4550 MS®
Deadlock Lever

The 4550 MS® Deadlock Lever easily unlocks an MS® Deadlock with approximately three pounds of downward force. The spring-loaded lever relocks with an upward motion.

Function

Easy unlocking of most MS Deadlocks by approximately 3 lbs [1.36 kg] downward force on a 3″ [76.2 mm] lever. Lever is spring loaded to horizontal, relocks with upward motion. Indicator signals lock status. Can be installed in place of existing key cylinder or cylinder type thumbturn on inside of door. 4550 Deadlock Lever not compatible with 7/8″ [22.2 mm] backset locks.

Operation

Rotate lever downward 90° to unlock. When released, lever returns to horizontal. Rotate lever upward 90° to relock. Key operation from outside is not affected. Clutching action prevents damage to internal components.

Features

**Housing**
Aluminum casting is 1-3/8″ wide x 7-1/2″ long x 1″ deep [34.9 mm x 190.5 mm x 25.4 mm].

**Lever**
3″ [76.2 mm] long aluminum with end-return design offers comfortable grip to lock or unlock.

**Indicator**
Words “LOCKED” in red letters or “OPEN” in green letters appear on white background when bolt is thrown or retracted respectively. Indicator is driven by lock bolt itself.

**Stop Clearance**
Lever housing projects 11/16″ [17.5 mm] forward of cylinder backset centerline. Depending on height of door stop and width of door/jamb gap, it may be necessary to modify the stop to clear the housing. For fin type stops, this is easily accomplished. Hollow stops may preclude use of lever. Please contact factory for more detailed information.

Compatible Locking Devices
Any MS® pivoted bolt deadlock including “Schoolhouse” versions can be fitted with the 4550 including MS1850S, MS1950.

Derivative units such as 1870 or 1870HM, flushbolts that bolt into threshold are also operable by the 4550 lever.

Not compatible with MS+1890 Deadlock/Deadlatch or 2190 Interconnected Deadlock/Deadlatch or with 7/8″ [22.2 mm] backset locks.

Standard Package
Individually boxed with mounting hardware and drive pins for both single point and threshold bolt-equipped locks.

Shipping weight
3 lbs [1.36 kg].

Options

- Available in choice of powder coat 119 to match 335 Black anodized, 121 to match 313 Dark bronze anodized, and 130 to match 628 Clear anodized.
- Ordered for left or right hand door, but is easily reconfigured in the field to accommodate either door swing.
How to Order & Compatible Products

**4550 MS Deadlock Lever**: Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DOOR HAND</th>
<th>DOOR THICKNESS</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4550</td>
<td>R</td>
<td>-01</td>
<td>-130</td>
</tr>
<tr>
<td></td>
<td>RH or RHR</td>
<td>01 1-3/4” to 2”</td>
<td>119 To match 335 Black Anodized</td>
</tr>
<tr>
<td></td>
<td>LH or LHR</td>
<td>02 2-1/8” to 2-3/8”</td>
<td>121 To match 313 Dark Bronze Anodized</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>130 To match 628 Clear Anodized</td>
</tr>
</tbody>
</table>

**COMPATIBLE**

**DEADLOCKS**

MS18505, MS18505-050, MS1850SN, MS1850SN-050, MS1950, MS1950-050 Series Deadlocks (not compatible with 7/8” backset)

**FLUSH-BOLTS**

1870, 1870HM Series Flushlocks
MS1850S, MS1850S-X5X Series MS® Deadlocks

The MS1850S Series MS® Deadlock utilizes a laminated stainless steel bolt to provide maximum security for a single leaf narrow stile aluminum door. The MS1850S-X5X Series MS® Deadlock utilizes a laminated stainless steel hookbolt to provide maximum security for a sliding narrow stile aluminum door. Both are activated by a pivot mechanism.

Function

A huge bolt of laminated stainless steel, nearly 3” long, activated by an uncomplicated pivot mechanism, has made the basic MS1850S Series MS® Deadlock the standard of the narrow stile aluminum door industry. The length of this bolt provides maximum security for a single leaf door, even a very tall and flexible one or an installation where the gap between the door and jamb is greater than it should be.

The MS1850S-X5X Series MS® Deadlock answers the security need of sliding narrow stile aluminum doors in commercial, industrial, and institutional buildings. The locking mechanism is identical to the MS1850S Series MS Deadlock, except that the massive laminated bolt is provided in a hook shape to resist the parting motion of sliding door and jamb. The over-center maximum security (MS) locking action assures that forced entry attempts to pry the door in any direction, up, down, or sideways will be defeated.

Special configuration: The 1850S-X2X Series Short Throw Deadlock utilizes a laminated stainless steel short bolt, activated by a pivot mechanism to secure a single leaf narrow stile aluminum door.

Operation

360° turn of key or thumbturn projects or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1" [25.4 mm] length, 1-5/32" [29.4 mm] diameter mortise cylinder with MS® cam such as the 4036 Mortise Cylinder or thumbturn such as the 4066 Thumbturn, available separately. Lock accepts cylinder from either or both sides.
Features

**Backset**
7/8" [22.2 mm], 31/32" [24.6 mm], 1-1/8" [28.6 mm], and 1-1/2" [38.1 mm]. MS1850S-X2X not available with 7/8" backset.

**Case**
Measures 1" x 6" x depth [25.4 mm x 152.4 mm x depth], depth varies by backset (see table on left). Steel with corrosion-resistant plating.

**Faceplate**
Measures 1" x 6-7/8" [25.4 mm x 174.6 mm].

**Strike**
See below for dimensions of strike slot which can be cut in metal jamb. Trim plate, box strike, and armored strike are available separately.

**Bolt**
Eight-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type “super” hacksaws.

MS1850S: Standard straight bolt measures 5/8" x 1-3/8" x 2-7/8" [15.9 mm x 34.9 mm x 73.0 mm] with 1-3/8" [34.9 mm] throw.

MS1850S-X5X: Hookbolt measures 5/8" x 1-3/8" [15.9 mm x 34.9 mm] with 13/16" [20.6 mm] throw. Hook shaped bolt repels pry bar attempts to “spread” the door from its jamb or lift it off its track.

1850S-X2X: Short bolt measures 5/8" x 1-3/8" x 2-3/8" [15.9 mm x 34.9 mm x 60.3 mm] with 13/16" [20.6 mm] throw.

**Standard Package**
Individually boxed with faceplate and mounting screws. Strike plates, cylinders and/or thumbturns available separately.

**Shipping Weight**
1-1/2 lbs [0.68 kg].

**Options**
- “SCHOOLHOUSE” version, also available, is modified so that operation from inside is “unlock only”. This lock is handed and must be specified LH or RH. Specify SCH1850S or SCH1850S-X5X Series. Same faceplate and backset options as MS1850S and MS1850S-X5X Series.
How to Order & Related Products

**MS1850S, MS1850S-X5X Series MS® Deadlock**: Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>PRODUCT NO.</th>
<th>FACEPLATE</th>
<th>BACKSET</th>
<th>BOLT SHAPE</th>
<th>HANDING</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS185</td>
<td>0S</td>
<td>-2</td>
<td>1</td>
<td>0</td>
<td>-628</td>
</tr>
<tr>
<td>05 Flat</td>
<td>1 7/8&quot;</td>
<td>1 Straight bolt</td>
<td>0 Non-Handed*</td>
<td>313 Dark Bronze Anodized</td>
<td></td>
</tr>
<tr>
<td>1S Radius</td>
<td>2 31/32&quot;</td>
<td>5 Hookbolt</td>
<td>5 LH or RHR</td>
<td>335 Black Anodized</td>
<td></td>
</tr>
<tr>
<td>1SW Radius with weatherstrip</td>
<td>3 1-1/8&quot;</td>
<td>6 RH or LHR</td>
<td>628 Clear Anodized</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 Bevel</td>
<td>4 1-1/2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35 Without faceplate, without strike plate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Any flat or radius faceplate, except Schoolhouse. Select handing for bevel faceplate only.

**1850S-X2X Series Short Throw Deadlock**: Specify quantity and the following information. Order related products separately.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FACEPLATE</th>
<th>BACKSET</th>
<th>BOLT SHAPE</th>
<th>HANDING</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>185</td>
<td>0S</td>
<td>-2</td>
<td>2</td>
<td>0</td>
<td>-628</td>
</tr>
<tr>
<td>05 Flat</td>
<td>2 31/32&quot;</td>
<td>2 Short Throw</td>
<td>0 Non-Handed*</td>
<td>313 Dark Bronze Anodized</td>
<td></td>
</tr>
<tr>
<td>1S Radius</td>
<td>3 1-1/8&quot;</td>
<td>5 LH or RHR</td>
<td>335 Black Anodized</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 Bevel</td>
<td>4 1-1/2&quot;</td>
<td>6 RH or LHR</td>
<td>628 Clear Anodized</td>
<td></td>
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<tr>
<td>35 Without faceplate, without strike plate</td>
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<td></td>
</tr>
</tbody>
</table>

*Any flat or radius faceplate, except Schoolhouse. Select handing for bevel faceplate only.

**RELATED — MS1850S & MS1850S-X5X**

When purchasing this product, please consider the following related products, available separately:

**ACCESSORIES**

- 4015 Threshold Bolt, 4016 Header Bolt for multi-point locking
- 4085 Header Bolt for pairs of doors
- 4000, 4001, MS4002 Deadlock Strikes
- Lock mounting accessories and options

**CYLINDERS**

- Standard 1" length, 1-5/32" diameter mortise cylinder with MS® cam such as 4036 Mortise Cylinder, 4066 Thumbturn, MS4043 Cylinder Guard

**TRIM**

- 3090, 3090R, 3090C, A100 Series Keyless Entry, 4550 Deadlock Lever
- 4089 Exit Indicator

**SPECIAL ORDER OPTIONS**

- Schoolhouse function available as special order.