

# AM/BM Series Mortise Locks

## Premier Product

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.

### 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.



### 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.

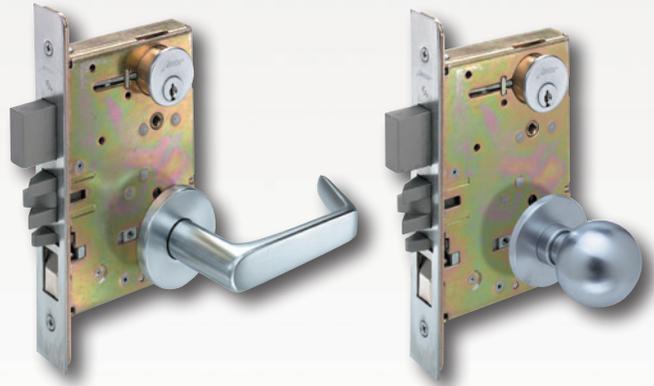
**Latchbolt** – Stainless steel, 2 piece mechanical with anti-friction insert. 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

**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". Lever: nickel steel, 5/16" (8mm).

**Spacing** – Center to center, hub to cylinder: 3-5/8" (92mm). Center to center, hub to turnpiece 2-7/16" (62 mm).



### ADA/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.

**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 strikes, lip lengths and ANSI wrought strike box available.

**Keys** – Two nickel silver standard.

#### Keying Features Available:

- Master keying
- Construction master keying
- Visual key control
- Concealed key control
- Small Format Interchangeable Core Prep (SFIC)

**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 lever handles, knobs for roses and escutcheons in architectural finishes.

**Complete Range of Functions** – To meet all requirements.

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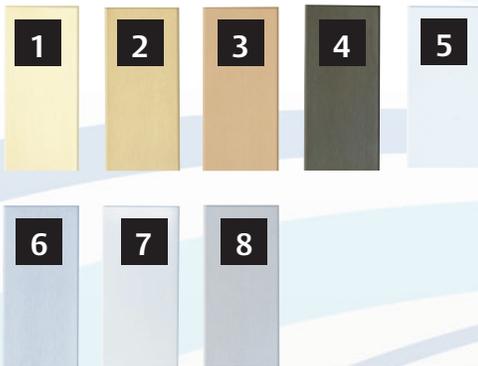


AM Series



BM Series

## Finishes:



	BHMA	U.S. Equivalent	Arrow Equivalent	Finish
1	605	US3	03	Bright Brass
2	606	US4	04	Satin Brass
3	612	US10	10	Satin Bronze
4	613	US10B	10B	Dark Oxidized Satin Bronze, Oil Rubbed
5	625	US26	26	Bright Chromium Plated
6	626	US26D	26D	Satin Chromium Plated
7	629	US32	32	Bright Stainless Steel
8	630	US32D	32D	Satin Stainless Steel

## 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

## 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.

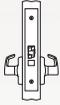
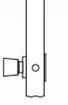
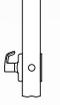
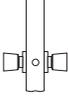
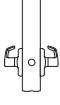
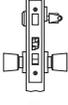
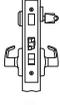
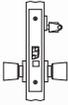
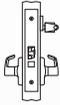
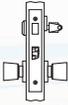
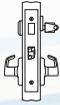
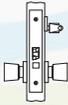
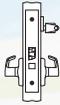
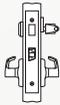
\* Note: Not all trim designs available in all finishes.

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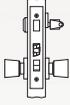
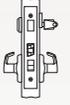
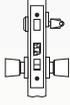
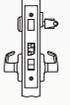
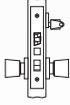
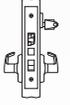
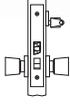
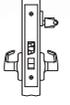
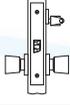
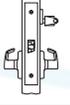
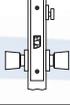
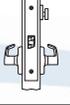
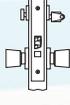
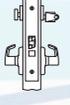
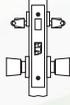
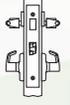
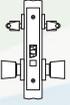
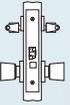
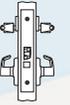
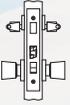
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ARROW	FUNCTION	ANSI	AM SERIES	BM SERIES	DESCRIPTION
01	Passage	F01			Latchbolt by knob/lever either side
02	Privacy	F19			Latchbolt by knob/lever either side, except when outside is locked by turnpiece inside. Outside emergency release or operating from inside unlocks lock. Inside knob/lever retracts both bolts.
07	Exit				Latchbolt by knob/lever inside. Auxiliary latchbolt deadlocks latchbolt. No outside trim.
08	Single Dummy Trim				Rigid knob/lever one side of door only. Plug through edge of door ensures stability.
09	Double Dummy Trim				Rigid knob/lever both sides of door. Plug through edge of door ensures stability.
11	Apartment/ Front Door	F12			Latchbolt by knob/lever either side except when outside knob/lever is locked by stopworks in lock front, or when the deadbolt is projected. Deadbolt operates by key outside and turnpiece inside. Turning inside knob/lever will retract latchbolt and deadbolt simultaneously.
12	Storeroom	F07			Outside knob/lever always rigid. Latchbolt retracted only by key outside or by inside knob/lever. Auxiliary latchbolt deadlocks latchbolt.
13	Apartment/ Front Door	F21			Latchbolt operated by knob/lever 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/lever either side, except when outside knob/lever is locked by key outside. Key operates latch or unlocks outside knob/lever. Inside knob/lever is always free. Auxiliary latchbolt deadlocks latchbolt.
19	Dormitory/Exit	F13			Latchbolt operated by knob/lever either side. When outside knob/lever is locked by projected deadbolt, (by inside turnpiece or outside key) key outside will retract deadbolt, then latchbolt. Turning inside knob/lever will retract latchbolt and deadbolt simultaneously, which will unlock outside knob/lever. When deadbolt is projected, the latchbolt is deadlocked.

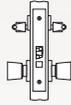
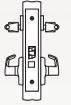
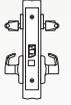
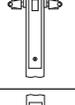
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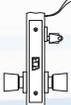
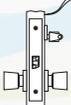
ARROW	FUNCTION	ANSI	AM SERIES	BM SERIES	DESCRIPTION
20	Entrance/ Dormitory	F20			Latchbolt operated by knob/lever either side, except when outside knob/lever is locked by stopworks in lock front, or by projecting deadbolt by turnpiece inside or key outside. Turning inside knob/lever will retract latchbolt 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/lever either side except when outside knob/lever 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/lever either side except when outside knob/lever is locked by stopworks in lock front then operated by key outside. Auxiliary latchbolt deadlocks latchbolt.
23	Vestibule				Latchbolt operated by knob/lever either side, except when outside knob/lever is locked by stopworks in lock front, then operated by key outside.
24	Storeroom				Latchbolt operated by knob/lever inside and by key outside. Outside knob/lever always rigid. Inside knob/lever always free.
26	Privacy	F22			Latchbolt by knob/lever either side, except when outside is locked by turnpiece inside. Operating inside knob/lever, closing door, or with outside emergency release unlocks outside.
27	Institutional				Latchbolt by knob/lever either side, except when <b>Privacy</b> outside is locked by turnpiece inside. Operating inside knob/lever 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/lever 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/lever either side, except when outside knob/lever is locked by key from the inside cylinder. When outside knob/lever is locked, latchbolt is retracted by key outside or by knob/lever inside. Auxiliary latchbolt deadlocks latchbolt.
33	Storeroom	F30			Both knobs/levers rigid at all times. Auxiliary latchbolt deadlocks latchbolt. Latchbolt operated only by key from either side.
34	Storeroom	F35			Latchbolt operated by knob/lever either side except when the outside knob/lever is locked by stop works in lock front then operated by key outside or by knob/lever inside. Deadbolt operated by key from either side.

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ARROW	FUNCTION	ANSI	AM SERIES	BM SERIES	DESCRIPTION
37	Classroom	F32			Latchbolt by knob/lever 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/lever. Auxiliary latch deadlocks latchbolt.
38	Classroom				Latchbolt by lever from either side unless outside lever is locked by projection of deadbolt. Deadbolt thrown by key from either side. Inside lever simultaneously retracts latchbolt and deadbolt, outside lever remains locked. Retracting latchbolt by key unlocks outside lever. 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/ BM17 SUFFIX	VOLTAGE	CURRENT	AM SERIES	BM SERIES	DESCRIPTION
177 179	12V AC/DC 24V AC/DC	612mA 330mA			<b>FAIL SAFE:</b> Power on locks outside lever. Inside lever always free. Latch retracted by key when locked electrically.
181 183	12V AC/DC 24V AC/DC	612mA 330mA			<b>FAIL SECURE:</b> Power off locks outside lever. Inside lever always free. Latch retracted by key when locked electrically.

# AM/BM Series Mortise Locks

## Premier Product

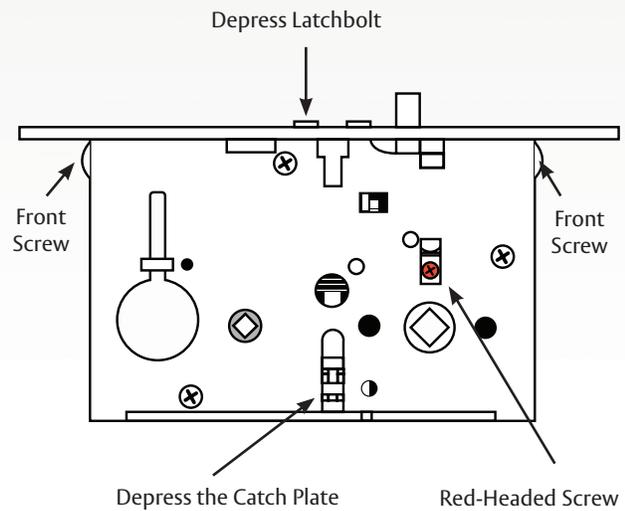
### Reversing Hand:

#### Mortise Locksets AM/BM Series

Please read completely before proceeding and review the drawing below.

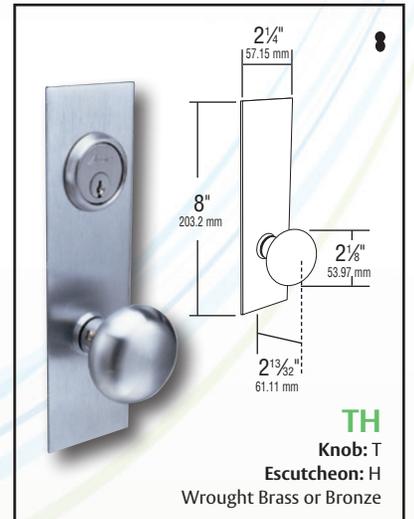
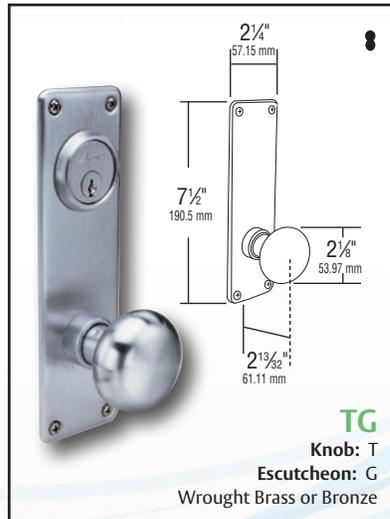
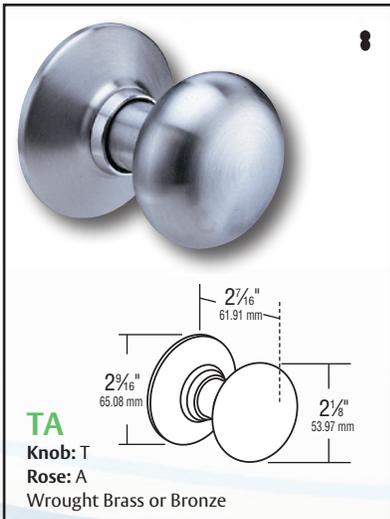
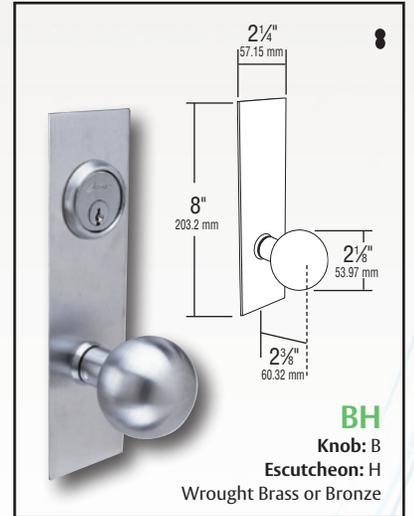
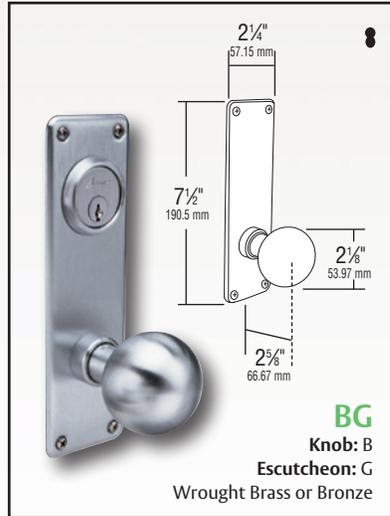
#### Minimal force is required to reverse handing.

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/BM Series Mortise Locks – AM Series Knob Designs

Premier Product

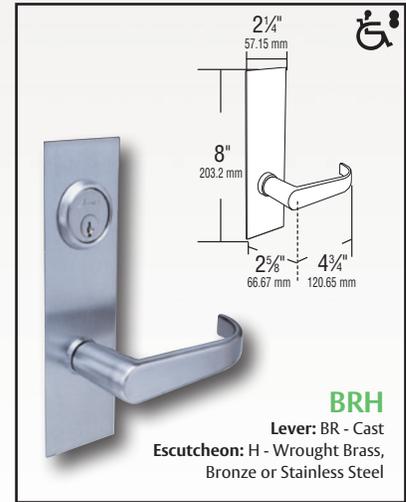
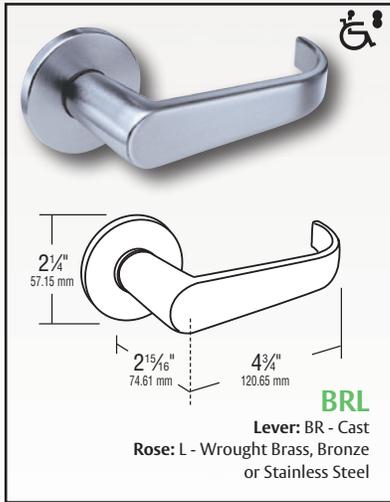


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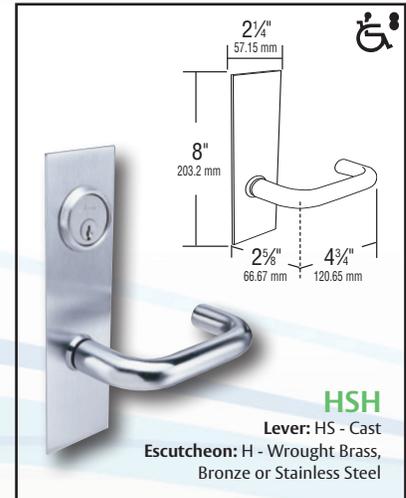
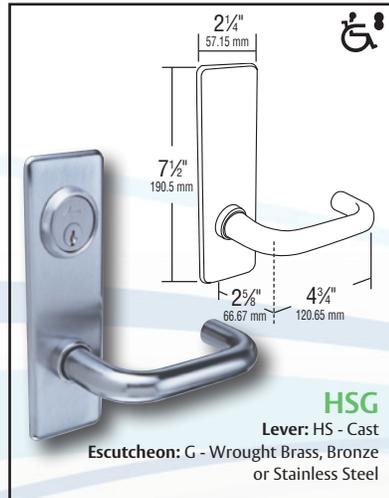
# AM/BM Series Mortise Locks – BM Series Lever Designs

## Premier Product

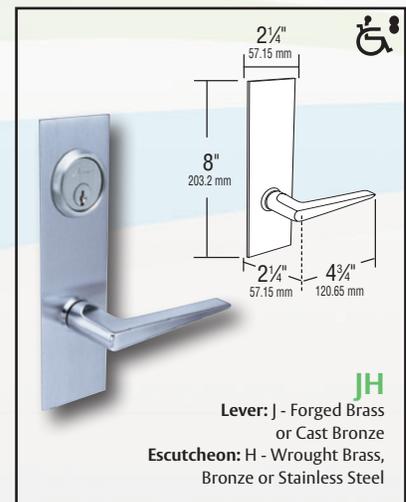
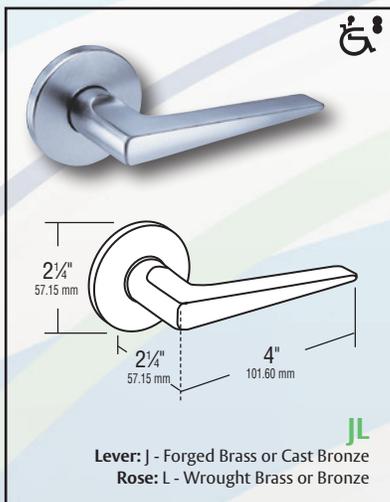
### Broadway:



### Hastings:



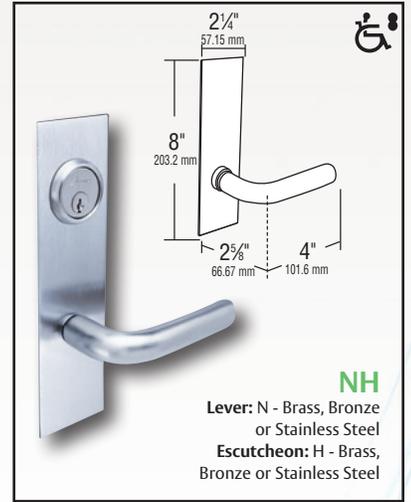
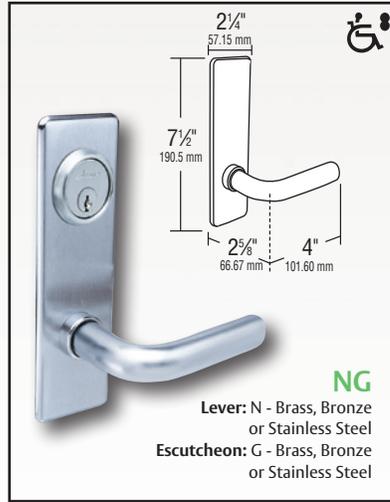
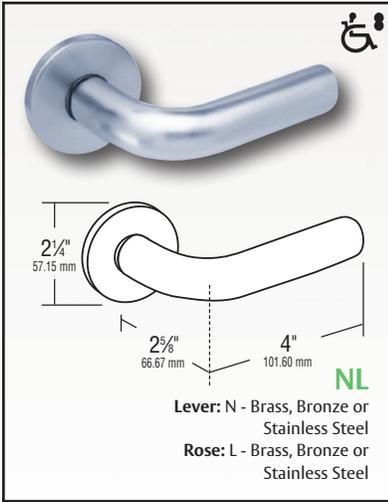
### Javelin:



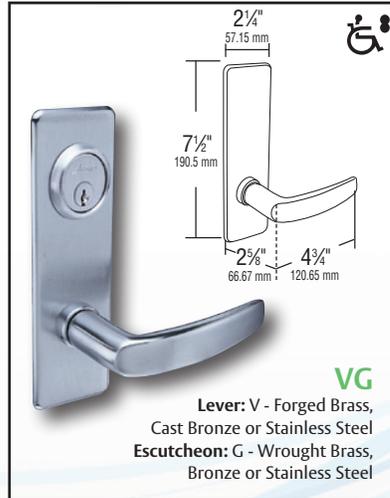
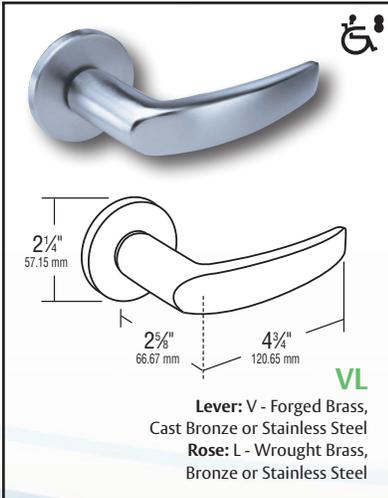
# AM/BM Series Mortise Locks – BM Series Lever Designs

## Premier Product

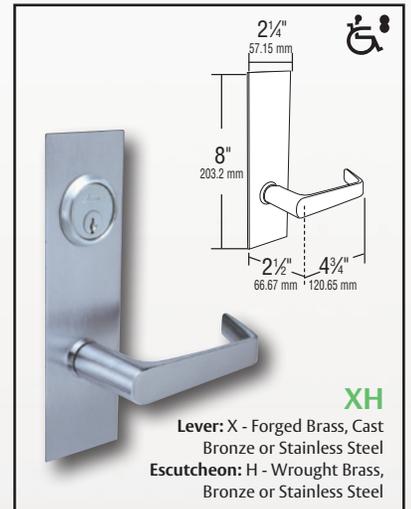
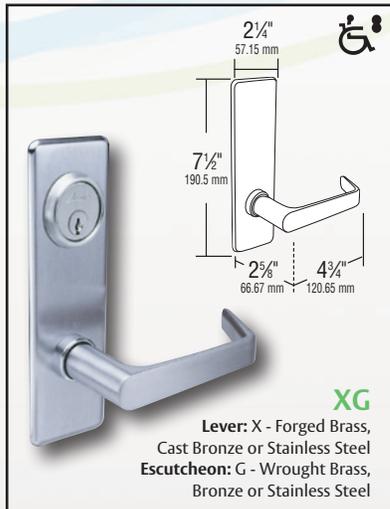
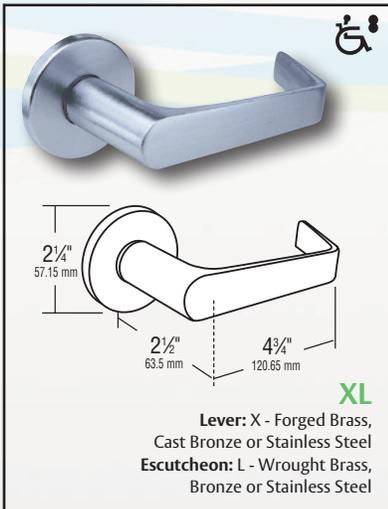
### Neo:



### Ventura:



### Xavier:



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# AM/BM 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

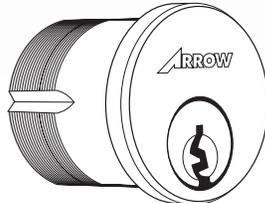
- Brass or Stainless Steel
- Handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center

		PART NO.	DESCRIPTION
All Latchbolt and Latchbolt x Deadbolt Functions		60	Straight Lip
		468	Curved Lip for RH
		466	Curved Lip for LH

### Cylinder:

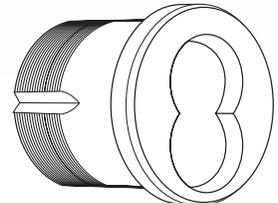
#### Cylinder

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



#### Cylinder for Interchangeable Core

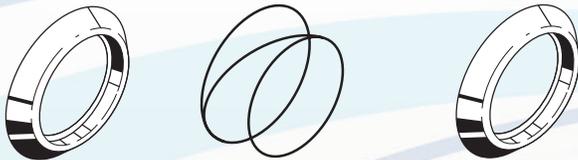
- 16CR-16 - 6 pin-1-1/8"
- 16CR-27 - 6 or 7 pin 1-1/4"
- 16CRH-26 - 6 pin, hotel
- Collar - 16-113A
- Finishes - 3, 4, 10, 10B, 26, 26D



### Cylinder Collars:

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

**I.C. Rim Cylinder Collar 16RC-113**  
(Standard for 16RCR-16, 16RCR-27)



### Spacer Rings:

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

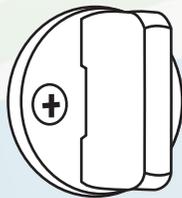
**16CR-123-2**  
1/4" Thick

**16CR-123-3**  
(Standard for 16CRH-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.



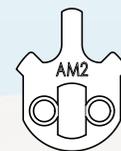
### Cams:

001



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

AM2



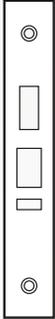
Used with deadbolt functions 11, 13, 19, 20, 21, 31, 32 (O/S), 34, 38, 40, 41, 42, 44.

# AM/BM 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



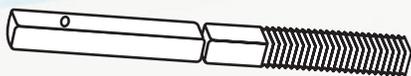
Function  
01, 24, 26

Part No.  
AM20-305



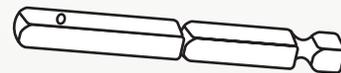
Function  
20

## Spindles:



### Knob Spindle

AM 385A—For trim with “H” escutcheon  
AM 386A—For trim with “G” escutcheon and all rose trim



### Lever Spindle

BM 385A—For trim with “H” escutcheon and rose trim  
BM 386A—For trim with “G” escutcheon

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# AM/BM Series Mortise Locks

## Premier Product

### Suggested Specification AM/BM:

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.

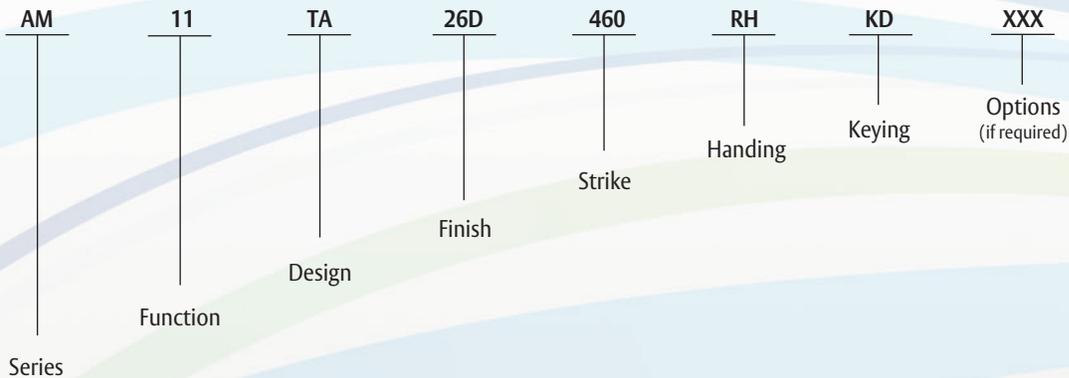


### Order Example:

**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:



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# Competitor Indicator Kits

## Premier Product

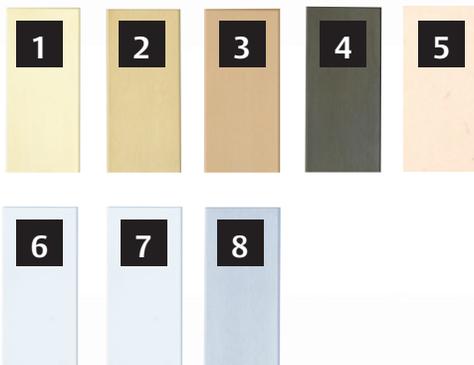
### Indicator Retrofit Kits

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 not included.

### Finishes:



	BHMA	U.S. Equivalent	Arrow Designation	Finish
1	605	US3	605	Bright Brass
2	606	US4	606	Satin Brass
3	612	US10	612	Satin Bronze
4	613E	US10BE	613E	Dark Oxide Satin Bronze Equivalent
5	618	US14	618	Bright Nickel Plated, Clear Coated
6	619	US15	619	Nickel Plated
7	625	US26	625	Bright Chromium Plated
8	626	US26D	626	Satin Chromium Plated

**Note:** All finishes will be provided per Arrow color standards. Arrow does not guarantee finish will match to Best® or Schlage® finish.

### 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

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# Competitor Indicator Kits

## Premier Product

### Best® Mortise Locks

Sectional trim indicator kits are available to retrofit to Best® 45H, 34H or 35H 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 only be used with H or R roses. Roses greater than 3-1/4" in diameter cannot be used.
- L and LT privacy functions will use a coin turn for emergency override

The following chart details the functions that can be accommodated.

Best® Function	Illustration	Description	Outside	Inside
L		Privacy F19	 ABE193	
LT		Privacy		
AB		Office F20	 ABE190*	 ABE194
AT		Office F04		
RD		Classroom DL F29		
TA		Dormitory F12		
TD		Dormitory		
IND		Intruder F33	 ABE190*	 ABE190*
INL		Intruder F32		

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

Function numbers, illustrations and descriptions above are from the Best® 40H series catalog. Refer to that catalog for more information and function details.

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# Competitor Indicator Kits

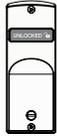
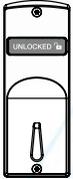
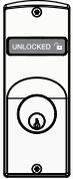
## Premier Product

### 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		Office F04	 ASC190*	 ASC190*
L/LV9456		Corridor F13		
L9473		Dormitory F21		
L/LV9060		Apartment Entrance Lock F09		
L/LV9071		Classroom Security F32		
L/LV9077		Classroom Security Holdback		
L/LV9457		Classroom Security F33		
L/LV9458		Classroom Security F34		
L9466		Store/utility Room Lock with Deadbolt F14		
L/LV9070		Classroom Lock F05		

\*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.

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# Competitor Indicator Kits

## Premier Product

### Indicator Option Codes

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



V10



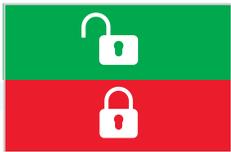
V40



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.

#### Best®

Model Number	Door Thickness	Finish	Option Code
ABE190	1-3/4"	626	V10

#### 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.

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