

Experience a safer and more open world

1800 SERIES

Flatbar Exit Device



ASSA ABLOY is transitioning the Yale Commercial brand to ACCENTRA. This affects only the brand name; the products and product numbers will remain unchanged. Prior to May 20, 2024, products may be shipped either as Yale Commercial brand or ACCENTRA brand. Products shipping after May 20, 2024, will be branded ACCENTRA.

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1800 Flatbar Exit Devices

ASSA ABLOY ACCENTRA[™] 1800 Series Exit Devices are the ideal choice for economy commercial applications where you need consistent quality, dependability and ease of use and installation. The 1800 Series is ANSI/BHMA certified Grade 1, with durable construction and versatile mounting applications, making it ideal for a variety of facilities.

INTRODUCTION

ASSA ABLOY ACCENTRA[™] offers innovative and reliable products to solve the challenges of commercial, retail, hospitality, assisted living, mixed-use, and multi-family properties. Our door hardware expertise extends beyond products to people - and provides the service and support you expect.

Featuring durable products to meet all your facilities' requirements - and the quality you expect from a leader in the hardware industry.

ACCENTRA Exit Devices					
7000 Series	6000 Series	2100 Series	1500 Series		
BHMA estatutes	BHMA estatutes.	BHMA CENTRAL	BHMA CELATIMICO.		
 Ideal for facilities that require durability and innovation to meet their security needs Wide & Narrow Stile Applications Rim, SquareBolt, Mortise, SVR & CVR Mechanical & Electro-Mechanical Functions Available with Motorized Electric Latch Retraction Constructed with high quality steel and heavy-duty components 16 Standard finishes including BSP (Black Suede Powder Coat) ANSI/BHMA Certified Grade 1 UL Rated for Panic & Fire, Windstorm Rated Options (refer to local codes) 5 Year Warranty and Two-Year Limited Warranty on Electronic Components 	 Ideal for facilities that require modern form and full functionality to meet their life safety needs Wide & Narrow Stile Applications Rim, Squarebolt, CVR, SVR & Mortise Mechanical & Electro-Mechanical Functions Available with Motorized Electric Latch Retraction Aluminum rail assembly with Architectural Metals Solid Cast Flush End Cap ANSI/BHMA Certified Grade 1 UL Rated for Panic & Fire 10 Year Warranty and Two-Year Limited Warranty on Electronic Components 	 Ideal for commercial applicatons and budget conscious end users Narrow & Wide Stile Applications Rim, Squarebolt, CVR & SVR Mechanical Functions ANSI/BHMA Grade 1 Certified UL Rated for Panic & Fire Architectural & Painted Finishes 3 Year Warranty 	 Ideal for renovation projects where historical preservaton is the desired look Wide Stile Applications Rim, CVR, SVR & Mortise ANSI/BHMA Certified Grade 1 UL Rated for Panic & Fire Architectural & Painted Finishes 1 Year Warranty 		

BENEFITS & FEATURES

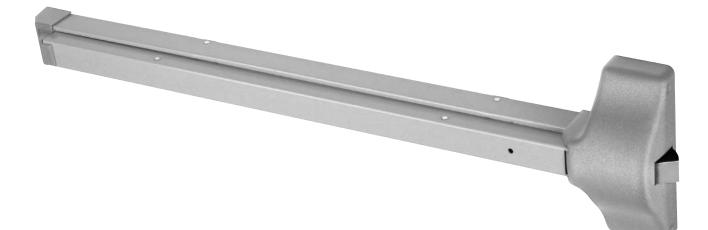
Benefits

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- **Tough:** Sturdy construction is ideal for meeting the rigors of demanding industry environments
- **Versatile:** Available in multiple finishes for both front and back of house applications
- **Economical:** Works for a variety building projects, regardless of budget
- Strong & Durable: ANSI/BHMA Grade 1 Certification ensures long life and reliability

Features

- High-grade steel components offer superior protection against wear & tear
- Available in a variety of functions and finishes for any application
- ANSI/BHMA Grade 1 certified
- UL/cUL listed for fire rated doors
- Three year warranty





*Finish available with MicroShield[®] antimicrobial coating, additional finishes by special application. Consult factory for availability.

MicroShield coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ACCENTRA makes no representations or warranties, express or implied, as to the efficacy of MicroShield.

18	1	x	0	Suffix	-xx	Outside Trim	Finish	Other Info
		Third Digit: "0" - Rim Device "1" - SVR Device		Trim Suffix: No Suffix - Panic label "F" - Fire label	Size: (DOW=Door Opening Width) "36" - 30" to 36" (76cm to 91cm) "42" - 36" to 42" (91cm to 107cm) "48" - 42" to 48" (107cm to 122cm)	Trim Model Number See pages 9-12	626 689 691 693 695	Other Information: Door Hand - RHR or LHR (SVR or Lever Escutcheon Trim only). Devices are field reversible. SN-134, 1/4-20 Sex Nuts (pack of 4). SN-104, 10-24 Sex Nuts (pack of 4). Door Thickness: over 1-3/4" (45mm). Rod Extensions: (quantity) 2010-2 (quantity) 2010-12 Shim Kits: (quantity) 2010-12 Shim Kits: (quantity) 223 (quantity) 224 Optional Strike (page 17) Removable Mullion: M200 (Panic) M200F (Fire) KRM200 (Panic) KRM200 (Panic) KRM200 (Fire) KRM200 (Fire) M200SM, Panic Exit KRM200SM, Panic Exit KRM200SM, Panic Exit

Notes:

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- It is recommended that exit devices and trim for the same opening be ordered together.
- Standard product is for 1-3/4" (44mm) reinforced metal doors.
- · Accessories detached from the device and trim should be specified separately.
- 626 finish offered for 440F series trim only.



The 1800(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. The 1800(F) can be paired with a wide variety of trims to meet many applications.



Certification/Compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware GXHX/GXHX7 - Fire exit hardware (F) (up to 4' x 8' single, 8' x 8' pairs, 3 hr.)

Features

- Designed for wide stile doors
- Non-handed for easy installation
- Steel interlock "E" bracket maintains door-tomullion relationship in fire-labeled devices

ANSI/BHMA Certified: A156.3 Type 1, Grade 1



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Applications

- Single swing doors
- Pairs of doors (mullion required)
- Metal, wood or composite door materials

Specifications

Door Opening Width	-36 for 30" - 36" (76cm - 91cm) doors -42 for 36" - 42" (91cm - 107cm) doors -48 for 42" - 48" (107cm - 122cm) doors		
Door Thickness	1-3/4" (44mm) standard. Refer to page 18 for other door thicknesses		
Minimum Stile Width	4-1/2" (114mm)		
Projection 2-1/2" (64mm) active, 1-3/4" (44mm) depressed			
Strike	757F, 793 optional (double door application)		
Trims	210F series utility trim, 420F series escutcheon trim, 440F series rose trim		
Dogging	Hex key dogging supplied standard on panic devices		
Finishes	689, 691, 693, 695		
Options	Shim Kit #223, Sex Nuts and Bolts		
Warranty	3-year limited		

1810(F) SURFACE VERTICAL ROD

The 1810(F) is a surface vertical rod exit device to be used on metal, wood or composite pairs of doors up to 8' where two-point latching is desired.

Certification/Compliance

FVSR/FVSR7 - Panic hardware UL/cUL Listed: GXHX/GXHX7 - Fire exit hardware (F) (up to 4' x 8' single, 8' x 8' pairs, 3 hr.) ANSI/BHMA

Certified:

A156.3 Type 2, Grade 1

Features

- · Designed for wide stile and flush doors
- Handed, specify hand (field reversible)
- Positive action linkage on a deadlocking top Pullman bolt
- · Simultaneous direct pull bottom deadbolt
- · When unlatched, device keeps both bolts retracted until door is shut

pecifications	
Door Opening Width	-36 for 30" - 36" (76cm - 91cm) doors -42 for 36" - 42" (91cm - 107cm) doors -48 for 42" - 48" (107cm - 122cm) doors
Door Opening Height	Standard door height 7' (213cm), with the device centerline at 39-15/16" (101cm) from floor Optional heights up to 8' (244cm) by using rod extensions
Door Thickness	1-3/4" (44mm) standard. Refer to page 18 for other door thicknesses
Minimum Stile Width	4-1/2" (114mm)
Projection	2-1/2" (64mm) active, 1-3/4" (44mm) depressed
Strike	Top: Roller type 791. Bottom: Flush mounted 790. 794 floor strike optional (threshold openings), 702 optional (Bottom Pullman Latch)
Trims	210F series utility trim, 420F series escutcheon trim, 440F series rose trim
Dogging	Hex key dogging supplied standard on panic devices
Finishes	689, 691, 693, 695
Options	Shim Kit #224, Sex Nuts and Bolts, Bottom Pullman Latch (panic only)
Warranty	3-year limited

Sp

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Double egress · Metal, wood or composite door materials

Applications

· Pairs of doors



TRIM DESIGNS

Escutcheons



Roses



Plate Trim



Standard Levers

AU Augusta 🐱	MO Monroe 🕭	PB Pacific Beach &		
Projection: 2-5/16" (59mm)	Projection: 2-3/16" (71mm)	Projection: 2-3/4" (70mm)		

420F Series Wide Escutcheon Trim

- Co
- Certified ANSI/BHMA A156.3, Grade 1.
- Through-bolted. 1-3/4" (44mm) door standard. For doors thru 2-1/4" (57mm) or shimmounted devices, specify on order.
- Dimensions: 2-1/2" x 9-1/2" x 1/4" (64mm x 241mm x 6mm).
- Cylinders not included. For rim cylinders, see pages 15-16.
- Lever styles: AU, MO, PB
 - Finishes: 630, 689, 691, 693, 695.
 - 1-year warranty.
 - Ordering Example: PB428F x LHR x 689.

				L.		<u>k</u>		
Application	Cylinder	Exit Only Blank Plate	Nightlatch	Classroom/ Storeroom	Nightlatch	Dummy Free Wheeling	Passage	Dummy Rigid Lever
1800(F) 1810(F)	Rim	420F	421F*	426F	427F*	428F	428F	429F
ANS	5	01	03	08/09	03	02	14	02

*Not recommended for use with 1810(F) surface vertical rod exit devices.

Note: 09 and Free Wheeling 02 achieved with single trim modification at installation.

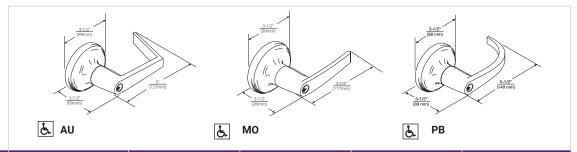
TRIM DESIGNS



440F Series Rose Trim



- Certified ANSI/BHMA A156.3, Grade 1.
- 440F rose trim for stock doors (161 Prep).
- 1-3/4" (44mm) door standard. For doors thru 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Cylinders included, accepts component cylinders. See pages 15-16.
- Finishes: 626, 689, 691, 693, 695.
- "B" trim prefix Lever trim accepting small format interchangeable cores (SFIC). Specify 6- or 7-pin.
- (Example: B-AU446F)
- 2-year warranty.
- Ordering example: AU446F x RHR x 693.



Application	Nightlatch Access by Key	Classroom	Dummy Trim Free Wheeling Lever	Passage Lever	Dummy Trim Rigid Lever
1800(F) 1810(F)	441F*	446F	448F	448F	449F
ANSI	03	08	02	14	02

*Not recommended for use with vertical rod exit devices.

TRIM DESIGNS

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210F Series Trim



- Thrubolted. 1-3/4" (44mm) door standard. For doors thru 2-1/4" (57mm) or shim-mounted devices, specify on order.
- Plate Dimensions: 3-1/2" x 3-3/4" x 3/32" (89mm x 95mm x 2mm).
- Finger Pull Dimensions: 3-1/2" x 6-3/4" x 1/8" (89mm x 171mm x 3mm).
- Cylinders not included. For rim cylinder options, see pages 15-16.
- Finishes: 689, 691, 693, 695.
- 1-year warranty.

Application	Cylinder	Nightlatch Access by Key	Dummy Trim Pull Plate	Nightlatch Cylinder x Pull
1800(F) 1810(F)	Rim	213F*	214F	217F*
ANSI		03	02	03

*Not recommended for use with1810(F) surface vertical rod exit devices.

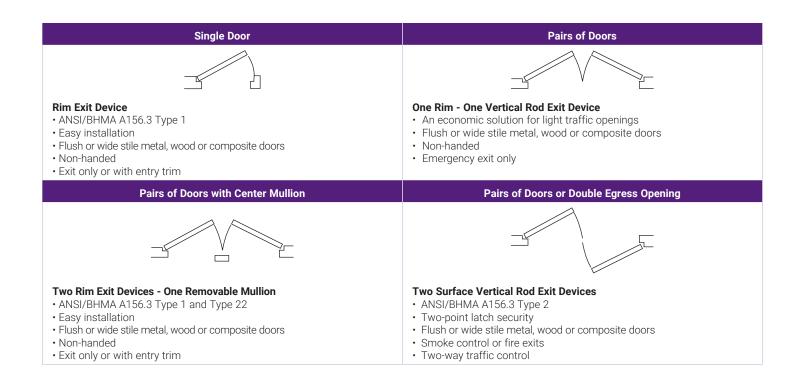
FUNCTIONS

ANSI types 1 (Rim) and 2 (Surface Vertical Rod) exit device requirements are met (or exceeded) by 1800(F) and 1810(F) respectively. Any of these exit devices may be used with any of the trim on the following chart. Trims are charted according to ANSI trim function and illustrations show typical function features, rather than pictorial renderings of the trims listed. Specific trim details are shown on pages 9-12.

	Device (ANSI)	Rim (T	ype 1)	SVR (1	ype 2)	
Trim	Options	180 (Pag	0(F) je 7)	1810(F) (Page 8)		
ANSI			Function			
01	Exit Only, No Trim/Exit Only, Blank Plate		420F		420F	
02	Pull to Open (Dummy Trim)		214F 448F* 428F* 449F* 429F		214F 448F* 428F* 449F* 429F	
03	Key Retracts Latchbolts (NL)		213F 427F 217F 441F 421F		213F 427F 217F 441F 421F	
08	Entrance by Lever (Key Locks/Unlocks Lever)		426F 446F		426F 446F	
09	Key Unlocks Lever (Key Removable When Locked)		426F*		426F*	
14	Lever Always Active (Passage)		428F 448F		428F 448F	

*Trims marked with an asterisk on the Application Chart require an easy field change to adapt them for the charted function.

APPLICATIONS



CYLINDERS

Illustration	Туре	Model Number	Number of Pins
	Cylinder used for trim series 210F and 420F	1109	6
	Cylinder used for trim series 440F	1802	6
	Cylinder used for KRM200SM and KRM200(F)	2153	6

Keying

All cylinders furnished standard 6-pin, keyed random in ACCENTRA PARA keyway, pinned to ACCENTRA .019" specification. Each cylinder furnished with two nickel silver keys.

Options

Cylinders available 0-bitted, keyed alike, master keyed or construction master keyed upon request.

Small Format Interchangeable Core (SFIC)

Model/	Description		Number of Pins (Specify)		Ordering Example	
Prefix		Length	6-Pin	7-Pin		
B-	Prefix for cylindrical lever with SFIC prep. Less core. For use with 440F series trim.	_	_	_	B-AU446F x 693	
1/600	Rim SFIC housing only.	1-1/4"	Х	_		
K680	For use with 210F and 420F series trim.	1-3/8"	Х	Х	AU426F x K680 x 1-1/4" x 693	
V660	Mortise SFIC housing only.	1-1/4"	Х	_		
K660	For use with Key Removable Mullion.	1-3/8"	Х	Х	KRM200F x K660 x 1-1/4"	

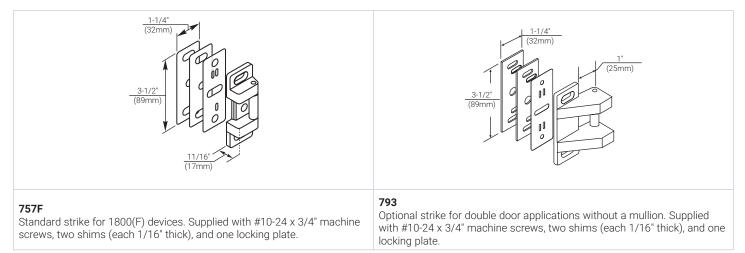
Competitor Keyway Cylinders/Cores

Illustration	Туре	Model Number	Number of Pins
	Best® Keyway Core. Available keyed random, master keyed or uncombinated. Specify keyway A, B, C, D, E, F, G, H, J, K, L or M.	A600	6 or 7
	Schlage [®] "C" Keyway Cylinder. For use with 210F and 420F series trim. Available 0-bitted or keyed random.	2109	6
	Schlage® "C" Keyway Cylinder. For use with 440F series trim. Available 0-bitted or keyed random.	2802	6
	Rim SFIC Cylinder. Includes Best Keyway Core. For use with 210F and 420F series trim. Available keyed random, master keyed or uncombinated. Specify keyway A, B, C, D, E, F, G, H, J, K, L or M.	A640	6 or 7 Specify Length: 1-1/4" (6-pin only) 1-3/8" (6- or 7-pin)
	Mortise SFIC Cylinder. Includes Best® Keyway Core. For use with Key Removable Mullion. Available keyed random, master keyed or uncombinated. Specify keyway A, B, C, D, E, F, G, H, J, K, L or M.	A620	6 or 7 Specify Length: 1-1/4" (6-pin only) 1-3/8" (6- or 7-pin)
	Schlage® "C" Keyway Cylinder. For use with Key Removable Mullion. Available 0-bitted or keyed random.	2553	6

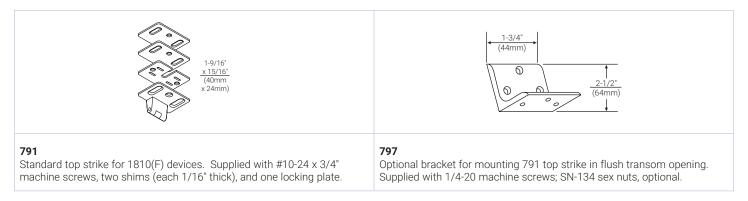


STRIKES

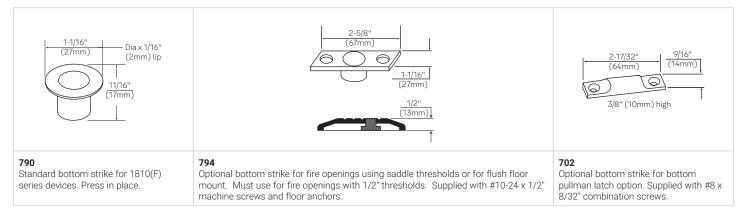
Rim Devices



Vertical Rod Devices - Top Strikes



Vertical Rod Devices - Bottom Strikes



ACCESSORIES

Shim Kits

Shim kits are available for devices on doors with interfacing molding. Each shim kit contains:

- 2 sets of 1/8" shims (shim up to 1/4")
- Longer fasteners
- Longer connecting bar for the trim
- Installation instructions

223 – Shim Kit for 1800(F) Series rim exit devices 224 – Shim Kit for 1810(F) Series surface vertical rod exit devices

Extension Rods

1810(F) surface vertical rod devices are supplied standard for 7' (213cm) standard. Rods may be field cut or used with extension rods for other heights. To order, specify:

Model Number	Length
2010-2	2" (51mm)
2010-6	6" (153mm)
2010-12	12" (305mm)

Specialty Fasteners

Sex Nuts:

Required for wood, composite or unreinforced metal doors. To order specify:

- SN-104 pack of (4) 10-24 sex nuts for all fire rim exits
- SN-134 pack of (4) 1/4-20 sex nuts for all devices

Wood Door Fasteners:

For solid core wood doors, permitted if pilot holes are used to install screws. Consult the factory for availability.

Torx® Security Screws available for factory product orders.

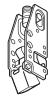
Long Tailpiece Kit

Long tailpiece kit for use with escutcheon series trim, up to 4-1/2" thick doors. Specify part number to order.

Door Thickness	Trim Type	Part Number
2" - 2-1/2"	420F Series Trim	81-9500-1665-000
2-1/2" - 3-1/2"	420F Series Trim	81-9500-1635-000
3-1/2" - 4-1/2"	420F Series Trim	81-9500-1636-000

Bottom Pullman Latch

Optional bottom Pullman latch available for panic-listed vertical rod exit devices. To order with devices, specify "BPL." 702 bottom strike required, see page 17.



MULLIONS



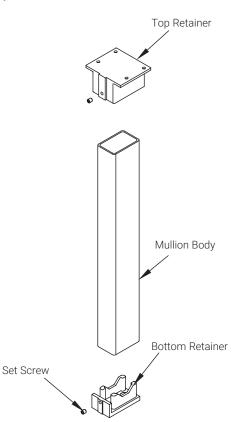
M200(F) Removable Mullion

M200(F) steel mullions are for use with 1800(F) Series exit devices. Mullions may be field cut to fit opening. Gray paint finish.

- M200 panic rated.
- Tubular steel, 2" x 3" (51mm x 76mm). Specify 7'2".
- M200F 3 hour fire rated. Tubular steel, 2" x 3" (51mm x 76mm). Specify 7'2" or 10'1 (Fire rated up to 8').

Notes:

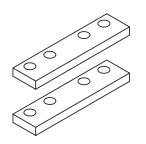
1. For 8' length Mullion must be order as M200F option and cut in the field to 8' size.



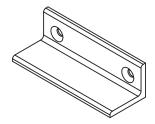
M200(F) Options

M203 Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.



 M204 Angle Bracket
 Recommended for any header configuration with less than 3" (76mm) of mounting surface.



MULLIONS

Mullion Body

KRM200(F) Keyed Removable Mullion (Krm)

Keyed removable mullions are for use with 1800(F) series exit devices. They are designed for simple removing when an unobstructed large opening is required and easy replacement and locking to maintain the integrity of the opening.

- KRM200 panic rated. Specify 7'2".
- KRM200F 1-1/2 hour fire rated. Specify 7'2" or 10'¹ (Fire rated up to 8')

Notes:

1. For 8' length Mullion must be order as KRM200F option and cut in the field to 8' size.

KRM Features

- · Easy cylinder installation.
- Mullion automatically relocks when reinstalled without the use of the cylinder key.
- When ordering, add KR prefix to mullion, example: KRM200 and KRM200F.

Split Mullion

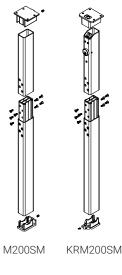
Hassle-free transportation with a 30% smaller packaging size. Mullions may be field cut to fit opening. Gray painted finish. Available only in 8'. When ordering add suffix SM, example M200SM and KRM200SM

M200SM Standard

- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).

KRM200SM Key Removable Split Mullion

- Easy cylinder installation.
- Panic rated. Specify 8'
- Tubular steel, 2" x 3" (51mm x 76mm).



KRM Options

M203 Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing or for applications with 5-3/4" (146mm) or less door frames.

Top Retainer

Locking Mechanism

Cylinder Collar

Security Screw

Bottom Retainer

(Sold Separately)

Wave Washer

Cylinder

(Included with Collar)

(Sold Separately)

M204 Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface.



KRM Collars

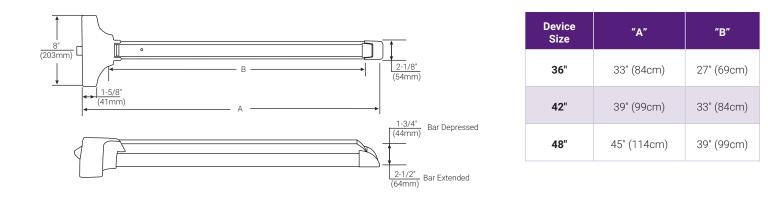
Cylinder Model #	Length	Collar Requirement
2153 or 2553	1-1/4"	1765.312
	1-1/4"	1765.406
A620 or K660	1-3/8"	1765.563



As with any exit device trim, you must order a cylinder and collar if one is required. The keyed removable mullion accepts a mortise cylinder. Refer below and to pages 15-16 for details.

ACCENTRA ASSA ABLOY

DIMENSIONS



TECHNICAL SPECIFICATIONS & LISTINGS

ANSI/BHMA

Certified ANSI/BHMA A156.3, Grade 1.



Fire Listings

1800 series exit devices are UL-cUL Listed for use on fire doors having a rating up to and including 3-hours.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY ACCENTRA[™] 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.

Free Wheeling Lever Trim

1800 series exit device lever trims feature the unique Free Wheeling lever mechanism. This Free Wheeling trim features a clutch mechanism which allows the lever to float down 60° when operated in the locked condition, greatly improving vandal resistance.

ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

Warranty

The 1800 series exit devices carry a three-year warranty. Cylindrical trims (440F) carry a two-year warranty. Escutcheon trims (420F) carry a one-year warranty. NOTES



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.



TECHNICAL SUPPORT

(troubleshooting, product use and application, returns) Tel: 855-557-5078 Email: techsupport.accentra@assaabloy.com

CUSTOMER SUPPORT

(orders, product configuration, pricing, lead-time) Tel: 855-557-5078 x2 Email: <u>Customerservice.Accentra@assaabloy.com</u>

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