



ASSA ABLOY

Experience a safer
and more open world

BMX 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 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 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, 6-pin solid brass with two nickel silver keys in the Arrow AR keyway keyed different supplied standard.

Use the Less Cylinder option if conventional mortise cylinders in other keyways or key grouping are required (ordered separately).

Optional prep for small format interchangeable core cylinders is available in 6-pin (IC6) or 7-pin (IC7) mortise housings (SFIC cylinders not included).

Warranty – Five-year limited.

Standardized Case – One size case for uniform mortising.

Thru-Bolted Trim Design – Thru-bolted trim designs for the proper alignment and increased security.

Designs – Including knob and lever handles for roses and escutcheons in the most popular finishes.

Range of Functions – To meet common 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:

The BMX Series offers a selection of preferred trim designs and functions 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

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.

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.

Finishes:

ANSI/BHMA	US Equivalent	Arrow Code	Finish Description	
605	US3	03	Bright Brass	
606	US4	04	Satin Brass	
613E	613E	US10BE	Dark Oxidized Satin Bronze Equivalent	
626	US26D	26D	Satin Chromium Plated	
BSP	BSP	—	Black Suede Powder Coat	

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

Function:

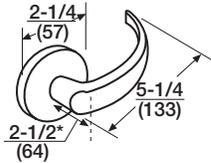
ARROW	FUNCTION	ANSI	INSIDE/OUTSIDE	DESCRIPTION
01	Passage	F01		Latchbolt by lever either side
02	Privacy	F19		Latchbolt by lever either side, except when outside is locked by turnpiece inside. Outside emergency release or operating from inside unlocks lock. Inside lever retracts both bolts.
11	Apartment/ Front Door	F08/F11		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.
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.
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.
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.

Broadway:

BRL

Lever: BR - Cast Brass or Stainless Steel

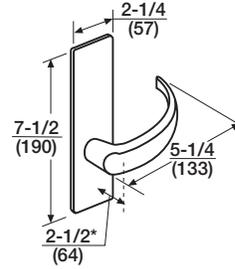
Rose: L - Wrought Brass or Stainless Steel



BRG

Lever: BR - Cast Brass or Stainless Steel

Escutcheon: G - Wrought Brass or Stainless Steel

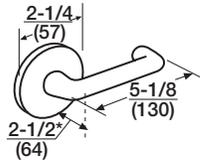


Hastings:

HSL

Lever: HS - Wrought Brass or Stainless Steel

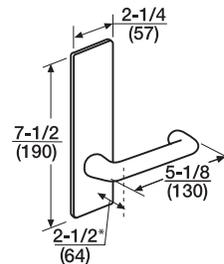
Rose: L - Wrought Brass or Stainless Steel



HSG

Lever: HS - Wrought Brass or Stainless Steel

Escutcheon: G - Wrought Brass or Stainless Steel



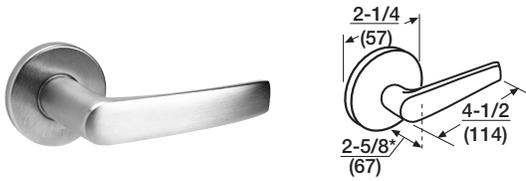
6 or 7 pin SFIC housings are available.

Ventura:

VL

Lever: V - Cast Brass or Stainless Steel

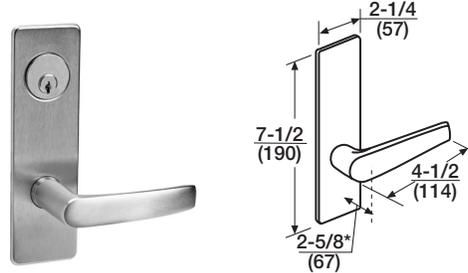
Rose: L - Wrought Brass or Stainless Steel



VG

Lever: V - Cast Brass or Stainless Steel

Escutcheon: G - Wrought Brass or Stainless Steel

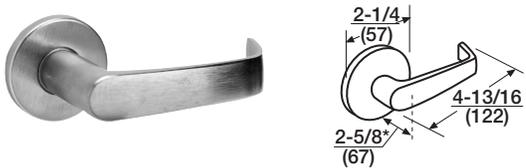


Xavier:

XL

Lever: X - Cast Brass or Stainless Steel

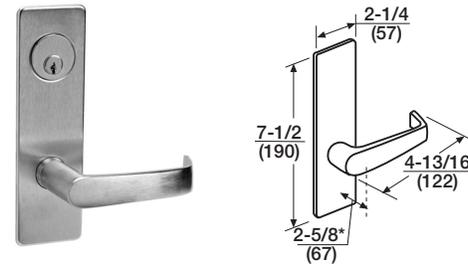
Rose: L - Wrought Brass or Stainless Steel



XG

Lever: X - Cast Brass or Stainless Steel

Escutcheon: G - Wrought Brass or Stainless Steel



Ball:

BL

Knob: B - Cast Zinc

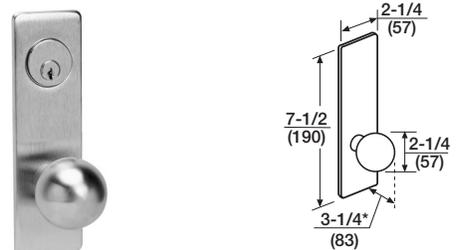
Rose: L - Wrought Brass or Stainless Steel



BG

Knob: B - Cast Zinc

Escutcheon: G - Wrought Brass or Stainless Steel



6 or 7 pin SFIC housings are available.

Strikes:

ANSI Straight Lip (standard)

- Brass or Stainless Steel (base material)
- Non-handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center

ANSI Curved Lip

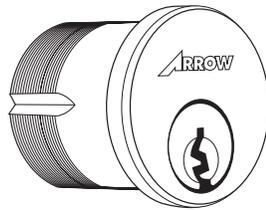
- Brass or Stainless Steel (base material)
- Handed
- 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center

		PART NO.	DESCRIPTION
All Latchbolt and Latchbolt x Deadbolt Functions		BMX-460	Straight Lip
		BMX-468	Curved Lip for RH, LHR
		BMX-466	Curved Lip for LH, RHR
	Straight Lip	Curved Lip	

Cylinder:

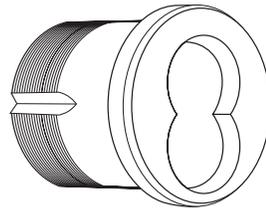
Cylinder

- MC61 - 1-1/8" for 1-3/4" door. Collar-16-113A
- Finishes - 03, 04, 613E, 32D.



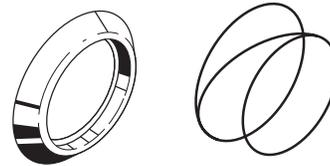
Housings for Small Format Interchangeable Core (SFIC)

- 16CR-16 - 6 pin-1-1/8"
- 16CR-27 - 6 or 7 pin 1-1/4"
- Collar - 16-113A
- Finishes - 03, 04, 613E, 26D.



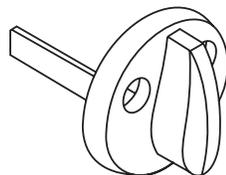
Cylinder Collars:

Mortise Cylinder Collar 16-113A



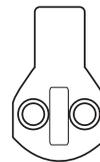
Thumb Turn BMX-17A:

- Furnished with rose trim. For escutcheon trim, thumb turn is mounted on escutcheon.
- Finishes - 605, 606, 613E, 626, BSP.



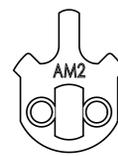
Cams:

001



Used with functions 12, 17, 22

AM2



Used with deadbolt functions 11, 19, 20

Face Plates (Scalps):

Part No.
AM11-305



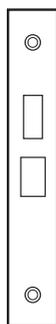
Function
11

Part No.
AM12-305



Function
12, 17

Part No.
AM02-305



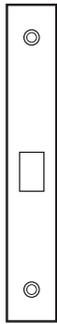
Function
02, 19

Part No.
AM22-305



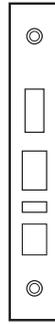
Function
22

Part No.
AM01-305



Function
01

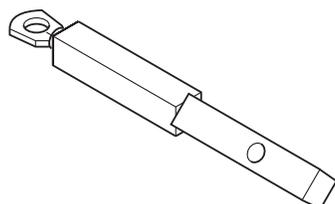
Part No.
AM20-305



Function
20

Spindle:

BMX-385A



How to Reverse Handing:

BMX Series Mortise Locks are easily field reversible for installation on doors of any hand. Re-handing can be done quickly and easily without opening the lock case.

1. Move the Red locking screw to side of lock-body being locked (Figure 1)

2. Push in latch partially then depress catch plate with screwdriver (Figure 1)

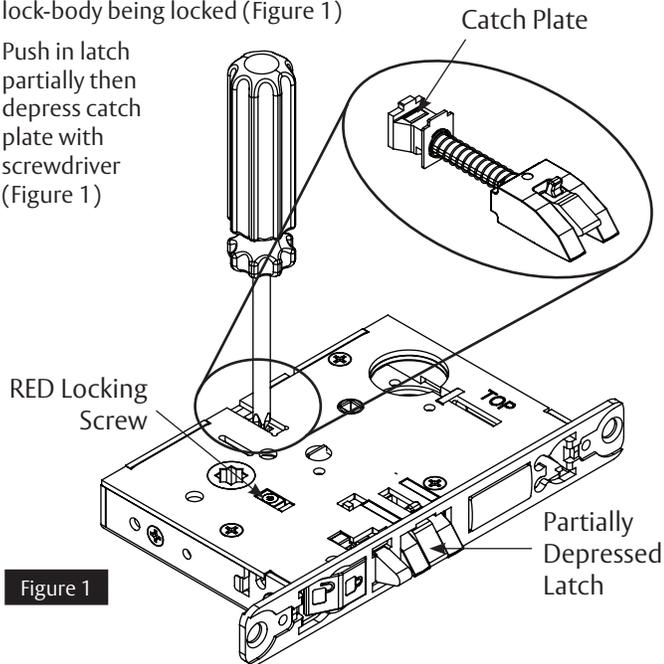


Figure 1

3. Pull latch out of lock-body and rotate 180 degrees (Figure 2)

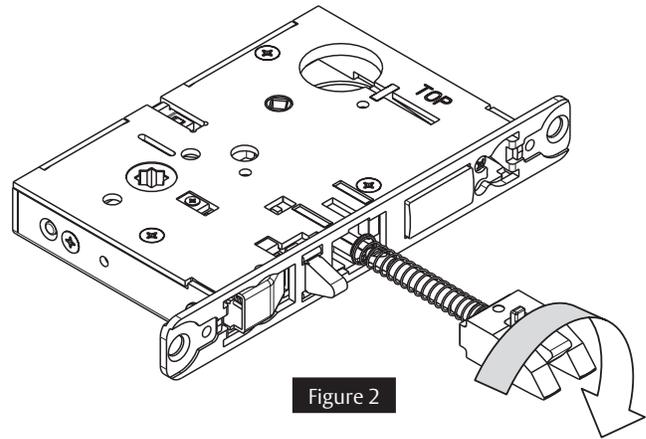


Figure 2

4. Push in latch until tail-piece hits back of case (Figure 3)

Note: Make sure catch plate is even with top surface and locking pin is not projected (Figure 4). If not, depress catch plate with screwdriver and repeat step 4.

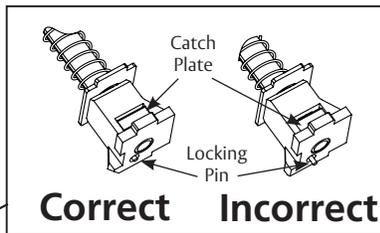


Figure 4

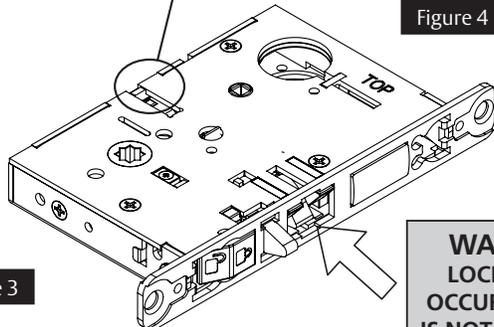


Figure 3

WARNING:
LOCK-IN CAN OCCUR IF LATCH IS NOT PROPERLY INSTALLED

5. Rotate lock front to match bevel of door as shown (Figure 5)

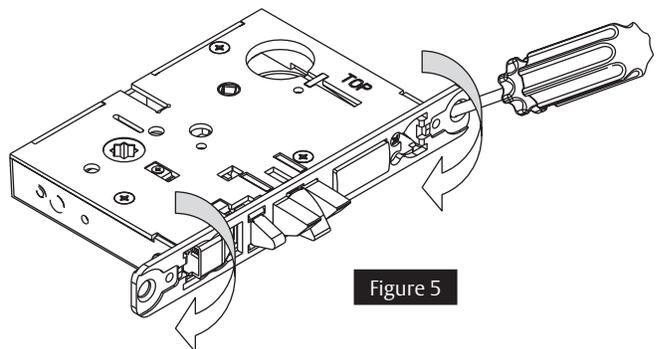


Figure 5

Suggested Specification:

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". 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/BHMA 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 BMX Series Apartment function mortise lock with the BR lever and G escutcheon design, satin chrome finish, with a straight lip strike, right handed, mortise cylinder with the Arrow AR keyway keyed different.

Specify:

Standard:

Series	Function	Design	Finish	Strike	Handing	Keying	Options (if required)
BMX	11	BR G	626	460	RH	AR KD	

BMX Series Mortise Locks



ASSA ABLOY

Notes:

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

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



ASSA ABLOY

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Technical Product Support: 1-800-327-8539 X2
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