM N-Series: ND, NH, NM, NN, NDH, NDM, NHM V-Series: VD, VH, VM, VN, VDH, VDM, VHM
	11-6270	6 Pin Master Keyblanks (XC Cylinders)	L-Series: LD, LH, LM, LN, LDH, LDM, LHM R-Series: RD, RH, RM, RN, RDH, RDM, RHM	L Series: LD, LH, LM, LN, LDH, LDM, LHM R Series: RD, RH, RM, RN, RDH, RDM, RHM

Note:
Restricted Keyblanks require a copy of end users Purchase Order or letter of authorization w/purchase order.

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Cylinders

Degree Keyblanks

Program	6 Pin Change/Day Keyblanks	Patented Keyways
1 Week & 2 Week	DG6275	DG1: TA, TB, TC, TE, TF, TG, TJ, TK, TL
	DS6275	DG2, DG3: TA, TB, TC, TE, TF, TG, TJ, TK, TL
	DG6270	DG1: TD, TH, TM, TDH, THM, TN
	DS6270	DG2, DG3: TD, TH, TM, TDH, THM, TN

Degree DG1 Required Administrative Documents

All Degree DG1 Keyblank turbo ship orders require a system registration number and a letter of authorization if the product is shipped to an address other than what's recorded on the System Information Document and/or if the address on the purchase order is different than what is listed on the System Information Document.

Degree DG2 & DG3 Required Administrative Documents

A specific randomized security code will be required for each order unless "Opt-Out" has been authorized by the system administrator.

If the "Opt-Out" option is NOT selected

- A correct system specific (randomized) security code must be included with each subsequent order.

  *Security codes are specific to each order.
- If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representative of the facility must accompany the order.
- Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
- Letter of Authorization will not be kept on file at factory
- Without the proper security code, Letter of Authorization, or if the shipping address is other than what is listed on the System Information Document, the order cannot be processed.

If the "Opt Out" option WAS selected

- If the shipping address is other than the one listed on the System Information Document, a Letter of Authorization signed by one of the recorded authorized representative of the facility must accompany the order.
- Letter of Authorization must be signed by one of the facility's authorized representatives.
- Letter of Authorization must contain the same shipping address that appears on the customer's purchase order.
- Letter of Authorization will not be kept on file at factory

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Bored Locks

11 Line



The SARGENT® 11 Line sets a higher standard for Grade 1 bored-in locks. The unique T-Zone® construction provides unequaled strength and durability for the most demanding applications such as schools and hospitals. This is accomplished by true interlocking between the lockbody and the latch far exceeding the ANSI/BHMA A156.2 Series 4000 Grade 1 standards like no other lock can.

Program	Options	Functions	Rose	Lever	Finishes
1-Week	30, 60, 70, KD, LC, SC, WBS	28-11G04, 28-11G05, 28-11U15*, 28-11G16, 28-11G24, 28-11G37, 28-11G38, 28-11G54, 28-11U65*	L, O	B, L	10BE, 26D
2-Week			B, L,		

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

WBS	Wrought Box Strike

Finishes

10BE	Dark Oxidized Satin Bronze - Equivalent
26D	Satin Chrome

** Cylinder options are not available*

Functions

28-11G04	Storeroom
28-11G05	Office
28-11U15*	Passage
28-11G16	Classroom/Security
28-11G24	Entrance/Office
28-11G37	Classroom
28-11G38	Security Classroom
28-11G54	Corridor
28-11U65*	Bathroom/Privacy

B Lever



L Lever



B Rose
(2-3/4" Diameter)

L Rose
(3-1/2" Diameter)



O Rose
(2-3/4" Diameter)



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Bored Locks

10 Line

The SARGENT® 10 Line is a heavy duty cylindrical key-in-lever handle lockset that far exceeds the ANSI/BHMA A156.2 Series 4000 Grade 1 standards. At over 10 million cycles, the 10 Line withstands more than ten times the standard without allowing entry, and is designed to conform to national and state fire and handicapped requirements.



B Lever



J Lever



L Lever



P Lever



G Rose
(3-1/2" Diameter)



L Rose
(3-1/2" Diameter)



Program	Options	Functions	Rose	Lever	Finishes
24-Hour	KD	28-10G04, 28-10G05, 28-10U15*, 28-10G37, 28-10U65*	G, L	B, L	26D
1-Week	30, 60, 70, FW, KD, LC, RX, SC, WBS	28-10G04, 28-10G05, 28-10U15*, 28-10G15-3*, 28-10G16, 28-10G24, 28-10G37, 28-10U65*, 28-10G70**, 28-10G71**, 10U93*, 10U94*		B, J, L, P	10B, 10BE, 26, 26D
2-Week					03, 04, 10, 10B, 10BE, 26, 26D

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

FW	Freewheeling (not available with J lever)
RX	Available on 10G70 and 10G71 only
WBS	Wrought Box Strike

Finishes

03	Bright Brass
04	Dull Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
26	Bright Chrome
26D	Satin Chrome

Functions

28-10G04	Storeroom
28-10G05	Office
28-10U15*	Passage
28-10G15-3*	Exit or Twin Communicating
28-10G16	Classroom Security Apartment/ Exit/ Privacy
28-10G24	Entrance/Office
28-10G37	Classroom
28-10U65*	Bathroom/Privacy
28-10G70**	Fail/Safe
28-10G71**	Fail/Secure
10U93*	Single Lever Pulls
10U94*	Double Lever Pulls

Voltage (Available on 10G70 and 10G71 only)

12V
24V

** Cylinder options are not available*
*** Electrified products have a total maximum quantity of 50 locks per order*

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Bored Locks

7 Line



The SARGENT 7 Line is a key-in-lever lock designed for standard duty commercial interior and exterior applications in public buildings, medical offices, hotels/motels and government facilities. Exceeds ANSI/BHMA A156.2 Grade 2 standards for cycling and durability.

Program	Options	Functions	Rose	Lever	Finishes
24-Hour	KD	28-7G04, 28-7G05, 28-7U15*, 28-7G37, 28-7U65*	L	L	26D
1-Week	1, 20, 30, 60, 70, KD, LC, SC, WBS	28-7G04, 28-7G05, 28-7U15*, 28-7G15-3*, 28-7G37, 28-7U65*, 7U93*, 7U94*		B, L, P	10B, 10BE, 26, 26D
2-Week					03, 04, 10, 10B, 10BE, 26, 26D

Cylinder Options

30	Lever to accept Schlage cylinders - no cylinder provided
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

1	for 1-3/8" thick door
20	for 2-3/8" Backset
WBS	Wrought Box Strike

Functions

28-7G04	Storeroom
28-7G05	Office
28-7U15*	Passage
28-7G15-3*	Exit or Twin Communicating
28-7G37	Classroom
28-7U65*	Bathroom/Privacy
7U93*	Single Lever Pulls
7U94*	Double Lever Pulls

Finishes

03	Bright Brass
04	Dull Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
26	Bright Chrome
26D	Satin Chrome

B Lever



L Lever



P Lever



L Rose
(3-1/2" Diameter)



** Cylinder options are not available*

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Bored Locks

6500 Line

A standard duty key-in-lever lock designed to exceed the requirements of ANSI/BHMA A156.2 Series 4000 Grade 2.



L Lever



K Rose



Program	Options	28-6500 Line x Functions	Rose	Lever	Finishes
1-Week & 2-Week	KD, SC, 20, LC, WBS	28-65G04, 28-65G05, 28-65U15*, 28-65G37, 28-65U65*, 65U93*, 65U94*	K	L	03, 04, 10B, 26D

Cylinder Options

KD Keyed Different (LA Keyway Only)
SC Schlage "C" Keyway
LC Less Cylinder

Mechanical Options

20 for 2-3/8" Backset (160 prep)
WBS Wrought Box Strike

Functions

28-65G04 Storeroom
28-65G05 Office
28-65U15* Passage
28-65G37 Classroom
28-65U65* Bathroom/Privacy
65U93* Single Lever Pulls
65U94* Double Lever Pulls

Finishes

03 Bright Brass
04 Dull Brass
10B Oxidized Dull Bronze
26 Bright Chrome
26D Satin Chrome

** Cylinder options are not available*

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Bored Locks

8X Line



The SARGENT 8X Line is designed and tested for robust applications. The ANSI/BHMA A156.2 Grade 1 bored-in lock is a worry free solution.

Program	Options	Functions	Rose	Knob	Finishes
24-Hour	WBS	28-8XG04, 28-8XG05, 28-8XU15, 28-8XG17, 28-8XG37, 28-8XU65, 28-8XU93	L	B	32D
1-Week					10BE, 32D
2-Week					03, 10BE, 32D

Finishes

03 Bright Brass
10BE Dark Oxidized Satin Bronze - Equivalent
32D Satin Stainless Steel

Mechanical Options

WBS Wrought Box Strike

Functions

28-8XG04 Storeroom
28-8XG05 Office
28-8XU15 Passage
28-8XG17 Utility
28-8XG37 Classroom
28-8XU65 Bathroom/Privacy
28-8XU93 Single Knob Pulls

B Knob



L Rose
(3-1/2" Diameter)



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Bored Locks

6 Line

The 6 Line is a standard duty knob lock line. This ANSI/BHMA A156.2 Grade 2 bored lock is suited for apartments, hotels and commercial buildings.



B Knob



O Rose



Program	Options	Functions	Rose	Knob	Finishes
1-Week & 2-Week	24, 28, WBS	6G04, 6G05, 6U15, 6G37, 6U65	O	B	26D

Mechanical Options

24- 2-3/4" (70mm) backset
28- 4-7/8" (124mm) ANSI curved lip strike # 808
WBS Wrought Box Strike

Finishes

26D Satin Chrome

Functions

6G04 Storeroom
6G05 Office
6U15 Passage
6G37 Classroom
6U65 Bathroom/Privacy

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Bored Locks

HP ALP Trim



The HP Series Bored Lock with ALP push/pull trim provides an aesthetically pleasing alternative to standard push/pull products. Ease of operation allows its use in many environments, including healthcare and education. The paddle shape and location create a comfortable target for door activation without using hands.

Program	Options	Functions	Trim	Finishes
1-Week & 2-Week	14, 24, 28, WBS	HPU15, HPU65*	ALP	32D

Mechanical Options

14- 505 Full Lip Strike
24- 2-3/4" (70mm) backset
28- 4-7/8" (124mm) ANSI curved lip strike # 808
WBS Wrought Box Strike

Functions

HPU15 Passage
HPU65 Privacy*

Finishes

32D Satin Stainless Steel

Hand

LH Left Hand
RH Right Hand

Note: Maximum quantity of 15 units per order

** Handed*

Passage



Privacy



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Bored Locks

DL Series

The DL Series tubular lock is designed for ease of installation with the quality you expect from the SARGENT name. The DL Series exceeds the expectations of the most demanding architects and design professionals. All Studio Collection and Coastal Series levers, as well as standard levers, can be used with the DL Series.



MD Lever


ME Lever


MG Lever


MI Lever


MJ Lever

MS Lever


MU Lever


MV Lever


ND Lever


NJ Lever


NS Lever


NU Lever


REM Lever


LN Rose


O Rose


Program	Options	Functions	Rose	Lever	Finishes
1-Week	12-, 14-, 20-, 28-, WBS-	DLU15, DLU15-3, DLU65, DLU93, DLU94	LN*, O	MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 15, 26, 26D, 32D
2-Week				MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU REM (32D only)	03, 10, 10B, 10BE, 15, 26, 26D, 32D

Cylinder Options

12	UL Listed for 3 hour fire rated doors
14	505 Full lip strike
20	2-3⁄8" backset latch with square corner front 2-1/4" x 1" front
28	Strike #808. Lip length 1-1⁄4"
WBS	Wrought box strike

Finishes

03	Bright Brass
10	Satin Bronze
10B	Oxidized Satin Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26	Bright Chrome
26D	Satin Chrome
32D	Satin Stainless Steel (Available with REM only)

Note: Maximum quantity of 100 units per order

Functions

DLU15	Passage
DLU15-3	Communicating set
DLU65	Privacy set
DLU93	Single lever pull
DLU94	Double lever pull

Hand

LH	Left Hand
RH	Right Hand

** Available with DLU93 and DLU94 functions only*

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Bored Locks

10 Line, 7 Line and 6 Line Parts

10 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	10-3192	Latches - Guarded - 2-3/4" BS	03, 04, 10, 10B, 32D
	10-2022	Latches - Unguarded - 2-3/4" BS	
	10-0798	Inside and Outside Rose Scalp - L	26D
	10-0790	Inside and Outside Rose Scalp - G	
	10-3048	Inside Rose Assembly	Standard
	10-3049	Outside Rose Assembly	

7 Line & 10 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	10-0501	Levers - I/S or O/S "L" design, Passage	26D
	10-0502	Levers - I/S or O/S "L" design, Cylinder, Emerg.	
	10-0503	Levers - I/S or O/S "L" design, Turn, 30 option	
	10-0523	Levers - I/S or O/S "B" design, Passage	
	10-0524	Levers - I/S or O/S "B" design, Cylinder, Emerg.	
	10-0525	Levers - I/S or O/S "B" design, Turn, 30 option	
	10-0545	Levers - I/S or O/S "P" design, Passage	
	10-0546	Levers - I/S or O/S "P" design, Cylinder, Emerg.	
	10-0547	Levers - I/S or O/S "P" design, Turn, 30 option	
	10-2070	Screw Packs (28-)	03, 04, 10, 10B, 26, 26D
	10-2052	Screw Packs (Standard)	

7 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	07-2430	Latches - Guarded - 2-3/4" BS	03, 04, 10, 10B, 32D
	07-2432	Latches - Unguarded - 2-3/4" BS	
	07-0111	Rose Scalp (All functions)	03, 04, 10, 10B, 26D
	07-2425	Inside Rose Body (all except 94, 94-2)	Standard
	07-2426	Outside Rose Body (all except 93, 94, 94-2, 15-3)	
	07-2648	1-3/8" Door Mounting Kit	
	07-2446	Through-bolt Mounting Pack	
	07-2431	7 Line Latch (2-3/8" Guarded)	03, 10, 10B, 32D
	07-2433	7 Line Latch (2-3/8" Unguarded)	

6 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	800	Strikes	03, 04, 10, 10B, 32D
	06-5083	Latches - Guarded - 2-3/8"	
	06-5225	Latches - Unguarded - 2-3/8"	
	06-2675	Screw Packs	Standard
	06-5056	Screw Packs	
	06-5057	Screw Packs	

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Mortise Locks

8200 Series with Trim

The 8200 Series far surpasses ANSI/BHMA A156.13 Series 1000 Grade 1 certification, making it the strongest and most durable mortise lock in the industry.





Program	Options	Functions	Rose	Lever	Finishes
24-Hour	KD, RX, WBS	8204, 8205, 8215, 8225, 8237, 8265, 8270[1], 8271[1]	LN	B, J ,L, P, MD, MI	26D
1-Week	60, 70, KD, LC, LX, RX, SC, WBS	8204, 8205, 8215, 8225, 8237, 8238, 8239, 8240, 8241, 8243, 8245, 8255, 8265, 8270[1], 8271[1], 8272[1], 8273[1], 8293, 8294	LN, LW1[3], O, WT[3]	B, J, L, P, MD[2], ME[2], MG[2], MI[2], MJ[2], MV[2], ND[2], NJ[2], REM (32D Only)	10B, 10BE, 15, 26, 26D, 32D
2-Week				B, J, L, P, MD[2], ME[2], MG[2], MI[2], MJ[2], MS[2], MU[2], MV[2], ND[2], NJ[2], NS[2], NU[2], REM (32D Only)	03, 10, 10B, 10BE, 15, 26, 26D, 32D

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
RX	Request to Exit
SC	Schlage "C" Keyway
WBS	Wrought Box Strike
LX	Latchbolt Monitor

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26	Bright Chrome
26D	Satin Chrome
32D	Stainless Steel

Voltage (Available on 8270, 8271, 8272, 8273 only)

12V
24V

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8225	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239	Classroom Security with Deadbolt
8240	Classroom Security with Deadbolt
8241	Classroom Security
8243	Apartment
8245	Dormitory
8255	Office w/Toggle
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder
8272	Fail Safe - Double Cylinder
8273	Fail Secure - Double Cylinder
8293	Single Dummy
8294	Trim Dummy

Hand

LH	Left Hand
RH	Right Hand

1. Electrified products have a total maximum quantity of 50 locks per order
2. Maximum quantity of 100 units per order
3. Not available with Studio Collection Levers

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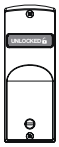
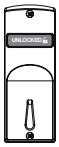
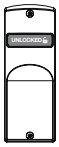
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Mortise Locks

Status Indicator Upgrade Kits



Used in a variety of applications, status indicators are most commonly used to identify occupancy or display the locked/unlocked status of a room.

Program	Model #		Used with Functions	Finishes	Available Option Codes	Indicator Location
1-Week & 2-Week	SA190		20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	26D	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside*
	SA191		36, 56, 57, 58, 67	26D		
	SA192		05, 37, 38, 59	26D		
	SA193		65, 66, 68	26D	V10, V20, V30, V40, V50, V60	Outside
	SA194		21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	26D	V01, V03, V04, V06	Inside
	SA196		56, 57, 58, 65, 67	26D		
	SA197		30, 37, PHR-NAC-82285	26D	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside, Outside

When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side. Cylinder not included.



Option Code	Wording	Color	Mounting Location
V10	Unlocked/Locked	Green/Red	Outside of Door
V20	Vacant/Occupied	Green/Red	Outside of Door
V30	Icons Only	Green/Red	Outside of Door
V40	Unlocked/Locked	White/Red	Outside of Door
V50	Vacant/Occupied	White/Red	Outside of Door
V60	Icons Only	White/Red	Outside of Door
V01	Unlocked/Locked	Green/Red	Inside of Door
V03	Icons Only	Green/Red	Inside of Door
V04	Unlocked/Locked	White/Red	Inside of Door
V06	Icons Only	White/Red	Inside of Door

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Mortise Locks

8200 Series with BHW Trim

Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety.



Program	Options	Functions	Trim	Finishes
2-Week	60, 70, KD, LC, SC, DX, LX, RX, WBS	8204, 8205, 8215, 8225*, 8237, 8238, 8239*, 8240*, 8241*, 8243*, 8245*, 8255, 8265, 8270, 8271, 8272, 8273	BHW	32D

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway
DX	Deadbolt Monitoring
LX*	Latchbolt Monitoring
RX	Request to Exit
WBS	Wrought Box Strike

Finishes

32D	Stainless Steel (REM only)

* *Latchbolt monitoring not available with deadbolt functions*

Note: BHW trim has a total maximum quantity of 15 locks per order

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8225*	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239*	Classroom Security with Deadbolt
8240*	Classroom Security with Deadbolt
8241*	Classroom Security
8243*	Apartment
8245*	Dormitory
8255	Office w/Toggle
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder
8272	Fail Safe - Double Cylinder
8273	Fail Secure - Double Cylinder

Hand

LH	Left Hand
RH	Right Hand

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Mortise Locks

8200 Series with ALP Trim



Heavy-duty push/pull hardware that is flexible, easy to use and aesthetically pleasing; it's appropriate for healthcare settings and beautiful enough for healing environments. This trim offers multiple mounting options and easy operation, even when your hands aren't free.

Program	Options	Functions	Trim	Finishes
1-Week & 2-Week	KD, LC, SC, WBS, 60, 70	8204, 8205, 8215, 8237, 8265, 8270, 8271	ALP	32D

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway
WBS	Wrought Box Strike

Finishes

32D	Stainless Steel

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8237	Classroom
8265	Bathroom
8270	Fail Safe - Single Cylinder
8271	Fail Secure - Single Cylinder

Hand

LH	Left Hand
RH	Right Hand

Note: Maximum quantity of 15 units per order

Note: See page 23 for status indicator upgrade kits

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Mortise Locks

8200 Series Lockbody Only

The 8200 Series mortise lock far surpasses ANSI/BHMA A156.13 Series 1000 Grade 1 standards, making it the strongest and most durable mortise lock in the industry.



Program	Options	Functions	Finishes
24-Hour	WBS	8204, 8205, 8215, 8225, 8237, 8265	26D, 32D
1-Week & 2 Week		8204, 8205, 8215, 8225, 8237, 8238, 8239, 8240, 8241, 8243, 8245, 8255, 8265	10B, 10BE, 15, 26, 26D, 32D

Options

WBS Wrought Box Strike

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
15	Satin Nickel
26	Bright Chrome
26D	Satin Chrome
32D	Stainless Steel

Functions

8204	Night Latch or Storeroom
8205	Office or Entry
8215	Passage
8225	Dormitory or Exit
8237	Classroom
8238	Classroom Security
8239	Classroom Security with Deadbolt
8240	Classroom Security with Deadbolt
8241	Classroom Security
8243	Apartment
8245	Dormitory
8255	Office w/Toggle
8265	Bathroom

Hand

LH	Left Hand
RH	Right Hand
LHR	Left Hand Reverse
RHR	Right Hand Reverse

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Mortise Locks

Mechanical Parts & Accessories

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Program	Part #	Description
1-Week, 2-Week	01-1028	#8-32 x 1/4" Mortise Outside Front Screws (03, 04, 10, 10B, 15,26, 26D)
	01-5002	#12 Combination Latch Screw (mortise lock mounting screw)
	578-2	Spindle Kit (Dimpled - 1-3/4" door) (Available on 8100 Series only)
	579-2	Spindle Kit (Threaded - 1-3/4" door) (Available on 8100 Series only)
	01-0079	Washer
	01-1174	Lever Set Screw (B, J, L, P, W Levers)
	01-1472	Lever Set Screw (A, E, F Levers)
	01-1495	Machine Screw #8-32 x 5/8"
	130KB	Thumbturn (Specify 03, 10, 10B, 26, 26D, 32D)
	130W	Thumbturn (Specify 03, 10, 10B, 26, 26D, 32D)
	184KB	Emergency Release (Specify 03, 10, 10B, 26, 26D, 32D)
	184W	Emergency Release (Specify 03, 10, 10B, 26, 26D, 32D)
	77-3468	Screw Pack 1-3/4" Dr (KE2/LE2 Trim)
	77-1141	Strike Box (for 8200 & 808 strikes)
	77-4236	Lockbody Screw Pack (All trim, specify 03, 04, 10, 10B, 32, 32D)
	81-0723	Mounting Post
	82-0110	Standard Curve Lip Strike (03, 04, 10, 10B, 10BE, 32, 32D)
	82-0184	Cap Nut (Std O/S Lever)
	82-0612	Wave Spring for Rose
	82-2136	Trim Pack Kits - E, O, KW, L (7894) LN, LW - 94 Function
	82-2137	Trim Pack Kits - KE1, KE2, LE1, LE2, KS, LS - 94 Function
	82-2138	Trim Pack Kits - L (8294), WT - 94 Function
	82-2135	Trim Pack Kits - L (8293), WT - 93 Function
	82-3211	Trim Pack Kits - E, O, KW, L (7800), LN, LW
	82-3212	Trim Pack Kits - KE1/LE1, KE2/LE2, KE3/LE3, KE4/LE4
	82-4611	Trim Pack Kit - One-sided Trim - 06,13,31,36 Function
	82-3213	Trim Pack Kits - L (8200), WT - All
	82-3341	Screw Pack - 1-3/4" Dr. (KE1/LE1, KE3/LE3, KW/LW Trim)
	82-3654	Screw Pack - All Door Thickness (WT Trim)
	82-3675	Screw Pack - 1-3/4" Dr (FE trim)

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Door Control

Powerglide 281 Series

Surface door closers for interior and exterior doors with flexibility to meet virtually every application. A full complement of arm types and front-facing valves make installation and maintenance easy.



UH



RUO/UO



CPS



PS



P9/RP9



O/RO



P10



PH10



CPSH



PSH



Program	Options	Arm Types	Finishes
24-Hour	–	O, UO, RO*, RUO*	EB, EN
1-Week & 2-Week	DA, TB	O, CPS, PS, P10, PH10, CPSH, PSH, P9, UH, UO, RO*, RP9*, RUO*	EAB, EB, EN, EP, 10BE

Arm Types

UH	Universal Hold Open STD, Parallel, Top Jamb
RUO	Universal Arm STD, Parallel, Top Jamb RUO
UO	Universal Arm STD, Parallel, Top Jamb RUO
CPS	Heavy Duty Parallel Arm with Compression Stop
PS	Heavy Duty Parallel Arm with Positive Stop
P9	Standard Parallel Arm RP9
RP9	Standard Parallel Arm RP9
RO	Standard Arm Standard & Top Jamb RO
O	Standard Arm Standard & Top Jamb RO
P10	Heavy Duty Parallel Arm
PH10	Heavy Duty Friction Hold Open Parallel Arm
CPSH	Heavy Duty Hold Open Parallel Arm with Compression Stop
PSH	Heavy Duty Hold Open Parallel Arm with Positive Stop

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
EP	Bronze Enamel to match US10
EAB	Brass Enamel to be used with brass finishes
10BE	Dark Oxidized Satin Bronze - Equivalent

** Available with 1431 Series door closer only*

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Door Control

1331 Series



The SARGENT 1331 Series door closer can be used for the most common applications and is a Grade 1 fully adjustable closer. Available with a selection of arms and accessories, the 1331 Series door closer can be used for most common applications and is ideal for standard duty installations.

Program	Options	Arm Types	Finishes
24-Hour	–	JH, JO, JP9, JPH9, JUH, JUO	EB, EN
1-Week & 2-Week	TB		10BE, EAB, EB, EN, EP

Arm Types

JO	Arm Standard/Top Jamb
JH	Hold Open Arm Standard
JP9	Arm Parallel
JPH9	Hold Open Arm Parallel
JUO	Tri Pack or "Universal Packed"
JUH	Hold Open Tri Pack or "Universal Packed"

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
EP	Bronze Enamel to match US10
EAB	Brass Enamel to be used with brass finishes
10BE	Dark Oxidized Satin Bronze - Equivalent

JO



JH



JP9



JPH9



JUO



JUH



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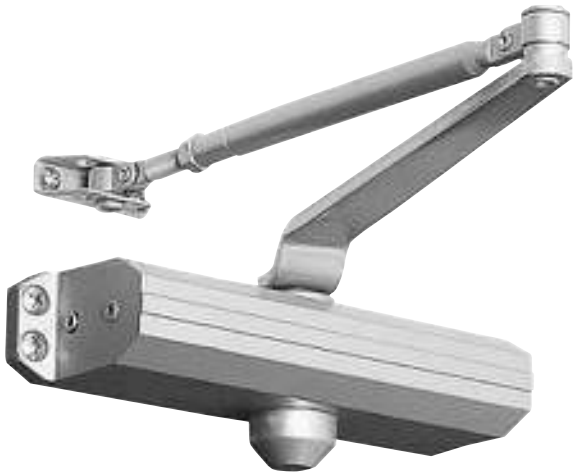
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Door Control

1131 Series

A reversible "Non-handed" economy aluminum door closer.



HU



RU



Program	Options	Arm Types	Finishes
24-Hour	–	HU, RU	EB, EN
1-Week & 2-Week	DA, TB		

Product Designation Based on Application

1131 Adjustable for sizes 1 through 6. Ideal for use on aluminum storefronts and other medium traffic, commercial applications. Complies with opening force requirements outlined in the Americans with Disabilities Act (A.D.A.) and ANSI A117.1 for interior doors.

Arm Types

HU Hold-Open Arm Bracket
RU Regular Parallel Arm Bracket

Finishes

EB Bronze Enamel to match 10B
EN Aluminum Enamel

Options

DA Bronze Enamel to match 10B
TB Aluminum Enamel

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Door Control

422 Series



The high performance design of the 422 Cam Action Closer ensures doors that are light to open for ADA compliance, with the right amount of closing force to handle a wide range of environments. The closer's non-hold open track and internal spring are specifically built to protect the door and frame in abusive, high-traffic conditions.

Program	Options	Arm Types	Finishes
1-Week & 2-Week	TB	CTB2, CTHB2, PCTB2*, PCHTB2*	EB, EN, 10BE

Arm Types

CTB2	Pull with Bumper
CTHB2	Pull with Holder and Bumper
PCTB2	Push with Bumper
PCHTB2	Push with Holder and Bumper

Hand

LH	Left Hand
RH	Right Hand

Finishes

EB	Bronze Enamel to match 10B
EN	Aluminum Enamel
10BE	Dark Oxidized Satin Bronze - Equivalent

Note: Maximum quantity of 40 units per order

** Handed*

CTB2



CTHB2



PCTB2*



PCHTB2*



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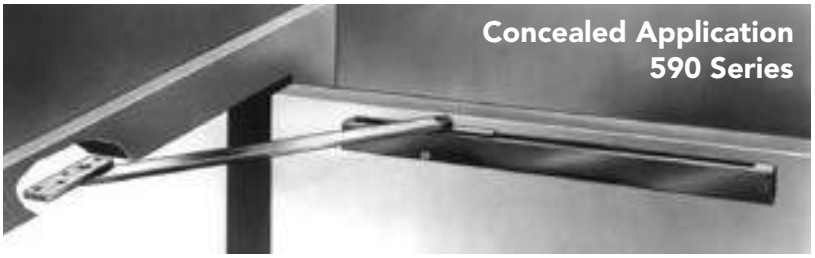
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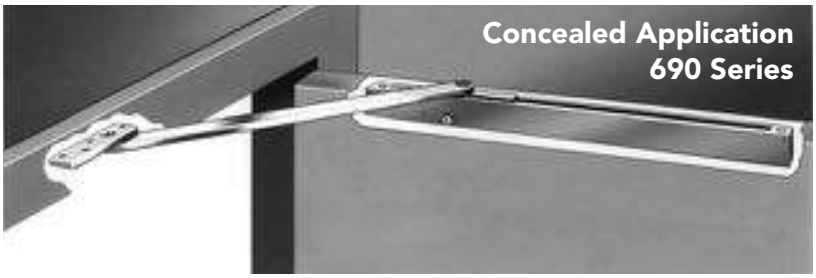
Door Control

Overhead Holders & Stops

Overhead holders and stops are used to extend the life of the door, frame and door closing devices on an opening. SARGENT offers both concealed and surface mount types, with various functions and degree of opening.







Program	Product Designation	Options	Finish
1-Week, 2-Week	597,598,599 697, 698, 699 1546,1547,1548, 1549	H, S	26D

Product Designation

590 Series

597	24" - 32-1/2" Door Width
598	32-5/8" - 39-1/8" Door Width
599	39-1/4" or Greater Door Width

690 Series

697	24" - 32-1/2" Door Width
698	32-5/8" - 39-1/8" Door Width
699	39-1/4" or Greater Door Width

1540 Series

1546	18-1/2" - 25" Door Width
1547	25-1/8" - 32-1/2" Door Width
1548	32-5/8" - 40" Door Width
1549	40-1/8" - 48" Door Width

Finishes

26D	Satin Chrome

Options

H	Hold Open with Stop
S	Stop Only

Note: Maximum quantity of 15 units per order

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Door Control

Door Closer Parts

Program	Part #	Description	Finishes
24-Hour 1-Week & 2-Week	25 O	Standard Arm – Complete Arm assy.	10BE, EN, EB, EP, EAB
	25 UO	Universal Arm - Complete Arm assy.	
	25 H	Holder Arm – Complete Arm assy.	
	25 P9	Parallel Arm – Complete Arm assy.	
	25 PH9	Parallel Holder Arm – Complete Arm assy.	
	25 P10	Parallel Heavy Duty Arm – Complete Arm assy.	
	25PH10	Parallel Holder Heavy Duty Arm (Left Hand)	
	25PH10	Parallel Holder Heavy Duty Arm (Right Hand)	
	25 PS	Parallel Stop Arm – Complete Arm assy.	
	25 PSH	Parallel Stop/Holder Arm – Complete Arm assy.	
	25 CPS	Compression Stop Arm – Complete Arm assy.	
	25 CPSH	Compression Holder Arm – Complete Arm assy.	
	581-1	Blade Stop Spacer Kit	
	581-2	Blade Stop Spacer Kit	
	61-2303	Foot assy. - (H, HZ, HZA, PH4, PH9, UH-Arms)	10BE, EN, EB, EAB
	63-0516	Bumper holder - (CPS, CPSH - Arms)	
	63-2216	Foot assy. - (O, OLC, RO, UO, RUO - Arms)	
	63-2217	Foot assy. - (OZ - Arm)	
	63-2218	Foot assy. - (OZA, FZA - Arm)	
	63-3070	Main arm & swivel assy. (H, H8, PH4, PH9, PF9, UH - Arms)	
	63-2230	Main arm & link assy. - (HZ - Arm)	
	63-2231	Main arm & link assy. - (HZA - Arm)	
	63-2271	Foot assy- (P9, PR9 Arms)	10BE, EN, EB, EP, EAB
	63-0641	Arm & bearing assy. (P10, CPS, PS, CPSH, PSH - Arms)	10BE, EN, EB, EAB
	63-2607	Main arm & link assy. (O, O8, OZ, OZA, P3, P3A, P4A, P9, RP9-Arms)	
	63-3493	Bumper only - (CPS, CPSH - Arm) - use w/63-0516	Standard
	63-3727	Arm and bracket assy. (P10 arm)	10BE, EN, EB, EAB
	63-3830	Arm and bracket assy. (CPS arm)	
	63-3833	Arm and bracket assy. (PSH arm)	
	63-3836	Arm and bracket assy. (CPSH arm)	
	63-3837	Arm and bracket assy. (PS arm)	

Program	Part #	Description	Finish
1-Week, 2-Week	21-0198	1540 Jamb Bracket Shim	26D
	01-3436	Machine Screw	
	21-0104	590 Jamb Bracket Shim	
	01-3454	Machine Screw	32D

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Door Control

Door Closer and Overhead Holders & Stops Parts

Program	Part #	Description	Finishes
24-Hour	125 P3	Arm Conversion Unit	EB, EN
	125 P3A	Arm Conversion Unit	
	125 P4A	Arm Conversion Unit	
	351A	Mounting Plate	
	351B	Mounting Plate	
	351D	Drop Bracket	
	1431D	Drop Bracket	
	4TB	Through-bolt Pack	
1-Week & 2-Week	125P9	Parallel Arm Foot	EB, EN, EAB
	125PH9	Parallel Arm Foot	
	125 P3	Arm Conversion Unit	EB, EN, EAB, EP
	125 P3A	Arm Conversion Unit	
	125P4	Arm Conversion	
	125 P4A	Arm Conversion Unit	
	281C	Closer Cover	EB, EN, EP, EAB
	351A	Mounting Plate	EB, EN, EAB, EP
	351B	Mounting Plate	
	351C	Closer Cover	B, EN, EP, EAB
	351D	Drop Bracket	EB, EN, EAB, EP
	1431D	Drop Bracket	
	281D	Mounting Plate	
	581-1	Blade Stop Spacer Kit (P9, PH9, PF9)	
	581-2	Blade Stop Spacer Kit (P10, PS, PSH, CPS, CPSH, PH10)	
	1431C	Closer Cover	EB, EN, EP, EAB
	4TB	Through-bolt Pack	EB, EN, EAB, EP
	Paint	Paint (One Color per 12 Unit Case)	EB, EN, EAB, ED, EP

Electromagnetic Door Holders & Locks

Program	Part #	Description	Finish
1-Week, 2-Week	1560	Electromagnetic Door Holder - Wall Mount, Surface Applied	EN
	1561	Electromagnetic Door Holder - Concealed Wiring	
	1584	Electromagnetic Lock - Push Single door	32D

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Exit Devices

8900 Series Device with Trim



8900 Series mortise lock exit device has concealed single point guarded latching for additional security and is designed for standard width stile applications on wood and metal doors.

Program	Options	Functions	Rails	Escutcheon	Lever	Finishes
1-Week	12, 16, 43, 53, 55, 56, 60, 70, AL, KD, LC, SC, WS**	8904, 8910, 8913, 8915, 8963, 8973*, 8974*, 8975*, 8976*	F, G, J	ET, PTB, No Trim***	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D Only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D Only)	10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

12	Fire Rated
16	Cylinder Dogging
43	Flush End Cap
53	Latchbolt Monitoring
55	Request-to-Exit
56	Electric Latch Retraction (ELR)
AL	Alarmed Exit
WS**	Windstorm

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Functions

8904	(ANSI 03) Key Retracts Latch with PSB or ET Trim
8910	(ANSI 01) Exit Only No Outside Trim
8910	(ANSI 02) Exit Only with PTB or ET Trim
8913	(ANSI 08) Key Locks/Unlocks with ET Trim
8915	(ANSI 14) Passage Only with ET Trim
8963	(ANSI 05) Key Locks/ Unlocks with PTB Trim
8973	Electrified ET Trim - Fail Safe, Power off, Unlocks Lever (No Cylinder)
8974	Electrified ET Trim - Fail Secure, Power off, Unlocks Lever (No Cylinder)
8975	Electrified ET Trim - Fail Safe. Power off, Unlocks Lever, Key retracts Latch
8976	Electrified ET Trim - Fail Secure. Power off, Unlocks Lever, Key retracts Latch

Finishes

10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse





Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
Cylinder dogging (16- option) is available with the 13 and 63 function devices only.
12- & 16- are not available together.
ET trims are supplied in 26D in lieu of 32D.
** Specify 12V or 24V when ordering solenoid operated ET Trim*
*** WS is available for single hollow metal door applications for 1-3/4" thick doors, 3'0" x 7'0" max doors.*
**** Available on 8910 only*

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Exit Devices

8800 Series Device Only

The 8800 Series rim exit device is designed for standard width stile applications on wood and metal doors. This reversible rim exit device sets the industry standard for durability and reliability.



Program	Options	Functions	Rail Sizes	Finishes
24-Hour	12, 21, 43	8888/8810	F	32D
1-Week	12, 16, 43, 60, 70, KD, LC, SC		F, G, J	10B, 10BE, 32D
2-Week				03, 10, 10B, 10BE, 32D

Cylinder Options

60 Disposable Construction Core
70 Interchangeable Core Disposable Plug
KD Keyed Different
LC Less Cylinder
SC Schlage "C" Keyway

Mechanical Options

12 Fire Rated
16 Cylinder Dogging
43 Flush End Cap

Functions

8888/8810 Multifunction

Finishes

03 Bright Brass
10 Dull Bronze
10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze - Equivalent
32D Dull Stainless

Rail

F 33" - 36" (84cm - 91cm)
(No cutting required for 36" (91 cm) door
G 43" - 48" (110cm - 122cm)
(No cutting required for 48" (122 cm) door
J 37" - 42" (94cm - 107cm)
(No cutting required for 42" (107cm) door

Hand

LHR Left Hand Reverse
RHR Right Hand Reverse

Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

12 & 16 options are not available together

Cylinder options are available with 16 option devices only

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Exit Devices

8800 Series Device with Trim



Program	Options	Functions	Rails	Escutcheon	Lever	Finishes
24-Hour	12, 43, 55, 56, KD	8813	F	ET, PSB+, PTB++	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM, 88CLL	32D
1-Week	12, 16, 43, 53, 55, 56, 60, 70, HC, KD, LC, SC, WS*	8804, 8806, 8810, 8813, 8815, 8863, 8873*, 8874*, 8875*, 8876*, 8893	F, G, J			10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM, 88CLL	03, 10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

12	Fire Rated
16	Cylinder Dogging
43	Flush End Cap
53	Latchbolt Monitoring
55	Request-to-Exit
56	Electric Latch Retraction (ELR)
HC	Hurricane Code
WS**	Windstorm

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

* *Specify 12V or 24V when ordering solenoid operated ET Trim*

** *WS is available for single hollow metal door applications for 1-3/4" thick doors, 3'0" x 7'0" max doors.*

+Available with 04 function only

++Available with 10,28, and 63 functions only

Functions

8804	(ANSI 03) Key Retracts Latch with PSB or ET Trim
8806	(ANSI 09) Key operates ET
8810	(ANSI 01) Exit Only, No Outside Trim
8810	(ANSI 02) Exit Only, with PTB or ET Trim
8813	(ANSI 08) Key Locks/Unlocks ET Trim
8815	(ANSI 14) Passage Only with ET Trim
8863	(ANSI 05) Key Locks/Unlocks PTB Thumb Piece
8873	Electrified ET Trim - Fail Safe, Power off, Unlocks Lever (No Cylinder)
8874	Electrified ET Trim - Fail Secure, Power off, Unlocks Lever (No Cylinder)
8875	Electrified ET Trim - Fail Safe. Power off, Unlocks Lever, Key retracts Latch
8876	Electrified ET Trim - Fail Secure. Power off, Unlocks Lever, Key retracts Latch
8893	Dummy Rail

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

B Lever



J Lever



L Lever



P Lever



MD Lever



ME Lever



MG Lever



MI Lever



MJ Lever



MS Lever



MU Lever



MV Lever

ND Lever



NJ Lever



NS Lever



NU Lever



REM Lever



88CLL Lever & Rose Trim



ET Trim



PSB



PTB Trim



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Exit Devices

8800 Series Device - Trim Only

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B Lever


J Lever


L Lever


P Lever


MD Lever


ME Lever


MG Lever


MI Lever


MJ Lever


MS Lever


MU Lever


MV Lever

ND Lever


NJ Lever


NS Lever


NU Lever


REM Lever


88CLL Lever & Rose Trim


700 Series ET Trim


814-PSB




Program	Options	Trim Functions	Escutcheon	Levers	Finishes
24-Hour	KD	713-8 ET	N/A	L	32D
1-Week	60, 70, KD, LC, SC,	704 ET, 710 ET, 713-8 ET, 715-8 ET, 773-8 ET, 774-8 ET, 775-8 ET, 776-8 ET	ET, 814-PSB	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only), 88CLL	10B, 10BE, 32D
2-Week		814-PSB, 88CLL		B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only), 88CLL	03, 10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

Functions

704ET	Key Retracts Latch
710ET	Pull Only No Cylinder
713-8ET	Key Locks/Unlocks Lever
715-8ET	Passage Only
773-8 ET	Fail Safe Power Off, Unlocks Lever (No Cylinder)
774-8 ET	Fail Secure Power Off, Locks Lever (No Cylinder)
775-8 ET	Fail Safe Power Off, Unlocks Lever, Key Retracts Latched
776-8 ET	Fail Secure Power Off, Locks Lever, Key Retracts Latch
88CLL	Key Locks/Unlocks Trim
814-PSB	Key Retracts Latchbolt (04 Function)

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Voltage

12V
24V

Note: Electrified products have a total maximum quantity of 50 locks per order.
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
710ET and 715-8ET are non cylinder functions.

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Exit Devices

8700 Series



8700 Surface Vertical Rod



NB8700 Top Latch Surface Vertical Rod

The SARGENT 8700 Series Surface Vertical Rod Exit Device has two point latching (top and bottom of the door) and is adjustable through the center case.

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	12, 14, 16, 43, 53, 55, 56, 60, 70, KD, LC, NB, SC	8706, 8710, 8713, 8715, 8763, 8773, 8774	F, G, J	ET, PTB, No Trim*	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only)	03, 10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Options

12	Fire Rated
14	Solid Brass Bottom Bolt
16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt (Not available with PTB Trim)
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Note: Electrified products have a total maximum quantity of 50 locks per order
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.
Cylinder options are available with 16- option; 06, 13, or 63 function only
12 and 16 options are not available together
14 option is not available with 12- or NB options
12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.
ET trims are supplied in 26D, in lieu of 32D
** Available on 8710 only*

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Function

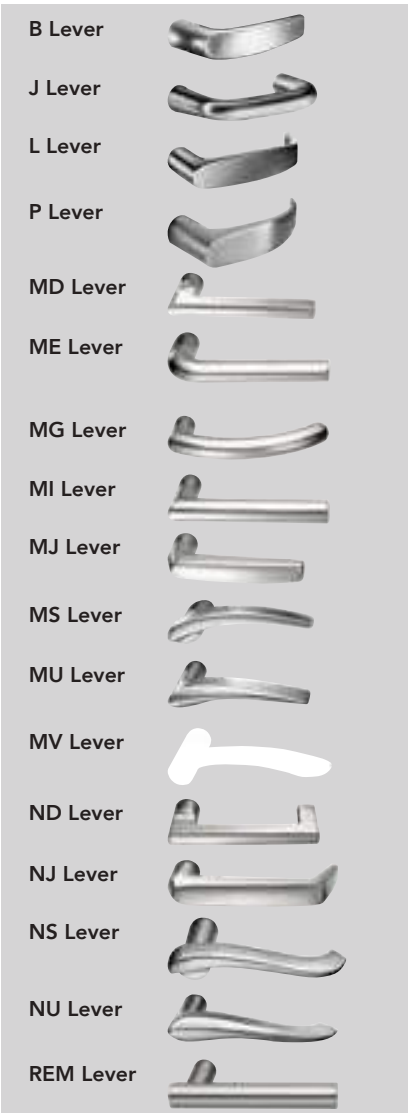
8706	(ANSI 09) Key allows Lever to Retract Bolts With ET Trim
8710	(ANSI 01) Exit Only No Outside Trim
8710	(ANSI 02) Exit Only with PTB or ET Trim
8713	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
8715	(ANSI 14) Passage Only with ET Trim
8763	(ANSI 05) Key Locks/Unlocks PTB Trim
8773	Fail Safe
8774	Fail Secure

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door



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SARGENT
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Exit Devices

AD8600 & MD8600 Series

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The AD8600/NB-AD8600 and MD8600 Series are designed for standard width single or double aluminum or metal doors. The AD Series and the MD Series Concealed Rod Exit Devices meet ANSI/BHMA Grade 1 standards.



B Lever
J Lever
L Lever
P Lever
MD Lever
ME Lever
MG Lever
MI Lever
MJ Lever
MS Lever
MU Lever
MV Lever
ND Lever
NJ Lever
NS Lever
NU Lever
REM Lever



ET Trim



AD8600

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	16, 43, 60, 70, KD, LC, NB, SC, AL, 53, 55, 56	AD8606, AD8610, AD8613, AD8615	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only)	03, 10, 10B, 10BE, 32D

MD8600

Program	Options	Functions	Rail	Escutcheon	Trims	Finishes
1-Week	12, 16, 43, 60, 70, KD, LC, NB, SC, AL, 53, 55, 56	MD8606, MD8610, MD8613, MD8615, MD8673, MD8674	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only)	03, 10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Options

12	Fire Rated
14	Solid Brass Bottom Bolt
16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Function

AD/MD8606	(ANSI 09) Key allows Lever to Retract Bolts with ET Trim
AD/MD8610	(ANSI 01) Exit Only, No Outside Trim
AD/MD8610	(ANSI 02) Exit Only with ET Trim
AD/MD8613	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
AD/MD8615	(ANSI 14) Passage Only with ET Trim
MD8673	Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)
MD8674	Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Cylinder options are available with 16- option; 06 or 13 function only

12 and 16 options are not available together

12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.

ET trims are supplied in 26D, in lieu of 32D

** Available on AD8610 & MD8610 only*

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Exit Devices

8500 & AD8500 Series



The 8500 Series Narrow Design Rim Exit Device is designed for narrow stile applications and features a rim bolt for quiet operation and security.

Program	Options	Functions	Rail	Escutcheon	Lever	Finishes
1-Week	12, 16, 43, 60, 70, KD, LC, SC, AL, 53, 55, 56	8504, 8510, 8513, 8573, 8574, AD8504, AD8510, AD8513	F, G, J	ET, No Trim*	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	10B, 10BE, 32D
2-Week					B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only)	03, 10, 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

12	Fire Rated
16	Cylinder Dogging
43	Flush End Cap
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Exit x Function

8504	(ANSI 03) Key allows Lever to Retract Bolts With ET Trim
8510	(ANSI 01) Exit Only No Outside Trim
8510	(ANSI 02) Exit Only with ET Trim
8513	(ANSI 08) Key Locks/Unlocks Trim with ET Trim
8573	Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)
8574	Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Dull Stainless

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Cylinder options are available with 16- option; 04 or 13 function only

ET trims are supplied in 26D, in lieu of 32D

** Available on 8510 and AD8510 only*

B Lever



J Lever



L Lever



P Lever



MD Lever



ME Lever



MG Lever



MI Lever



MJ Lever



MS Lever



MU Lever



MV Lever

ND Lever



NJ Lever



NS Lever



NU Lever



REM Lever



ET Trim



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Exit Devices

AD8400/MD8400 Series

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The AD8400 and MD8400 Series are designed for narrow width single or double aluminum or metal doors. The AD Series and the MD Series Concealed Rod Exit Devices meet ANSI/BHMA Grade 1 standards.



106 Auxiliary Control



862 Pull

Program	Options	Exit Device	Rail	Trims	Finishes
1-Week	16, 43, 60, 70, KD, LC, NB, SC, AL, 12-MD, 53, 55, 56	AD8410, MD8410	F, G, J	106 x 862 Pull, 862 Pull, No Trim	10BE, 10B, 32D
2-Week					03, 10 10B, 10BE, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Mechanical Options

16	Cylinder Dogging
43	Flush End Cap
NB	Less Bottom Bolt
AL	Alarmed Exit
53	Latchbolt Monitoring
55	Request to Exit
56	Electric Latch Retraction

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Note: Electrified products have a total maximum quantity of 50 locks per order

LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified.

Trims

106	Aux Control x 862 Pull (ANSI 12) Key allows Turn to Retract Bolts
862	Pull (ANSI 02) Pull Only, No O/S Operation
No Trim	Exit Only (ANSI 01)

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Bronze, Oil-Rubbed
10BE	Dark Oxidized Satin Bronze - Equivalent
32D	Satin Stainless Steel

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Cylinder options are available with 16- option or 106 Aux Control only

12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device.

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Exit Devices

90 Series Exit Device



The 90 Series cross bar exit device is for single door and pairs of doors where a narrow stile application is required.

PTB



Program	Options	Trim/Function	Finishes
24-Hour	KD	814-PTB, 810-PTB, 866-PTB	32D
1-Week	KD, SC, 60, 70, LC		
2-Week			10, 32D

Program	Function	Finishes
24-Hour	9898	32D
1-Week		
2-Week		10, 32D

Cylinder Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Device

9898	Multifunction Rim Crossbar*

Trim Function

814-PTB	Trim 04 (ANSI 03) Night Latch Key Retracts Latch
810-PTB	Pull 10 (ANSI 02) Dummy Trim No O/S Operation Pull Only
866-PTB Trim	63 (ANSI 05) Entry Lock Key Locks/Unlocks Thumb Piece

Note: LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified

Finishes

10	Dull Bronze
26D	Satin Chrome

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

** Device supplied for up to 44" wide doors*

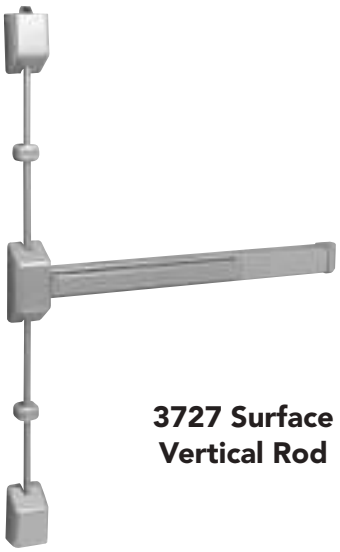
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Exit Devices

30 Series Exit Device

The 3727 and 3828 Series are rugged exit devices in a surface vertical rod and rim design with 4 available trims and is easy to mix and match the device and trim.



3727 Surface Vertical Rod



3828 Rim Exit Device

Program	Options	Exit Device	Rail	Finishes
24-Hour	-	3828	F	EN
1-Week	12-	3828, 3727	F, G, J	EB, EN

Cylinder Options

12	Fire Rated
21	Construction Keying (Lost Ball)
KD	Keyed Different
LC	Less Cylinder
SC	Schlage "C" Keyway

Function

3828	Rim
3827	Surface Vertical Rod

Hand

LHR	Left Hand Reverse
RHR	Right Hand Reverse

Finishes

EB	Bronze Enamel
EN	Aluminum Enamel

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Rail

F	33" - 36" (84cm - 91cm) (No cutting required for 36" (91 cm) door
G	43" - 48" (110cm - 122cm) (No cutting required for 48" (122 cm) door
J	37" - 42" (94cm - 107cm) (No cutting required for 42" (107cm) door

Note:
12 and 16 options are not available together
LA is the standard SARGENT keyway and all cylinders will be 1-bitted unless KD is specified

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Exit Devices

30 Series Trim

Program	Options	Trim	Finishes
24-Hour	KD	28CLL, 28COB, 814HTB	26D, EN
1-Week	KD, LC, SC		10B, 10BE, 26D, EB, EN

Cylinder Options

KD Keyed Different
LC Less Cylinder
SC Schlage "C" Keyway

Function

28CLL 13 Function
28COB 13 Function (Key locks/unlocks knob)
814HTB 04 Function (Key retracts latch)

Note:
814HTB (EB & EN only) for 3828 only

Finishes

10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze - Equivalent
26D Satin Chrome
EB Bronze Enamel to match 10B (814 HTB only)
EN Aluminum Enamel (814HTB only)

The 3727 and 3828 Series are rugged exit devices in a surface vertical rod and rim design with 4 available trims and is easy to mix and match the device and trim.

28CLL



28COB



814HTB



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Exit Devices

5300 Series

Designed for areas requiring a standalone alarm on outward swinging doors, the 5300 Series has an integrated, immediate sounding alarm in the push rail to discourage unauthorized use of exit doors.





53 K HTB



53 D GTB



53 E GTB



5300 Series Exit Device

Program	Option	Exit Device/ Exit Alarm	Rail Size	Exit Finish
2-Week	12-	5304, 5310, 5313, 5315	E, F, J & G	EB, EN, ERD, 32D, BSP

Options

12	Fire Rated

Finishes

EN	Aluminum Enamel to Match US28
EB	Bronze Enamel to Match US10B
ERD	Polyester Powder Coat - Red
32D	Brushed Stainless Steel
BSP	Black Suede Powder Coat

Rail

E	32" only
F	33" - 36" (84cm - 91cm)
G	43" - 48" (110cm - 122cm)
J	37" - 42" (94cm - 107cm)

Trim

28-C-LL	13 Function
28-D-LL	10 Function
28-K-LL	04 Function
28-L-LL	15 Function
53 K HTB	04 Function
53 E GTB	10 Function - Exit Only
53 D GTB	10 Function - Pull

Functions

04	(ANSI 03) Night Latch Key Retracts Latch
10	(ANSI 02) Dummy Trim No Outside Operation
13	(ANSI 08) Entrance Lock Key Locks/Unlocks Trim
15	Passage Only

Hand

RHR	Right Hand Reverse
LHR	Left Hand Reverse

Note: Electrified products have a total maximum quantity of 50 locks per order

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Exit Devices

5300 Series Trim

Trim for 5300 Series Exit Alarm

Program	Function	Trim	Trim Finish
2-Week	04, 10, 13, 15	88-C-LL, 88-D-LL, 88-K-LL, 88-L-LL, 53 K HTB, 53 D GTB, 53 E GTB	EB, EN, ERD, 32D, BSP

Designed for areas requiring a standalone alarm on outward swinging doors, the 5300 Series has an integrated, immediate sounding alarm in the push rail to discourage unauthorized use of exit doors.

Finishes

EN	Aluminum Enamel to Match US28
EB	Bronze Enamel to Match US10B
ERD	Polyester Powder Coat - Red
32D	Brushed Stainless Steel
BSP	Black Suede Powder Coat

Trim

28-C-LL	13 Function
28-D-LL	10 Function
28-K-LL	04 Function
28-L-LL	15 Function
53 K HTB	04 Function
53 E GTB	10 Function - Exit Only
53 D GTB	10 Function - Pull



53 K HTB



53 D GTB



53 E GTB



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Exit Devices

7000 Series

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The 7000 is perfect for a wide variety of applications including conference rooms, commercial office buildings, convention centers, upscale condominiums, medical and educational institutions where exit devices are not required.



B Lever
J Lever
L Lever
P Lever
MD Lever
ME Lever
MG Lever
MI Lever
MJ Lever
MS Lever
MU Lever
MV Lever
ND Lever
NJ Lever
NS Lever
NU Lever
REM Lever



ET Trim



Program	Options	Exit Device	Escutcheon	Lever	Finishes
1-Week	60, 70, KD, LC	700615, 701015, 701313, 701315, 701515, 707415	ET	B, J, L, P, MD, ME, MG, MI, MJ, MV, ND, NJ, REM (32D only)	26D
2-Week				B, J, L, P, MD, ME, MG, MI, MJ, MS, MU, MV, ND, NJ, NS, NU, REM (32D only)	

Options

60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
KD	Keyed Different
LC	Less Cylinder

Finishes

26D	Satin Chrome

Opening Height
(Center Line of Exit Device is 41" AFF)

84"
96"

Note: Maximum quantity of 25 units per order

Functions

700615	Key unlocks Trim; Trim retracts latch; Trim relocks when key is removed
701015	No outside Operation (No Cylinder); Pull Only
701313	Class Room Key Outside Unlocks/ locks Trim; #41 Cylinder Supplied
701315	Class Room Key Outside Unlocks/ locks Trim; #41 Cylinder Supplied
701515	Passage only (No cylinder)
707415	Electrified Trim - Fail Secure

Hand

RHR	Right Hand Reverse
LHR	Left Hand Reverse

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Exit Devices

Mullions

Program	Mullion
24-Hour	980, 12-980
1-Week	650A, 980, L980, 980S, 12-980 , L980S, 12-L980, HC980, 12-HC980, HCL980, 12-HCL980
2-Week	650A, 980, L980, 980S, 12-980, L980S, 12-L980 , L980S, 12-L980, HC980, 12-HC980, HCL980, 12-HCL980

Note: 12 option refers to fire rated

SARGENT offers aluminum, steel and electrified mullions for use in a multitude of applications.

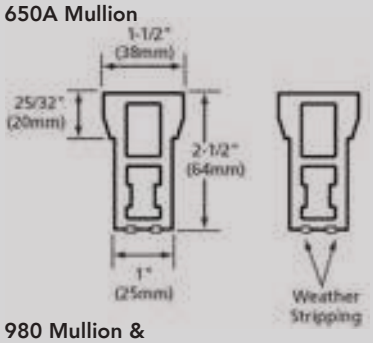
Aluminum Mullions

Product	650A	980	L980
Description	Removable	Removable	Removable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Prime Coat
Size	96"	96"	96"
Preprepped	658 Strikes Included	No	No
Cylinder kit	Not Required	Not Required	980C1
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Misc Info & Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502	Cylinder options: KD, LC, SC, 60, 70 Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525

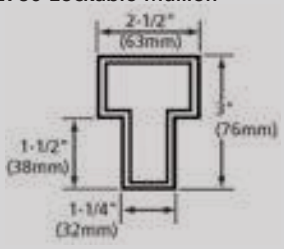
Steel Mullions

Product	HC980	980S	12-HC980	L980S	HCL980	12-HCL980
Description	Hurricane Code	Standard Mullion	Fire Rated Hurricane Code	Lockable	Lockable Hurricane Code	Fire Rated - Lockable Hurricane Code
Material	Steel	Steel	Steel	Steel	Steel	Steel
Std Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Size	96"	96"	96"	96"	96"	96"
Preprepped	No	No	No	No	No	No
Cylinder kit	Not Required	Not Required	Not Required	980C1	980C1	980C1
Shape	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"	Rectangular 2' x 3"
Misc Info	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	For 12-8800 - Channel Iron & Malleable iron top & bottom retainers.	Designed or severe wind load conditions due to hurricanes or tornadoes. Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361	Fire rated for 8'0" x 8'0" paired open-ings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" for use with 12-8800 Rim Exits includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Bottom Ret Pack - 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit - 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

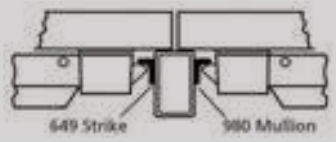
650A Mullion



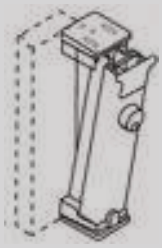
980 Mullion & L980 Lockable Mullion



980S/HC980/12-HC980 Mullion Application



L980S, HCL980, 12-HCL980 Lockable Mullions



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Exit Devices

80 Series Parts

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	01-0098	Retaining Clip	Standard
	01-0610	Wave Spring Washer Standard	
	68-0405	8700 Chassis Cover	03, 10, 10B, 32D
	68-0406	8800 Chassis Cover	
	68-0407	8600 & 8900 Chassis Cover	
	68-0561	Plastic End Cap	Black
	68-2279	Through-bolt Pack - Rail & Chassis (86,87,88,89)	03, 10, 10B, 26D
	68-2282	Through-bolt Pack - Cases & Guides (87)	
	68-2288	Through-bolt Pack - 12-8700	
	68-2596	Hex Key Dogging Kit	Standard
	68-2695	F Rail Assembly - Wide	32D
	68-2696	G Rail Assembly - Wide	
	68-2697	J Rail Assembly - Wide	
	68-2703	12- F Rail Assembly - Wide	
	68-2704	12-G Rail Assembly - Wide	
	68-2705	12-J Rail Assembly - Wide	
	68-3023	Screw Pack 12-8700	26D
	68-3671	ET Spindle Adapters (Square spindle to cross shaped -8)	Standard
	94-2050	Top Retainer	EB/EN
	94-2051	Bottom Retainer	
	97-0001	Hex Dogging Key	Standard
	97-0020	Rod Guides	03, 10, 10B, 32D
	97-0052	End Cap Screws (Cover)	
	97-0349	16-Collar (for rail Lockdown)	26D
	98-2190	Top Retainer Pack(980S)	N/A
	98-2191	Bottom Retainer Pack (980S)	
	98-2525	Bottom Retainer Pack (L980)	
	98-2526	Top Retainer Pack (L980)	
	98-2556	Bottom Retainer Pack (L980S)	
	98-2559	Top Retainer Pack (L980S	
	98-2578	Wall Mount Kit (L980)	10B
	98-2579	Wall Mounting Kit (L980S)	N/A
	98-2594	Bottom Retainer Pack (HCL980)	
	98-2599	Tom Retainer Pack(HC980, 12-HC980, 12-HCL980)	
	98-2600	Bottom Retainer Pack (HC980, 12-HC980, 12-HCL980)	
	502	Bottom Retainer (980)	
	511	Top Retainer (980)	
	565	Metal End Cap Kit	32D

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	571-12	12" Rod Ext . Kit for 9700/2700/8700 (mfg prior 11/02)	03, 10, 10B, 32D
	571-18	18" Rod Ext . Kit for 9700/2727/8700 (mfg prior 11/02)	
	571-6	6" Rod Ext . Kit for 9700/2700/8700 (mfg prior 11/02)	
	601	Top Retainer Shim Kit (HC980, 980S, 12-HC980, L980S, HCL980, 12-HCL980)	N/A
	644	Strike - Surface or Double door strike for 2828 & 8800	Black Nylon
	649	Strike - Standard for 12-2828, 12-5800, 12-8800, 12-9800	
	650	Top Strike	
	665	Flush End Cap	32D
	687-12	Top Rod for 8700 41" AFF - 96" Door (new style 8700's), PP/PR/SP8700	03, 10, 10B, 32D
	687-18	Top Rod for 8700 41" AFF - 102" Door (new style 8700's), PP/PR/SP8700	
	687-6	Top Rod for 8700 41" AFF - 90" Door (new style 8700's), PP/PR/SP8700	
	809	Lexan Touchpad Kit	Black
	815	Open Back Strike - LHR	Black Nylon
	815	Open Back Strike - RHR	
	980C1	Cylinder Kit (L980S, HCL980)	10B, 26D

Program	Part #	Description	Finishes
1-Week & 2-Week	97-0579	Holdback Spring for Top Case	Standard
	576	12-Bottom Pullman Bolt Conversion Kit (8700)	Standard
	587	Shim Kit (8700)	EN
	589	Shim Kit (8800, 12-8800, 8910 & 12-8910 Function)	
	730-1	700 Series Spindle Kit - 1-3/4" Door	Standard
	730-2	700 Series Spindle Kit - 2" Door	
	730-3	700 Series Spindle Kit - 2-1/4" Door	
	730-7	700-8 Series Spindle Kit - 1-3/4" Door	
	730-8	700-8 Series Spindle Kit - 2" Door	
	730-9	700-8 Series Spindle Kit - 2-1/4" Door	
	816-1	Cylinder Dogging Kits - w/ Wide Stile F size rail	03, 10, 10B, 32D
	816-2	Cylinder Dogging Kits - w/ Narrow Stile E, F size rail	
	816-3	Cylinder Dogging Kits - w/ Wide Stile G size rail	

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Exit Devices

90 Series & 30 Series Parts

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90 Series

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	97-0020	Rod Guides	03, 10, 10B, 32D
	98-2159	Bolt Spring & Bracket Assembly	Standard

30 Series

Program	Part #	Description	Finishes
24-Hour, 1-Week & 2-Week	28-2024	3828 TB Pack	10B or 26D
1-Week & 2-Week	28-2031	3727 TB Pack	

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Exit Devices

Electromechanical Parts & Accessories

Miscellaneous Accessories

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	807	TL- SARGuide Lamp Repl. Kit	N/A
	32-7044	Tamper Switch & Bracket Assembly for 5100/5800	
	3287	Door Position SPDT Switch (Concealed)	
	547	Retrofit Kit to cover Unican Prep (10L)	26D

12 & 24 Volt Power Supplies

Program	Part #	Description
24-Hour, 1-Week, 2-Week	3540	Power Supply 24VDC - 2 AMP
	3541	Power Supply 12VDC - 2 AMP
	737	12VDC-5 Amp Hour Battery Backup
	738	24VDC-5 Amp Hour Battery Backup
	TMR2	Multi-Function Timer 12 or 24 VDC/VAC
	TMR9	Release Hold Timer
1-Week & 2-Week	3520	Power Supply 24VDC - 1 AMP
	3521	Power Supply 12VDC - 1 AMP
	3550	Power Supply 24VDC - 4 AMP
	3551	Power Supply 12VDC - 4 AMP
	3570	Power Supply 24VDC - 6 AMP
	3571	Power Supply 12VDC - 6 AMP

55- Request to Exit Insert Kits

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	855	Universal Retrofit Kit	N/A

59- Delayed Egress Accessories

Program	Part #	Description	Finish
1-Week, 2-Week	52-2994	59- Circuit Board & Harness Replacement Kit F Rail	N/A
	52-2995	59- Circuit Board & Harness Replacement Kit J Rail	
	52-2996	59- Circuit Board & Harness Replacement Kit G Rail	
	52-2204	Latchbolt Switch Assembly for 59-8500/59-8800	
	52-5052	Electroguard Circuit Board Replacement Kit (59-)	
	68-3784	Rail Assembly for wide stile 12-59-80 Series (F)	

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Exit Devices

Electromechanical Parts & Accessories

56-Electric Latch Retraction Rails & Accessories

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	68-0807	56-80 Series ELR Lift Lever for Devices mfg prior to 2007	N/A
	68-3211	56- Rail Assembly for 80 Series - Wide Stile - 43"-48" (G)	32D
	68-3212	56- Rail Assembly for 80 Series - Wide Stile - 33"-36" (F)	
	68-3213	56- Rail Assembly for 80 Series - Wide Stile - 37"-42" (J)	
	68-3216	56- Rail Assembly for 80 Series - Narrow Stile 43"-48" (G)	
	68-3217	56- Rail Assembly for 80 Series - Narrow Stile 33"-36" (F)	
	68-3218	56- Rail Assembly for 80 Series - Narrow Stile 37"-42" (J)	

Availability: 56-Electric Latch Retract Push Kits

Program	Options	Push Kit	Rail Size	Finishes
24-Hour	–	M56A, R56A	F	32D
1-Week & 2-Week	19-, 55-, HK-	M56A, M56B, R56A, R56B	F, J & G	03, 10, 10B, 32D

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Auxiliary Locks

4870 Series Mortise Deadbolt

The SARGENT 4870 Series Deadbolt is a heavy duty deadbolt that assures safety and security.



4870 Series

Program	Options	Functions	Finishes
24-Hour	KD	4875	26D
1-Week 2-Week	KD, SC, 60, 70, LC	4874, 4875, 4877	03, 10, 10B, 10BE, 26, 26D

Functions

4874	Cylinders O/S & I/S
4875	Cylinder O/S & Thumb Turn I/S
4877	Cylinder O/S & Thumb Turn I/S; Thumb Turn retracts Deadbolt only

Cylinder Options

KD	Keyed Different
SC	Schlage "C" Keyway
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

03	Bright Brass
10	Dull Bronze
10B	Oxidized Dull Bronze
26	Bright Chrome
26D	Satin Chrome
10BE	Dark Oxidized Satin Bronze - Equivalent

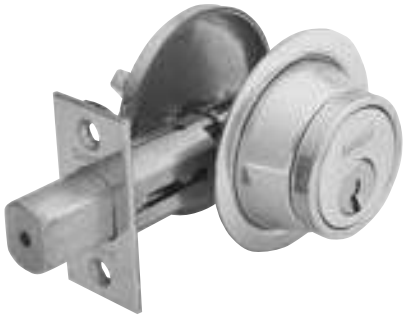
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Auxiliary Locks

470 & 480 Series Cylindrical Deadbolt



470 Line



480 Line

The 470 Series is a medium grade cylindrical deadbolt that is ANSI/BHMA A156.36 1000 Series Grade 2 certified.

The 480 Series is a high grade cylindrical deadbolt that is ANSI/BHMA A156.36 1000 Series Grade 1 certified.

470 Line

Program	Options	Functions	Finishes
24-Hour	KD	474, 475	26D
1-Week, 2-Week	KD, SC		03, 10, 10B, 10BE, 26D

480 Line

Program	Options	Functions	Finishes
1-Week, 2-Week	KD, SC, 20, 60, 70, LC	484, 485, 487, 489	03, 10, 10B, 10BE, 26D

Cylinder Options

KD Keyed Different
SC Schlage "C" Keyway
60 Disposable Construction Core
70 Interchangeable Core Disposable Plug
LC Less Cylinder

Options

20 for 2-3/8" 160 prep

Functions

474 Double Cylinder
475 Single Cylinder
484 Cylinders O/S & I/S
485 Cylinder O/S & Thumb Turn I/S
487 Cylinder O/S & Thumb Turn I/S; Thumb Turn retracts Deadbolt only
489 Turn Lever I/S & Blank Plate O/S

Finishes

03 Bright Brass
10 Dull Bronze
10B Oxidized Dull Bronze
10BE Dark Oxidized Satin Bronze Equivalent
26D Satin Chrome

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Auxiliary Locks

758 & 858 Series Padlocks

The 758 padlock is manufactured to the highest quality standard and is available with multiple keyways, allowing use into master keyed systems (6 pin cylinder standard).



758, 858 Series

Program	Options	Functions
1-Week, 2-Week	KD, 60	758, 858

Functions

758 Key retaining. Key removable in locked position only

858 Non key retaining. Key can be removed while unlocked and relocked without key

Cylinder Options

KD Keyed Different

SC Schlage "C" Keyway

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Auxiliary Locks

Auxiliary Parts

480 Line Parts

Program	Part #	Description	Finishes
1-Week, 2-Week	16-2153	Deadbolt Assembly - 2-3/8" BS	03, 04, 10, 10B, 32D
	16-2149	Deadbolt Assembly - 2-3/4" BS	
	16-2201	Screw Packs - 484	03, 04, 10, 10B, 26D
	16-2202	Screw Packs - 485, 486, 487	03, 10, 10B, 26D
	16-2203	Screw Packs - 489	
	16-2039	T-Turns-Inside - 485, 489	03, 26D
	16-2179	T-Turns-Inside - 487	
	16-2460	Dummy Plates-Outside - 489	03, 10, 10B, 26D

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Access Control
Keypad Operated Products

KP Technology

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The KP Series Keypad locks are designed for openings that require standalone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements.





B Lever



J Lever



L Lever



P Lever



G Rose
(10 Line Only)



L Rose
(10 Line Only)



LN Rose
(10 Line Only)

ET Trim



Program	Options	Functions	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	28-KP-10G77	G, L	B, J, L, P	26D

Program	Options	Functions	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	KP-8276, KP-8278	LN	B, J, L, P	26D

Program	Options	Functions	Rail Size	Trim	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	KP-8877	F	ET	B, J, L, P	32D

Cylinder Options

KD	Keyed Different
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

26D	Satin Chrome
32D	Satin Stainless Steel

Functions

28-KP-10G77	Cylinder override
KP-8276	Cylinder override and deadbolt
KP-8278	Cylinder override and no deadbolt
KP-8877	Deadbolt and no cylinder override

Rail

F	33" - 36" (84cm - 91cm)

Note: Electrified products have a total maximum quantity of 50 locks per order

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Access Control
Keypad Operated Products

LK Technology

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The SARGENT Profile Series with LK technology are stand-alone access control products that offer a high level of security and flexibility. These products need to be programmed via keypad to gain entry.

Program	Options	Functions	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	28-LK-10G77	B, J, L, P	26D

Program	Options	Functions	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	LK-8276, LK-8278	B, J, L, P	26D

Program	Options	Functions	Escutcheon	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	LK-8877	ET	B, J, L, P	32D

Cylinder Options

KD	Keyed Different
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

26D	Satin Chrome
32D	Satin Stainless Steel

Note: Electrified products have a total maximum quantity of 50 locks per order

Functions

28-LK-10G77	Cylinder override
LK-8276	Cylinder override and deadbolt
LK-8278	Cylinder override and no deadbolt
LK-8877	Deadbolt and no cylinder override

B Lever



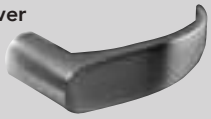
J Lever



L Lever



P Lever



ET Trim



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Access Control
Keypad Operated Products

v.G1.5 Profile Series Lock

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This version of stand-alone access control products offers the highest level of security and flexibility. These products can be programmed via keypad or SoloPlus requiring both a code (1-6 digits) and proximity card/fob/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.



B Lever



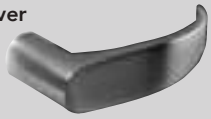
J Lever



L Lever



P Lever



ET Trim



PK



Program	Options	Functions	Escutcheon	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	28-G1-10G77	PK	B, J, L, P	26D

Program	Options	Functions	Escutcheon	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	G1-8276, G1-8278	PK	B, J, L, P	26D

Program	Options	Functions	Escutcheon	Lever	Finishes
1-Week, 2-Week	60, 70, KD, LC	G1-PK8877	ET, PK	B, J, L, P	32D

Cylinder Options

KD	Keyed Different
60	Disposable Construction Core
70	Interchangeable Core Disposable Plug
LC	Less Cylinder

Finishes

26D	Satin Chrome
32D	Satin Stainless Steel

Note: Electrified products have a total maximum quantity of 50 locks per order

Functions

28-G1-10G77	Cylinder override
G1-8276	Cylinder override and deadbolt
G1-8278	Cylinder override and no deadbolt
G1-8877	Deadbolt and no cylinder override

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Access Control
Profile Series Lock

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Electromechanical Parts and Accessories

Switches, Keypads, Key Switches & Readers

Program	Part #	Description	Finish
1-Week, 2-Week	4341	Momentary Push Button	32D
	4291	Keypad - Indoor	
	4292	Keypad - Outdoor	
	4370	One SPDT Maintain Key Switch	32D
	4371LT	One SPDT, w/2 LED's & Adjustable Time, Momentary Key Switch	
	4375LH	Two SPDT, 2 LED'S, 1 Horn, Momentary Key Switch	

Keypad Assemblies & Controllers

Program	Part #	Description	Finish
24-Hour, 1-Week, 2-Week	52-2299	Keypad Assembly for KP10G77, KP8200, KP8800, KP8900	N/A
	52-2400	Controller for KP10G77	
	52-2401	Controller for KP8200	
	52-2561	Controller for KP8800/8900 (may need to order ET-consult factory)	

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Order Form - TurboShip Cylinders/Keys

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THIS FORM IS THE PURCHASE ORDER. DO NOT SEND A COVER P.O.
DUPLICATED ORDERS CANNOT BE RETURNED.

ORDER FAX (800) 906-6606 **ORDER EMAIL: turboorders.sargent@assaabloy.com**

CUSTOMER P.O. NO. _____ DATE _____

CUSTOMER _____

CUSTOMER ACCT. NO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

FOR EDITING, DO NOT WRITE

ORD NO.

Qty	Cylinder Option	Cylinder Type	Finish

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Order Form - TurboShip Turbo~Key

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THIS FORM IS THE PURCHASE ORDER. DO NOT SEND A COVER P.O.
DUPLICATED ORDERS CANNOT BE RETURNED.

ORDER FAX (800) 906-6606 ORDER EMAIL: turboorders.sargent@assaabloy.com

CUSTOMER P.O. NO. _____ DATE _____

CUSTOMER _____

CUSTOMER ACCT. NO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

- Standard buying program % or quoted discount less 5 points
- Orders shipped within 5 business days
- $50k net/net maximum order

☐ **2-Week**

Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
- $50k net/net maximum order

FOR EDITING, DO NOT WRITE

ORD NO.

Please refer to this Catalog for all options, functions, trims, finishes and hands availability.

Qty	Options	Function	Rail Size	Trim	Finish	Hand	Item#	Door No.	Qty	Keyset	Stamp Keyset Yes/No

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Order Form - TurboShip
Bored Locks

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CUSTOMER P.O. NO. _____ DATE _____

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CUSTOMER ACCT. NO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

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Qty	Options	Function	Rose	Lever	Finish	Hand	Voltage

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Order Form - TurboShip
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ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

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☐ **2-Week**

Quote # _____

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FOR EDITING, DO NOT WRITE

ORD NO.

Qty	Options	Function	Trim	Lever	Finish	Hand	Voltage

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Order Form - TurboShip
Exit Devices

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CUSTOMER ACCT. NO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

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☐ **2-Week**

Quote # _____

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ORD NO.

Qty	Options	Exit Device x Function	Rail Size	Door Height	Trim	Finish	Hand

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Order Form - TurboShip
Auxiliary Locks

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ADDRESS _____

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BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

CITY _____ STATE _____ ZIP _____

SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

☐ **24-Hour**

☐ **1-Week**

Quote # _____

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- $50k net/net maximum order

☐ **2-Week**

Quote # _____

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Qty	Cylinder Option	Auxiliary Lock Function	Finish

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Order Form - TurboShip Access Control

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ADDRESS _____

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BUYER _____ TITLE _____

SHIP GOODS TO _____

ADDRESS _____

ATTN TO _____

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SHIP VIA _____ STD. SARGENT CARRIER _____ (OTHER) _____

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Quote # _____

- Standard buying program % or quoted discount
- Orders ship within 10 business days
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ORD NO.

Qty	Options	Function	Rail Size*	Trim	Finish	Hand

Order Forms

* Rail size applies to exit device orders only

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