



ASSA ABLOY

Experience a safer
and more open world

BM 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 – nickel steel, 5/16" (8mm).

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 lever handles for roses and escutcheons in architectural finishes.

Complete Range of Functions – To meet all requirements.

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

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

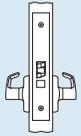
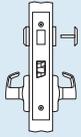
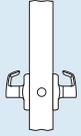
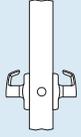
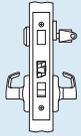
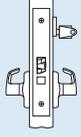
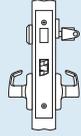
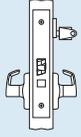
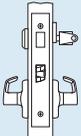
- All levers with returns comply; levers return to within 1/2" (13mm) of door face.
- Meets ADA requirements (Americans with disabilities Act).
- Acceptable Door Hardware: Section 4.13.9
- Handles, pulls, latches and other operating devices on accessible doors shall have a shape that is easy to grasp 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.

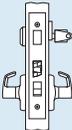
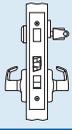
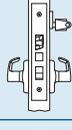
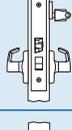
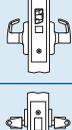
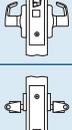
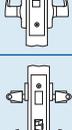
Finishes:

BHMA	US Equivalent	Arrow Code	Finish Description	
605	US3	03	Bright Brass	
606	US4	04	Satin Brass	
612	US10	10	Satin Bronze	
613	US10B	10B	Dark Oxidized 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	

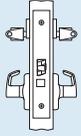
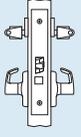
Premier Product

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

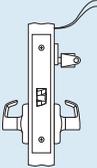
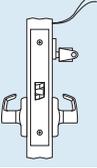
Premier Product

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

Premier Product

ARROW	FUNCTION	ANSI	BM SERIES	DESCRIPTION
37	Classroom	F32		Latchbolt by 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 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.

Electrical Lock Functions:

BM17 SUFFIX	VOLTAGE	CURRENT	BM SERIES	DESCRIPTION
177 179	12V AC/DC 24V AC/DC	612mA 330mA		FAIL SAFE: 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 330 mA		FAIL SECURE: Power off locks outside lever. Inside lever always free. Latch retracted by key when locked electrically.

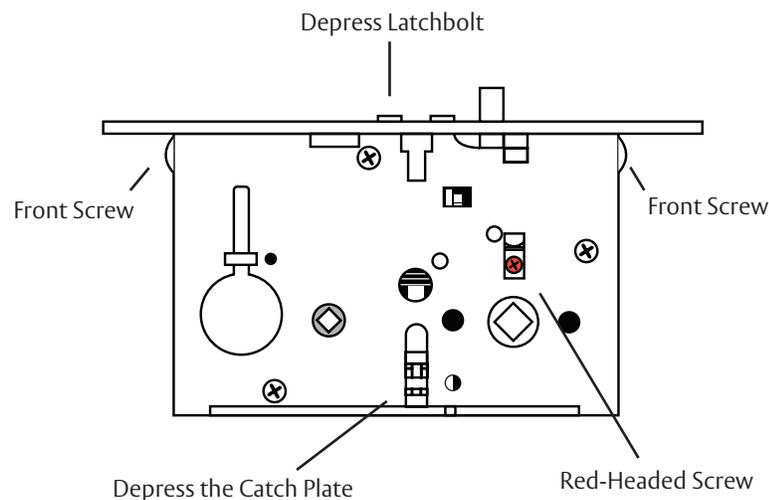
Reversing Hand:

Mortise Locksets 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.



Premier Product

Broadway:

BRL

Lever: BR - Cast

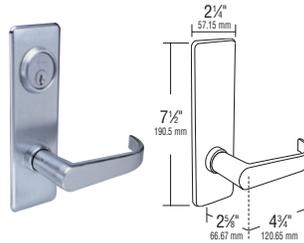
Rose: L- Wrought Brass, Bronze or Stainless Steel



BRG

Lever: BR - Brass or Bronze

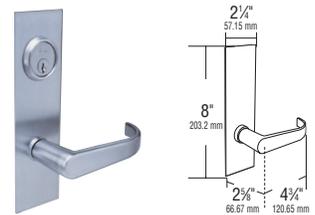
Escutcheon: G- Brass, Bronze or Stainless Steel



BRH

Lever: BRH - Cast

Escutcheon: H- Wrought Brass, Bronze or Stainless Steel

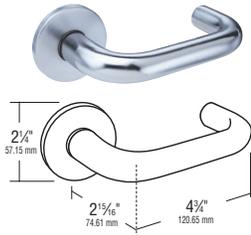


Hastings:

HSL

Lever: HS - Cast

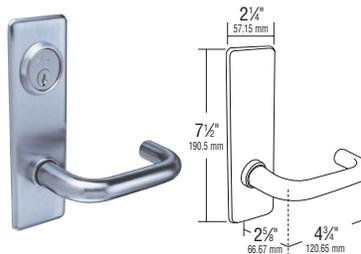
Rose: L- Brass, Bronze or Stainless Steel



HSG

Lever: HS - Cast

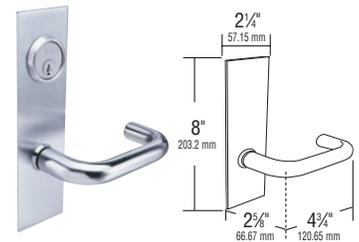
Escutcheon: G- Wrought Brass, Bronze or Stainless Steel



HSH

Lever: HS - Cast

Escutcheon: H- Wrought Brass, Bronze or Stainless Steel

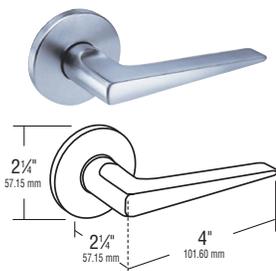


Javelin:

JL

Lever: J - Forged Brass or Cast Bronze

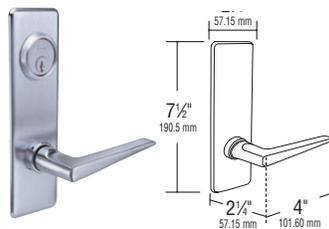
Rose: L- Wrought Brass or Bronze



JG

Lever: J - Forged Brass or Cast Bronze

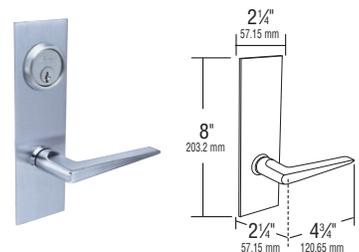
Escutcheon: G- Wrought Brass, Bronze or Stainless Steel



JH

Lever: J - Forged Brass or Cast Bronze

Escutcheon: H- Wrought Brass, Bronze or Stainless Steel



Premier Product

Neo:

NL

Lever: N - Brass, Bronze or Stainless Steel

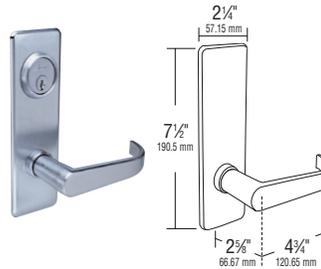
Rose: L - Brass, Bronze or Stainless Steel



NG

Lever: N - Brass, Bronze or Stainless Steel

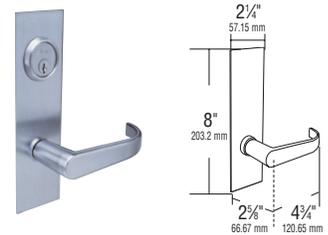
Escutcheon: G - Brass, Bronze or Stainless Steel



NH

Lever: N - Brass, Bronze or Stainless Steel

Escutcheon: H - Wrought Brass, Bronze or Stainless Steel

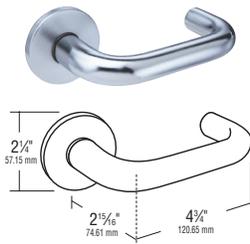


Ventura:

VL

Lever: V - Forged Brass, Cast Bronze or Stainless Steel

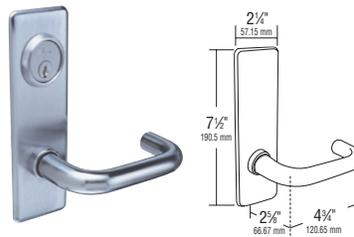
Rose: L - Brass, Bronze or Stainless Steel



VG

Lever: V - Forged Brass, Cast Bronze or Stainless Steel

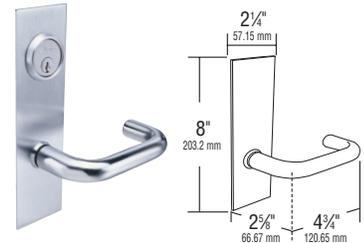
Escutcheon: G - Wrought Brass, Bronze or Stainless Steel



VH

Lever: V - Forged Brass, Cast Bronze or Stainless Steel

Escutcheon: H - Wrought Brass, Bronze or Stainless Steel

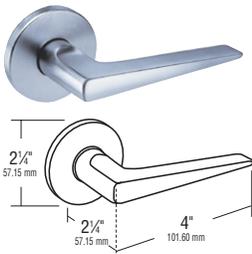


Xavier:

XL

Lever: X - Forged Brass, Cast Bronze or Stainless Steel

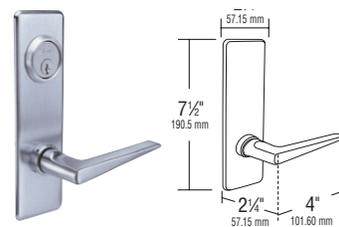
Rose: L - Wrought Brass, Bronze or Stainless Steel



XG

Lever: X - Forged Brass, Cast Bronze or Stainless Steel

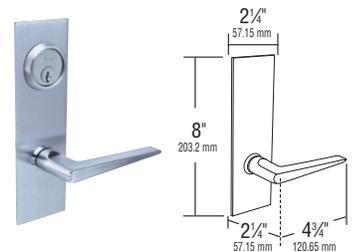
Escutcheon: G - Wrought Brass, Bronze or Stainless Steel



XH

Lever: X - Forged Brass, Cast Bronze or Stainless Steel

Escutcheon: H - Wrought Brass, Bronze or Stainless Steel



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

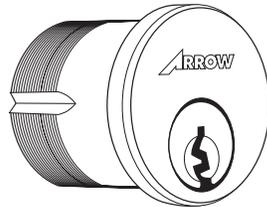
- Brass or Stainless Steel
- Handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center

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

Cylinder:

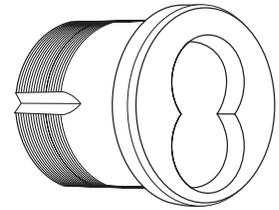
Cylinder

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



Cylinder for Interchangeable Core

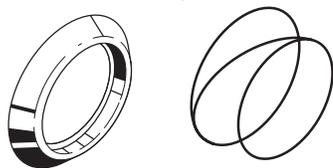
- 16CR-16 - 6 pin-1-1/8"
- 16CR-27 - 6 or 7 pin 1-1/4"
- Collar - 16 - 113A
- Finishes - 3, 4, 10, 10B, 26, 26D



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

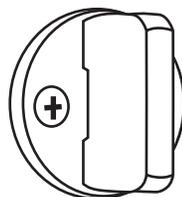


16CR-123-1 (Standard for 16RCH-26) 3/8" Thick



Thumb Turn 16-17A:

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



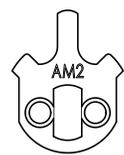
Cams:

001



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

AM2

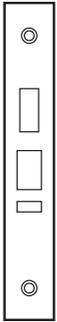


Used with deadbolt functions 11, 13, 19, 20, 21, 31, 32 (O/S), 43, 38, 40, 41, 42, 44.

Premier Product

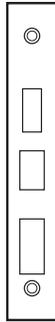
Face Plates (Scalps):

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



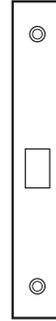
Function
23

Part No.
AM41-305



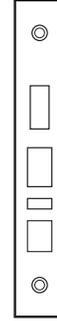
Function
40, 41, 42, 44

Part No.
AM01-305



Function
01, 24, 26

Part No.
AM20-305



Function
20

Spindle:

Lever Spindle

BM 385A-For trim with "H" escutcheon and rose trim

BM 386A-For trim with "G" escutcheon



Suggested Specification 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:

ULC-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:

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

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.



Finishes:

BHMA	US Equivalent	Arrow Code	Finish Description	
605	US3	03	Bright Brass	
606	US4	04	Satin Brass	
612	US10	10	Satin Bronze	
613	US10B	10B	Dark Oxidized 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

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	 ABE194
LT		Privacy		
AB		Office F20	 ABE190*	
AT		Office F04		
RD		Classroom DL F29		
TA		Dormitory F12		
TD		Dormitory		
IND		Intruder F33		
INL		Intruder F32	 ASC190*	

*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.

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

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.



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