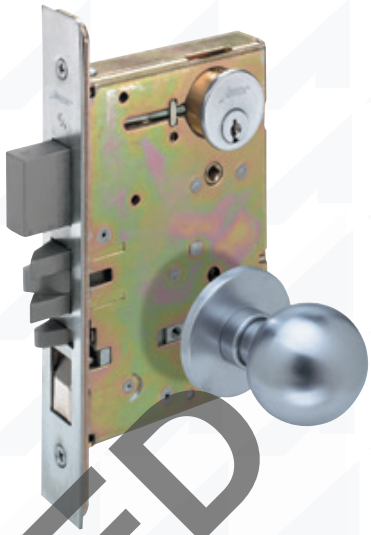
ARROW LOCK & DOOR HARDWARE

ASSA ABLOY

Experience a safer
and more open world



AM Series Mortise Locks

DISCONTINUED



AM Series Mortise Locks

Features:

Handing – Handed; field reversible. The lockset can be re-handed without disassembling the lock case.

Door Thickness – 1-3/4" (4mm) standard.

Backset – 2-3/4" (70mm).

Lockcase – Heavy gauge steel, with zinc dichromate finish for corrosion resistance. 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Armored Front – Heavy gauge steel, 8" (203 mm) x 1-1/4" (32mm) x 3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Faceplate – Wrought brass, bronze or stainless steel. Attached by machine screws to lockcase front.

Latchbolt – Stainless steel, 2 piece mechanical with anti-friction insert. 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt – 9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt – One-piece stainless steel, 19/32" (15mm) x 1 1/4" (32mm) x 1" (25mm) throw.

Hub – Knob: nickel steel, 5/16" (8mm) and 9/32".

Spacing – Center to center, hub to cylinder: 3-5/8" (92mm).

Strike – Wrought brass, bronze or stainless steel. ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) 1-1/8" (29mm) lip to center. Optional ANSI wrought strike box available.

Keying Features Available – Conventional mortise cylinders - AM and BM mortise locksets are supplied standard with solid brass 6-pin cylinders with two nickel silver keys. The Arrow AR keyway is standard with optional keyways Arrow sectional keyways and Schlage C keyway. Keyed different is the standard with keyed alike, O-bit, and master keying available. Optional prep for small format interchangeable core cylinders is available in 6-pin or 7-pin mortise housings (SFIC cylinder not included).

Warranty – Five-year limited.

Standardized Case – One size case for uniform mortising.

Reversibility – Locks are easily reversed for change of hand.

Self Aligning Trim – Standard with rose trim. Eliminates bind, facilitates installation, gives support and saves labor.

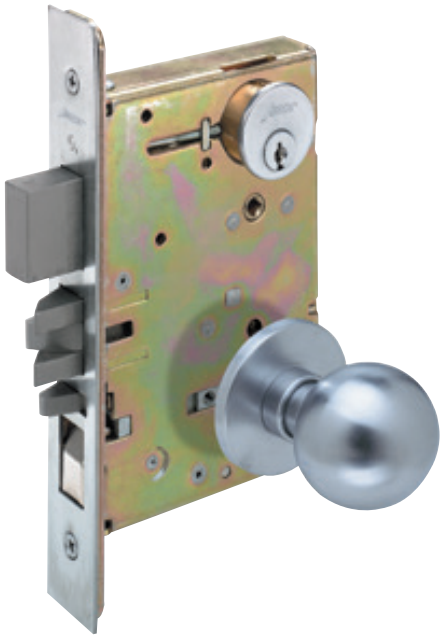
Designs – Broad spectrum of designs including knobs for roses and escutcheons in architectural finishes.

Complete Range of Functions – To meet all requirements.



This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Arrow mortise locks are intended for heavy duty use in schools, hospitals and commercial buildings where security, durability and low maintenance are required. They are engineered for strength and performance, and precisely manufactured to exacting standards.



Applications:

Arrow mortise locks are offered in a complete range of functions designed for commercial, institutional and industrial applications. They are engineered for strength and performance, and precisely manufactured to exacting standards.

A wide selection of trim designs and functions are offered which meet or exceed the performance requirements of ANSI/BHMA Grade 1.

Arrow mortise locks can be found in the following types of facilities:

- Schools
- Office Buildings
- Multi-Family Housing
- Hospitals
- Government

AM Series Mortise Locks

Advantages:

- Easily reversible, enabling the user to reverse hands without disassembling lock case.
- Meets or exceeds ANSI/BHMA operational Grade 1 requirements.
- Throughbolted trim designs for proper alignment and increased security.
- Many trim designs to complement Arrow cylindrical locks and exit device trims.
- Keyed into new or existing Arrow or competitive master key systems.

* Note: Not all trim designs available in all finishes.

Certification & Compliance:

ANSI/BHMA

- Certified A156.13 Series 1000, Operational Grade 1.

UL/ULC Positive Pressure

- All locks listed for A Label and lesser class doors, 4" (122cm) x 10" (305cm) single or 8" (244cm) x 10" (305cm) pair. Letter F and UL symbol on armored front indicate listing.

California State Reference Code

- All levers with returns comply; levers return to within 1/2" (13mm) of door face.
- Meets ADA requirements (Americans with disabilities Act).
- Acceptable Door Hardware: Section 4.13.9
- Handles, pulls, latches and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require grasping, tight pinching or twisting of the wrist to operate. Lever operated mechanisms, push-type mechanisms and "U" shaped handles are acceptable designs.

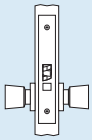
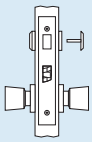
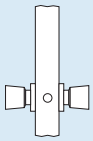
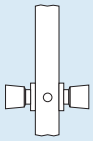
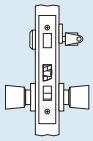
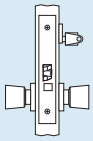
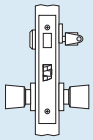
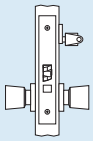
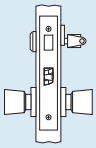
Look for the universal symbol next to Arrow products that comply with ADA accessibility requirements.

Finishes:

BHMA	US Equivlent	Arrow Code	Finish Description	
605	US3	03	Bright Brass	
606	US4	04	Satin Brass	
612	US10	10	Satin Bronze	
613	US10B	10B	Dark Oxidixed Satin Bronze, Oil Rubbed	
625	US26	26	Bright Chromium Plated	
626	US26D	26D	Satin Chromium Plated	

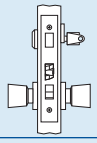
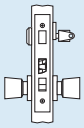
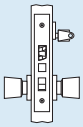
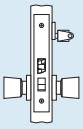
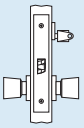
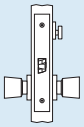
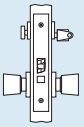
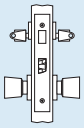
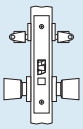
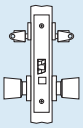
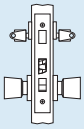
AM Series Mortise Locks

Premier Product

ARROW	FUNCTION	ANSI	BM SERIES	DESCRIPTION
01	Passage	F01		Latchbolt by knob either side
02	Privacy	F19		Latchbolt by knob either side, except when outside is locked by turnpiece inside. Outside emergency release or operating from inside unlocks lock. Inside knob retracts both bolts.
08	Single Dummy Trim	--		Rigid knob one side of door only. Plug through edge of door ensures stability.
09	Double Dummy Trim	--		Rigid knob both sides of door. Plug through edge of door ensures stability.
11	Apartment/ Front Door	F12		Latchbolt by knob either side except when outside knob is locked by stopworks in lock front, or when the deadbolt is projected. Deadbolt operates by key outside and turnpiece inside. Turning inside knob will retract latchbolt and deadbolt simultaneously.
12	Storeroom	F07		Outside knob always rigid. Latchbolt retracted only by key outside or by inside knob. Auxiliary latchbolt deadlocks latchbolt.
13	Apartment/ Front Door	F21		Latchbolt operated by knob either side. Deadbolt operated by key outside and turnpiece inside. When deadbolt is projected, key outside will retract deadbolt, then latchbolt.
17	Classroom	F05		Latchbolt operated by knob either side, except when outside knob is locked by key outside. Key operates latch or unlocks outside knob. Inside knob is always free. Auxiliary latchbolt deadlocks latchbolt.
19	Dormitory/Exit	F13		Latchbolt operated by knob either side. When outside knob is locked by projected deadbolt, (by inside turnpiece or outside key) key outside will retract deadbolt, then latchbolt. Turning inside knob will retract latchbolt and deadbolt simultaneously, which will unlock outside knob. When deadbolt is projected, the latchbolt is deadlocked.

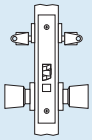
AM Series Mortise Locks

Premier Product

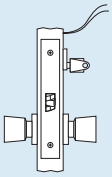
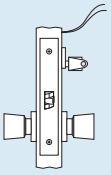
ARROW	FUNCTION	ANSI	BM SERIES	DESCRIPTION
20	Entrance/Dormitory	F20		Latchbolt operated by knob either side, except when outside knob is locked by stopworks in lock front, or by projecting deadbolt by turnpiece inside or key outside. Turning inside knob will retract latchbolt and deadbolt simultaneously. Deadbolt operated by turnpiece inside or key outside. When deadbolt is projected the latchbolt is deadlocked. Auxiliary latchbolt deadlocks latchbolt.
21	Front Door	F08, F10		Latchbolt operated by knob either side except when outsideknob is locked by stopworks in lock front. Deadbolt is operated by turnpiece inside. Key outside operates both bolts.
22	Office	F04		Latchbolt operated by knob either side except when outside knob is locked by stopworks in lock front then operated by key outside. Auxiliary latchbolt deadlocks latchbolt.
23	Vestibule	--		Latchbolt operated by knob either side, except when outside knob is locked by stopworks in lock front, then operated by key outside.
24	Storeroom	--		Latchbolt operated by knob inside and by key outside. Outside knob always rigid. Inside knob always free.
26	Privacy	F22		Latchbolt by knob either side, except when outside is locked by turnpiece inside. Operating inside knob, closing door, or with outside emergency release unlocks outside.
27	Institutional	--		Latchbolt by knob either side, except when Privacy outside is locked by turnpiece inside. Operating inside knob or closing door unlocks outside. Key outside retracts latch at all times, even if thumbturn is held in locked position. Auxiliary latch deadlocks latchbolt.
31	Storeroom	F14		Latchbolt operated by knob either side. Deadbolt is operated by key from either side. When deadbolt is projected, key either side will retract deadbolt, then latchbolt.
32	Vestibule	F09		Latchbolt operated by knob either side, except when outside knob is locked by key from the inside cylinder. When outside knob is locked, latchbolt is retracted by key outside or by knob inside. Auxiliary latchbolt deadlocks latchbolt.
33	Storeroom	F30		Both knobs rigid at all times. Auxiliary latchbolt deadlocks latchbolt. Latchbolt operated only by key from either side.
34	Storeroom	F35		Latchbolt operated by knob either side except when the outside knob is locked by stop works in lock front then operated by key outside or by knob inside. Deadbolt operated by key from either side.

AM Series Mortise Locks

Premier Product

ARROW	FUNCTION	ANSI	BM SERIES	DESCRIPTION
37	Classroom	F32		Latchbolt by knob either side. Except when outside is locked from inside or outside by key. When outside is locked, latchbolt is retracted by key from inside or outside or by operating inside knob. Auxiliary latch deadlocks latchbolt.
40	Deadlock	F18		Deadbolt operated only by key outside. (No trim)
41	Deadlock	F17		Deadbolt operated by key outside and turnpiece inside. (No trim)
42	Deadlock	F16		Deadbolt operated by key from either side. (No trim)
44	Classroom Deadlock	--		Deadbolt by key outside. Turnpiece will retract but will not project bolt.

Electrical Lock Functions:

AM17 SUFFIX	VOLTAGE	CURRENT	BM SERIES	DESCRIPTION
177 179	12V AC/DC 24V AC/DC	612mA 330mA		FAIL SAFE: Power on locks outside knob. Inside knob always free. Latch retracted by key when locked electrically.
181 183	12V AC/DC 24V AC/DC	612mA 330 mA		FAIL SECURE: Power off locks outside knob. Inside knob always free. Latch retracted by key when locked electrically.

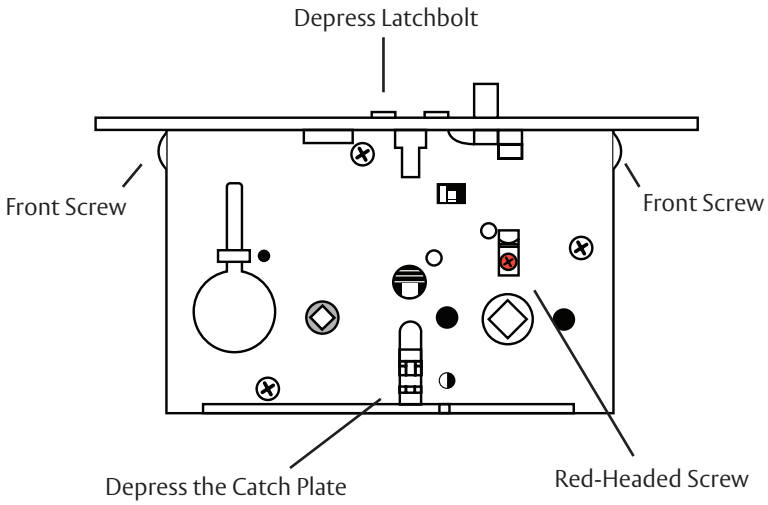
Reversing Hand:

Mortise Locksets AM Series

Please read completely before proceeding and review the drawing below.

Minimal force is required to reverse handing.

1. Remove the armored front.
2. Remove the lockset from the door.
3. Fully depress the latchbolt and hold in the depressed position.
4. With minimal force, depress the catch plate, located at the end of the latchtail, through the oblong cutout in the lockcase cap. While depressing the catch plate, release the latchbolt and remove latch from the lock.
5. Turn the latchbolt over and reinstall into the lock.
6. Depress the latchbolt until it re-engages the tail socket.
7. Remove the red headed screw from the stopworks and place it in the stopworks on the opposite side of the case.
8. Loosen the front screw to change the bevel. Tighten the front screws.
9. Reinstall the lock and armored front into the door.
10. If changing bevel only, i.e. RH to RHR. Omit step 7.



AM Series Mortise Locks

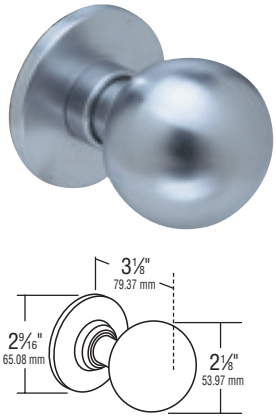
Premier Product

BD

Knob: B

Rose: D- Wrought Brass or Bronze

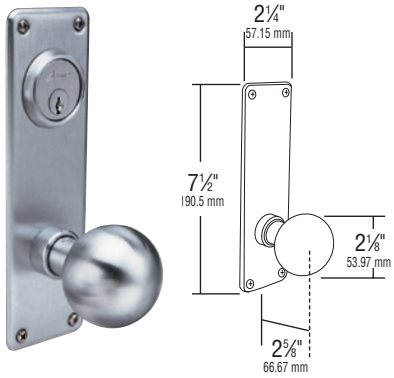
Also Available with A Rose



BG

Knob: B

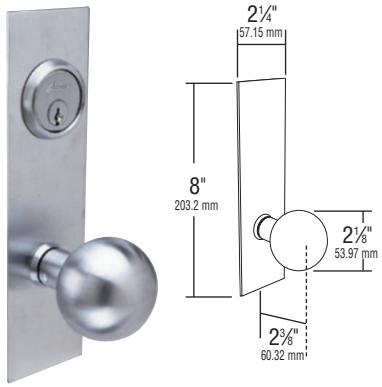
Escutcheon: G- Wrought Brass or Bronze



BH

Knob: B

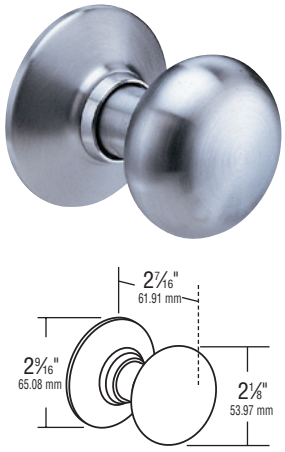
Escutcheon: H- Wrought Brass or Bronze



TA

Knob: T

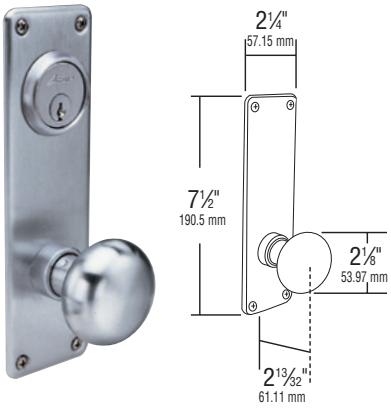
Rose: A- Wrought Brass or Bronze



TG

Knob: T

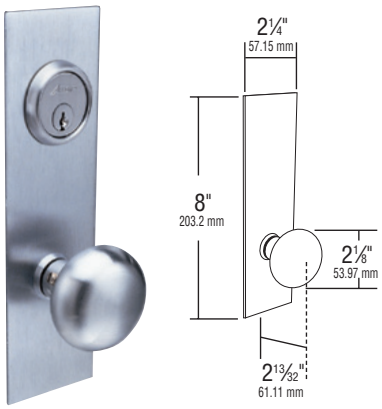
Escutcheon: G- Wrought Brass or Bronze



TH

Knob: T

Escutcheon: H- Wrought Brass or Bronze



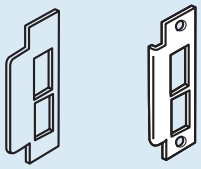
AM Series Mortise Locks

Premier Product

Strikes:

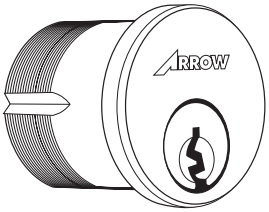
ANSI Straight Lip (standard)
- Brass or Stainless Steel
- Non-handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center

ANSI Curved Lip
- Brass or Stainless Steel
- Handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center

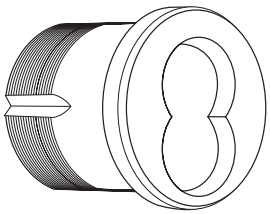
		PART NO.	DESCRIPTION
All Latchbolt and Latchbolt x Deadbolt Functions		460	Straight Lip
		468	Curved Lip for RH
		466	Curved Lip for LH

Cylinder:

Cylinder
- MC61 - 1-1/8" for 1-3/4" door. Collar -16-113A
- Finishes - 3, 4, 10, 10B, 32, 32D.

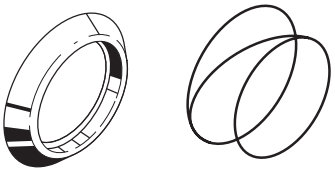


Cylinder for Interchangable Core
- 16CR-16 - 6 pin-1-1/8"
- 16CR-27 - 6 or 7 pin 1-1/4"
- Collar - 16 -113A
- Finishes - 3, 4, 10, 10B, 26, 26D



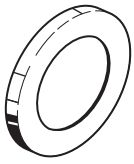
Cylinder Collars:

I.C. Mortise Cylinder Collar 16-113A
(Standard for 16CR-14, 16CR-26, 16CRH-26)

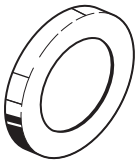


Spacer Rings:

16CR-123-1
1-1/8" Thick



16CR-123-1
1-1/4" Thick

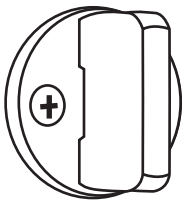


16CR-123-1
(Standard for 16RCH-26)
3/8" Thick



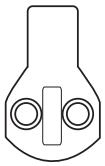
Thumb Turn 16-17A:

- Furnished with rose trim. For escutcheon trim, thumb turn is mounted on escutcheon.
- Finishes - 3, 4, 10, 10B, 26, 26D.



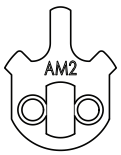
Cams:

001



Used wtih functions 12, 17, 22, 23, 24, 27, 32 (I/S), 33, 37.

AM2



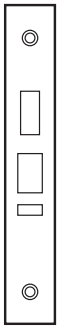
Used wtih deadbolt functions 11, 13, 19, 20, 21, 31, 32 (O/S), 43, 38, 40, 41, 42, 44.

AM Series Mortise Locks

Premier Product

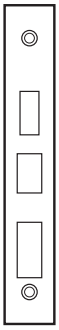
Face Plates (Scalps):

Part No.
AM-15-305



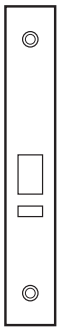
Function
38

Part No.
AM11-305



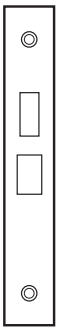
Function
11, 21, 34

Part No.
AM12-305



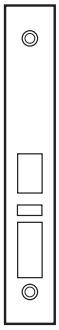
Function
07, 12, 17, 27, 32, 33, 37

Part No.
AM02-305



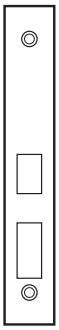
Function
02, 13, 19, 31

Part No.
AM22-305



Function
22

Part No.
AM23-305



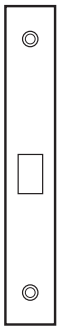
Function
23

Part No.
AM41-305



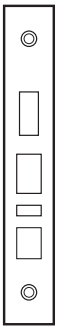
Function
40, 41, 42, 44

Part No.
AM01-305



Function
01, 24, 26

Part No.
AM20-305



Function
20

Spindle:

Knob Spindle
AM 385A-For trim with "H" escutcheon
AM 386A-For trim with "G" escutcheon and all rose trim



AM Series Mortise Locks

Suggested Specification AM:

All locksets shall be Mortise Locksets as supplied by Arrow Lock company.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32", chrome plated for corrosion resistance and lubricity of parts. The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" backset, a full 3/4" throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" throw deadbolt, and shall be available for a minimum door thickness of 1-3/8". Internal parts shall be heavy gauge steel, zinc dichromate plated for corrosion resistance.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Cylinder options shall include interchangeable core.

Lock trim (knob, lever, sectional or escutcheon) shall be throughbolted through the lockcase to assure correct alignment and proper operation.

Certification:
UBC-7(1997) and UL10C-Positive Pressure
ANSI A156.13 Series 1000, Operational Grade 1
ANSI A117.1, Accessibility Code, 1989 (Formerly Tile 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a five-year limited warranty.

BHMA CERTIFIED

Order Example:

Example:
To order a AM Series Apartment function Mortise lock with TA design, satin chrome finish, with a straight lip strike, right handed, keyed different.

Specify:
Standard:

Series	Function	Design	Finish	Strike	Handing	Keying	Options (if required)
RL	11	TA	26D	460	RH	KD	XXX

AM Series Mortise Locks

Competitor Indicator Kits

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. Upgrade existing Best® or Schlage® mortise locks with a retrofit indicator kit from Arrow. These kits offer a seamless upgrade to existing sectional mortise locks to add security and privacy from Arrow.



Cylinder* Cointurn Thumbturn Blank/No Input

Finishes:

BHMA	US Equivlent	Arrow Code	Finish Description
605	US3	03	Bright Brass
606	US4	04	Satin Brass
612	US10	10	Satin Bronze
613	US10B	10B	Dark Oxidixed Satin Bronze, Oil Rubbed
625	US26	26	Bright Chromium Plated
626	US26D	26D	Satin Chromium Plated
629	US32	32	Bright Stainless Steel
630	US32D	32D	Satin Stainless Steel

Features:

- Can be mounted on the inside, outside or both sides of the door
- Available for a variety of Best® and Schlage® 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
- Multiple color, text, graphic and language combinations available
- Covers existing Best® or Schlage® sectional trim indicator preps
- Two-year warranty

Typical Applications:

- Classroom doors
- Privacy rooms
- Nursing/new mother rooms
- Patient rooms
- Restrooms
- Meeting rooms

Certifications:

- UL/cUL Classified for use on 3 hr doors using Schlage® L9000 or Best® 45H/34H/35H mortise locks

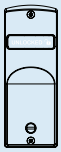
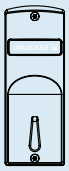
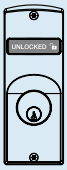
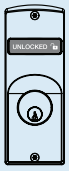
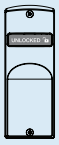
Premier Product

Schlage® Mortise Locks

Sectional trim indicator kits are available to retrofit to Schlage® L series mortise locks. Kits can be ordered to be used on the inside, outside or both sides of the door. Each kit includes a single side indicator plate with mechanism, screw pack, plastic template and instructions.

- Kits available for use on sectional trim installations only
- Can be used with A, B, C, AVA or MER roses. Roses greater than 3-1/4" in diameter cannot be used.
- L/LV9040 and L/LV9044 privacy functions will use a coin turn for emergency override

The following chart details the functions that can be accommodated.

Schlage® Function	Illustration	Description	Outside	Inside
L/LV9040		Privacy F22	 ASC193	 ASC194
L/LV9044		Privacy		
L/LV9050		Privacy		
L/LV9456		Office F04	 ASC190*	 ASC190*
L9473		Corridor F13		
L/LV9060		Dormitory F21		
L/LV9071		Apartment Entrance Lock F09		
L/LV9077		Classroom Security F32		
L/LV9457		Classroom Security F33		
L/LV9458		Classroom Security F34		
L9466		Store/utility Room Lock with Deadbolt F14		
L/LV9070		Classroom Lock F05		 ASC197

*Cylinder not included. Accepts a standard 1-1/8" mortise cylinder.

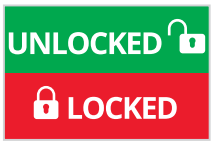
Function numbers, illustrations and descriptions above are from the Schlage® L series catalog. Refer to that catalog for more information and function details.

AM Series Mortise Locks

Premier Product

Indicator Option Codes

Mortise indicator option codes are designed to convey wording and color in one simple code.



V10



V40


V20



V50



V30


V60

Option Code	Wording	Color
V10	Unlocked/Locked	Green/Red
V20	Vacant/Occupied	Green/Red
V30	Icons Only	Green/Red
V40	Unlocked/Locked	White/Red
V50	Vacant/Occupied	White/Red
V60	Icons Only	White/Red

How to Order

To order, specify by model number. Door thickness and indicator option code must be specified with each kit. Competitor indicator kits are handed and easily field reversible. All units are shipped from the factory with a default handing. Handing must be field verified and adjusted as needed per product installation instructions.

Schlage®

Model Number	Door Thickness	Finish	Option Code
ASC190	1-3/4"	626	V10

NOTE: Indicators for both sides of the door require two kits.

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.

Arrow Lock & Door Hardware
225 Episcopal Road
Berlin, CT 06037
Customer Service: 1-800-327-8539
Technical Product Support: 1-800-327-8539 X2
www.arrowlock.com

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