MS1850S-050 Series MS® Deadlock

The MS1850S-050 Deadlock utilizes a laminated stainless steel hookbolt, activated by a pivot mechanism to provide maximum security for a sliding narrow stile door.

Function

The MS1850S-050 Deadlock answers the security need of sliding glass doors in commercial, industrial, and institutional buildings. The mechanism is identical to the widely used Maximum Security swinging door lock, 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 MS locking action assures that forced entry attempts to pry the door in any direction, up, down, or sideways will be defeated.

Operation

360° turn of key or thumbturn throws or retracts the counterbalanced bolt. Key can be removed only when bolt is in a positively locked or unlocked position. Lock accepts any standard 1-5/32" diameter mortise cylinder or thumbturn from either or both sides. Cylinder must have MS® dimensioned cam.

Specifications

**CYLINDER BACKSET**
- 7/8", 31/32", 1-1/8", or 1-1/2" only.

**CASE**
- Steel with corrosion-resistant plating, measures 1" x 6" x depth. Depth varies by backset (see table on back of page).

**BOLT**
- 5/8” x 1-3/8” with 13/16” throw. Eight-ply laminated stainless steel. Center ply has alumina-ceramic core to defeat any hacksaw attack, including rod-type “super” hacksaws, while hook shape repels pry bar attempts to “spread” the door from its jamb or lift it off its track.

**FACEPLATE**
- Measures 1” x 6-7/8”.

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

**CYLINDER CAM**
- MS1850S-050 Deadlocks are operable by any standard 1-5/32” diameter mortise cylinder with MS® cam dimensioned as shown. Cylinders with MS® cams can be readily obtained from most cylinder manufacturers. See CYLINDERS section for cylinder make, thumbturn and trim ring information.

**OPTIONS**
- Cylinder backset and faceplate finish and shape (radiusied, flat or bevel cross-section to match door nose) must be specified. “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 Series SCH1850S-050. Same faceplate and backset options as Series MS1850S-050. Operation from inside, with standard Adams Rite 4066 Trim or with 4550 Deadlock Lever. For wood or hollow metal, see MS1850SN.

**STANDARD PACKAGE**
- Individually boxed with machine screws for mounting. Cylinders and/or thumbturns available separately. Shipping weight: 1-1/2 lbs.
**Dimensions**

SHOWN WITH FLAT FACEPLATE

BACKSET MEASURED AT CENTERLINE OF STILE NOSE

**Stile Preparation**

**Lock & Cylinder Installation**

**How Backset is Measured:**
- CYLINDER
- FLAT
- RADIUS
- BEVEL

**How Backset is Measured:**
- BACKSET
- “A”

**Backset “A”**
- 7/8”
- 22.2mm
- 1-9/16”
- 39.7mm
- 31/32”
- 24.6mm
- 1-5/8”
- 41.3mm
- 1-1/8”
- 28.6mm
- 1-25/32”
- 44.5mm
- 1-1/2”
- 38.1mm
- 2-1/4”
- 57.2mm

**Armored Faceplate**

- FLAT MS1850S-050
- RADIUS MS1851S-050
- RADIUS W/ WEATHERSTRIP MS1851SW-050
- LH BEVEL MS1852S-055
- RH BEVEL MS1852S-056

**How to Order MS1850S-050 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>HANDING</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS185 0S</td>
<td>Flat</td>
<td>1-7/8”</td>
<td>LH or RHR</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Radius</td>
<td>2-31/32”</td>
<td>RH or LHR</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>Radius with weatherstrip</td>
<td>3-1-1/8”</td>
<td>Non-Handed</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Bevel</td>
<td>4-1-1/2”</td>
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**Related Products**

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

  **Accessories**
  - 4015 Threshold Bolt or 4016 Header Bolt for multi-point locking.
  - 4085 Header Bolt for pairs of doors.
  - Deadlock Strikes.
  - Lock mounting accessories and options.

  **Cylinders**
  - MS1850S-050 Deadlocks are operable by any standard 1-5/32” diameter mortise cylinder with MS® cam.

  **Trim**
  - Deadlock lever trim and keyless entry trim.
  - Exit indicators.

  **Special Order Options**
  - Schoolhouse function available as special order.