MB1A Grade 1 SFIC Cylindricals
MB1A Series
ANSI Grade 1
Extra Heavy Duty
Lever Locks

FEATURES:

- Heavy duty chassis, through bolt trim with various lever styles available.
- Strong cast and machined stainless steel hubs.
- Heavy duty return springs provide resistance to lever sag.
- Tested to over 4,000,000 cycles which exceeds the ANSI standard for Grade 1 cylindrical locks.
- Heavier rose liner material provides greater attack resistance.
- Heat treated, heavy gauge cold rolled steel allows 1000 inch-pounds of torque to be applied to the locked lever without allowing access.
- Threaded inside and outside rose assembly adjustable for door thickness without removing keyed lever.
- Exceeds Grade 1 abusive locked lever torque.
MB1A Series Lever Locks

**SPECIFICATIONS:**

- **Door Thickness** - 1-3/8” to 2” wood or metal door standard. 2-1/4” is available.
- **Latchbolt** - 1/2” throw deadlatch, UL listed, self-adjusting faceplate; 3/4” throw fire door deadlatch available.
- **Handing** - Non-handed.
- **Strike** - S1 ANSI strike standard, S2 T strike optional.
- **Lever Handles** - Solid zinc diecast levers, wrought brass roses, concealed screws. I/C core version standard.
- **Door Preparation** - ANSI A155.2, through bolt installation.
- **Interchangeable Core (Standard)** - 6 or 7 pin with nickel silver keys, compatible with Best® and Falcon® cores.
- **Masterkeyed** - Can be masterkeyed or grand masterkeyed and construction key systems available.
- **Finishes** - 605, 606, 612, 613, 625 and 626.
- **Certifications** - UL listed for "A" label (3 hour) single swinging door (4'x8'). ETL certified for ANSI/BHMA A156.2, Series 4000 Grade 1.
- **Warranty** - SEVEN (7) YEAR manufacturer’s limited warranty.

**Lever Handles**

- 14 Style
- 15 Style
- 16 Style

**Cylinders**

- I/C Core (6 or 7 pin)

**Latches**

- Fire Door Deadlatch
  - 3-4” Throw
  - 2-1/4” x 1-3/8” faceplate

- Deadlatch
  - 1/2” Throw
  - 2-1/4” x 1-1/8” faceplate

**Strikes**

- ANSI Strike (Std.) #S1
  - 4-7/8” x 1-1/4” Lip Length 1-1/4”

- T-Strike (Opt.) #S2
  - 2-1/4” x 1-1/8” Lip Length 1-1/8”

**Extension Links**

- Join appropriate extension link to 2-3/4” backset latch for required backset.

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**How To Order**

<table>
<thead>
<tr>
<th>Model</th>
<th>Backset</th>
<th>Function Code</th>
<th>Lever Handle</th>
<th>Finish</th>
<th>Strike</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>M81A</td>
<td>3</td>
<td>01</td>
<td>#14</td>
<td>626</td>
<td>S1</td>
<td>S1</td>
</tr>
<tr>
<td>M81A</td>
<td>2</td>
<td>2-3/8” See Function Chart</td>
<td>#14</td>
<td>605</td>
<td>S1</td>
<td>ANSI Strike S2 T Strike</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>2-3/4”</td>
<td></td>
<td>606</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If not specified at time of order, the default will be 2 3/4” backset, 15 Lever, 625 Finish, S1 Strike MB1-093K drop-in door adaptor kit for Best 9K hole prep is available and sold separately.

The following items are purchased separately:

- S1-7/8-finish 7/8” flat lip strike (605, 606, 612, 613, 630)
- MB1-3/4-finish 3/4” throw fire door deadlatch (605, 606, 612, 613, 630)
- MB1-L4-3-3/4 Extension link for 3-3/4” backset latch
- MB1-L5-5 Extension link for 5” backset latch
- H1 function requires special core and Hotel throw member 25647 7-pin, 25648 6-pin.

www.marshallbestsecurity.com
# MB1A Series Lever Locks

## Single Keyed Functions

<table>
<thead>
<tr>
<th>Description</th>
<th>Outside Lever</th>
<th>Inside Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>01 - Entrance</strong></td>
<td>Latch operated by: AB F109</td>
<td>Locked by: Cannot be locked</td>
</tr>
<tr>
<td></td>
<td>• Rotating the inside lever, or</td>
<td>Unlocked by: Always unlocked</td>
</tr>
<tr>
<td></td>
<td>• Rotating the outside lever - only when the inside push button is out, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Pushing the inside button, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Pushing and turning the inside button. Turning the button keeps the outside lever locked until the button is turned back.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever, only when the button is not turned, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Rotating the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Rotating the outside lever when not locked by key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cannot be locked</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Always unlocked</td>
<td></td>
</tr>
</tbody>
</table>

## Double Keyed* Functions

<table>
<thead>
<tr>
<th>Description</th>
<th>Outside Lever</th>
<th>Inside Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>02 - Storeroom</strong></td>
<td>Latch operated by: G F91</td>
<td>Locked by: Cannot be locked</td>
</tr>
<tr>
<td></td>
<td>• Rotating the outside lever, or</td>
<td>Unlocked by: Always unlocked</td>
</tr>
<tr>
<td></td>
<td>• Rotating the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Rotating the outside lever when not locked by key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the inside lever, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Turning the key in the outside lever</td>
<td></td>
</tr>
</tbody>
</table>

## Additional Notes

- **Attention:** Locksets that secure both sides of the door are controlled by building codes and the Life Safety Codes. In an emergency situation, failure to quickly unlock the inside lever could be hazardous or even fatal.
### FUNCTIONS

**MB1A Series Lever Locks**

<table>
<thead>
<tr>
<th>Description</th>
<th>Outside Lever</th>
<th>Inside Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latch operated by</td>
<td>Locked by</td>
<td>Unlocked by</td>
</tr>
</tbody>
</table>

#### Double Keyed* Functions (Continued)

**IN - Intruder**
- Rotating inside lever, OR
- Rotating outside lever only when not locked by inside or outside key
- Turning key in the inside lever, OR
- Turning the key in the outside lever
- Cannot be locked
- Always unlocked

#### Keyless Functions

**10 - Patio**
- Rotating the inside lever, OR
- Rotating the outside lever only when the inside push button is out
- Pushing the inside button
- Rotating the inside lever, OR
- Closing the door
- Cannot be locked
- Always unlocked

**14 - Time Out**
- Rotating the inside lever, OR
- Rotating the outside lever only when the inside push button is out
- Pushing and holding the inside button
- Releasing the inside button
- Cannot be locked
- Always unlocked

**20 - Privacy**
- Rotating the inside lever, OR
- Rotating the outside lever only when the inside push button is out
- Pushing the inside button
- Rotating the outside slotted button, OR
- Rotating the inside lever, OR
- Closing the door
- Cannot be locked
- Always unlocked

**30 - Passage**
- Rotating the inside lever, OR
- Rotating the outside lever
- Cannot be locked
- Always unlocked

**40 - Single Dummy Trim**
- This is a single, surface-mounted lever for an inactive door or a non-latching door.

**50 - Exit**
- Rotating the inside lever
- Always locked
- Cannot be locked
- Always unlocked

**60 - Exit**
- Rotating the inside lever
- Cannot be locked
- Always unlocked

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Out of an abundance of caution, MBS has elected to place the Proposition 65 warning on all products shipped to California.

⚠️ **WARNING:** These products can expose you to chemicals including chromium, 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.

*Attention: Locksets that secure both sides of the door are controlled by building codes and the Life Safety Codes. In an emergency situation, failure to quickly unlock the inside lever could be hazardous or even fatal.
## MB1A Series Lever Locks

<table>
<thead>
<tr>
<th>Description</th>
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<th>Inside Lever</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electromechanical Functions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EL - Electrically Locked</strong></td>
<td>• Rotating the inside lever, OR • Rotating the outside lever only when the power is off, OR • Turning the key in the outside lever</td>
<td>• Applying 24 Volts DC • Outside lever remains locked only while power is on • Switching off 24 Volts DC</td>
</tr>
<tr>
<td><strong>EU - Electrically Unlocked</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RX - Storeroom Lock</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Special Functions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>00 - Office</strong></td>
<td>• Rotating the inside lever, OR • Rotating the outside lever only when inside push button is out, OR • Turning the key in the outside lever</td>
<td>Pushing the inside button • Turning the key in the outside lever, OR • Rotating the inside lever</td>
</tr>
<tr>
<td><strong>07 - Dormitory or Storeroom</strong></td>
<td>• Rotating the inside lever, OR • Rotating the outside lever only when inside turn button is unlocked position, OR • Turning the key in the outside lever</td>
<td>Turning the inside button</td>
</tr>
<tr>
<td><strong>15 - Service Station</strong></td>
<td>• Rotating the inside lever, OR • Rotating the outside lever - only when the inside push button is out, OR • Turning the key in the outside lever</td>
<td>• Pushing the inside button, OR • Pushing and turning the inside button turning the button keeps the outside lever locked until the button is turned back.</td>
</tr>
<tr>
<td><strong>21 - Hospital Privacy</strong></td>
<td>• Rotating the inside lever, OR • Rotating the outside lever only when inside push button is out</td>
<td>Pushing the inside button • Turning the turn button in the outside lever, OR • Rotating the inside lever, OR • Closing the door.</td>
</tr>
<tr>
<td><strong>63 - Exit</strong></td>
<td>Turning the key in the inside lever OR rotating the inside lever when not locked by key</td>
<td>Turning the key in the inside lever</td>
</tr>
<tr>
<td><strong>63 - YD</strong></td>
<td>Turning the key in the inside lever</td>
<td></td>
</tr>
</tbody>
</table>

*Attention: Locksets that secure both sides of the door are controlled by building codes and the Life Safety Codes. In an emergency situation, failure to quickly unlock the inside lever could be hazardous or even fatal.*
Cylindrical Locks with Clutching Mechanism

- Vandal resistant clutching mechanism in outside trim assembly
- Ideally suited for hospitals, schools, universities, factories, offices and other areas requiring more security
- Top quality, added security
- Wrought rose or escutcheon made of brass
- Available with small or large format interchangeable core or standard cylinder
- 3 Solid-touch grip levers
- Available in 6 attractive BHMA finishes – 605, 606, 612, 613, 625, 626
- Levers ADA compliant
- UL listed 3-hour fire rating
- ANSI Grade 1
- Seven (7) year manufacturer’s limited warranty

Available Functions:
- 01 Entrance
- 03 Classroom
- 05 Storeroom
- 09 Institutional
- 20 Privacy
- 00 Office, B function
- IN Intruder
- T Dormitory
- EL Electrically Locked
- EU Electrically Unlocked
- RX Request to Exit

The following items are purchased separately:
- S1-7/8-fin 7/8” flat lip strike (606, 606, 612, 613, 630)
- MB1-3/4-fin 3/4” thru fire door deadlatch (606, 606, 612, 613, 630)
- MB1-L4-3/4 Extension link for 3-3/4” backset latch
- MB1-L5-5 Extension link for 5” backset latch

If not specified at time of order, the default will be 2 3/4” backset, 15 Lever, 626 Finish, S1 Strike MB1-093K drop-in door adaptor kit for Beet 9K hole prep is available and sold separately.

How To Order Clutching

<table>
<thead>
<tr>
<th>Model Series</th>
<th>Backset</th>
<th>Function Code</th>
<th>Lever Handle</th>
<th>Finish</th>
<th>Strike</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB1CA</td>
<td>3</td>
<td>00</td>
<td>#14 626</td>
<td>S1</td>
<td>AL</td>
<td>Abrasive Lever LL - Lead Lined NOTE Specify Inside (I), Outside (O), or Both (B) for AL option</td>
</tr>
</tbody>
</table>

How To Order EL/EU RX

<table>
<thead>
<tr>
<th>Model Series</th>
<th>Backset</th>
<th>Function Code</th>
<th>Lever Handle</th>
<th>Finish</th>
<th>Strike</th>
<th>Power</th>
<th>RX Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB1A</td>
<td>3</td>
<td>EU</td>
<td>15 626</td>
<td>S1</td>
<td>24v</td>
<td>RX</td>
<td>AL - Abrasive Lever LL - Lead Lined NOTE Specify Inside (I), Outside (O), or Both (B) for AL option</td>
</tr>
</tbody>
</table>

How To Order 05 RX

<table>
<thead>
<tr>
<th>Model Series</th>
<th>Backset</th>
<th>Function Code</th>
<th>Lever Handle</th>
<th>Finish</th>
<th>Strike</th>
<th>RX Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB1A</td>
<td>3</td>
<td>05</td>
<td>15 626</td>
<td>S1</td>
<td>RX</td>
<td>AL - Abrasive Lever LL - Lead Lined NOTE Specify Inside (I), Outside (O), or Both (B) for AL option</td>
</tr>
</tbody>
</table>