

# MS1850SN, MS1850SN-45X

## Series MS® Deadlocks

The ANSI size **MS1850SN Series MS® Deadlock** utilizes a laminated stainless steel bolt and the ANSI size **MS1850SN-45X Series MS Deadlock** utilizes a stainless steel hookbolt, both activated by a pivot mechanism to provide maximum security for hollow metal or wood doors.

### Function

For hollow metal or wood doors prepared for hardware according to the specifications of the American National Standards Institute (ANSI), the **MS1850SN Series MS® Deadlock** provides maximum security and ease of installation. Its standard 1-1/2" [38.1 mm] backset dimension provides adequate clearance for the deep stop on the door jamb of hollow metal entrances.

The ANSI size **MS1850SN-45X Series MS® Deadlock** provides maximum security and ease of installation for hollow metal or wood sliding doors. Its standard 1-1/2" [38.1 mm] backset dimension provides adequate clearance for the deep jamb "pocket" of many commercial and industrial entrances. The locking mechanism is identical to the widely used 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. Also useful for swinging doors closing against jambs too shallow for the 1-3/8" [34.9 mm] throw of the MS1850SN Series MS® Deadlock.

### 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, available separately or thumbturn such as the 4066 Thumbturn, available separately. Lock accepts cylinder from either or both sides.



MS1850SN

Hollow  
Metal

Wood

Swinging  
DoorSliding  
DoorMS1850SN  
-450 only

MS1850SN-45X

All measurements are approximate and are provided for informational purposes only. Refer to the product Installation Instructions.

## Features

### Backset

1-1/2" [38.1 mm] available only

### Case

Measures 1" x 6" x 2-1/4"  
[25.4 mm x 152.4 mm x 57.2 mm]. Steel  
with corrosion-resistant plating.

### Bolt

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

**MS1850SN:** 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.

**MS1850SN-45X:** Hookbolt measures  
5/8" x 1-3/8" [15.9 mm x 34.9 mm] with  
13/16" [20.6 mm] throw. Hook shape  
repels pry bar attempts to "spread" the  
door from its jamb or lift it off its track.

### Faceplate

Measures 1-1/4" x 8" [31.8 mm x 203.2 mm].

### Strike

See below for dimensions of strike slot which  
can be cut in metal jamb. Lipped, ANSI-spec,  
and other strike plates available separately.

### Standard Package

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

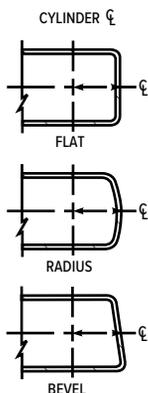
### Shipping Weight

1-1/2 lbs [0.68 kg].

## Options

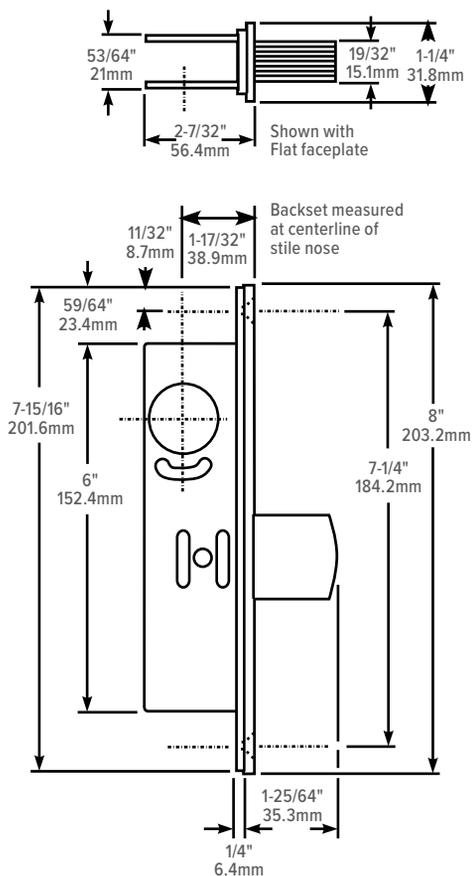
- "SCHOOLHOUSE" version, also available,  
is modified so that operation from inside  
is "unlock only". This lock is handed and  
must be specified LH or RH. Specify  
SCH1850SN or SCH1850SN-450 Series.  
Same faceplate and backset options as  
MS1850SN or MS1850SN-450 Series.

HOW BACKSET  
IS MEASURED:

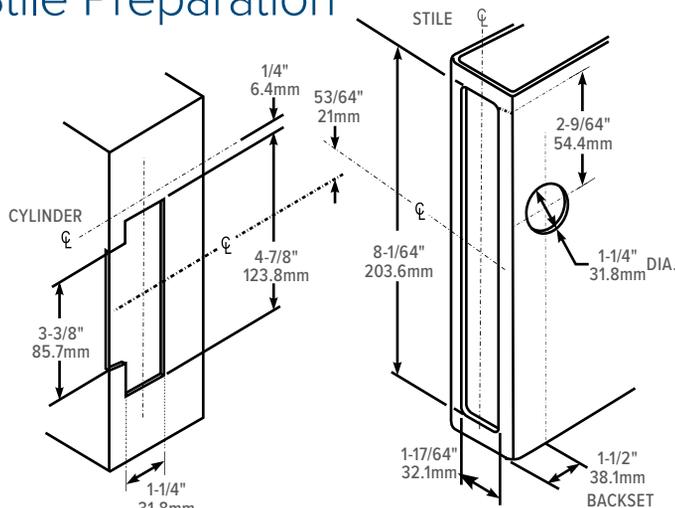


ARMORED FACEPLATE 1-1/4" X 8"	
FLAT MS1850SN	
RADIUS MS1851SN	
LH BEVEL MS1852SN-X15	
RH BEVEL MS1852SN-X16	

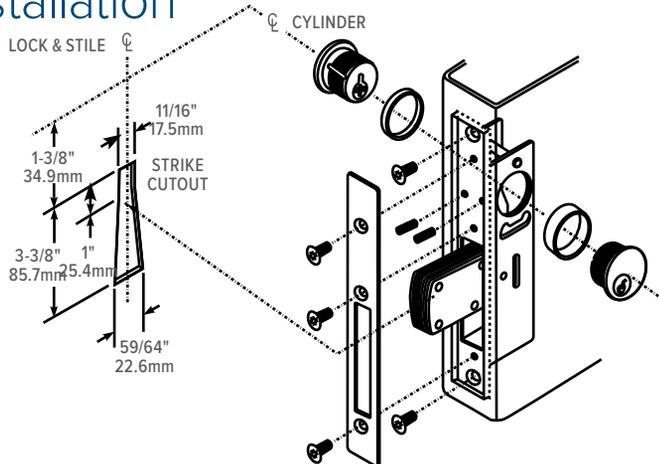
## MS1850SN Dimensions



## Stile Preparation

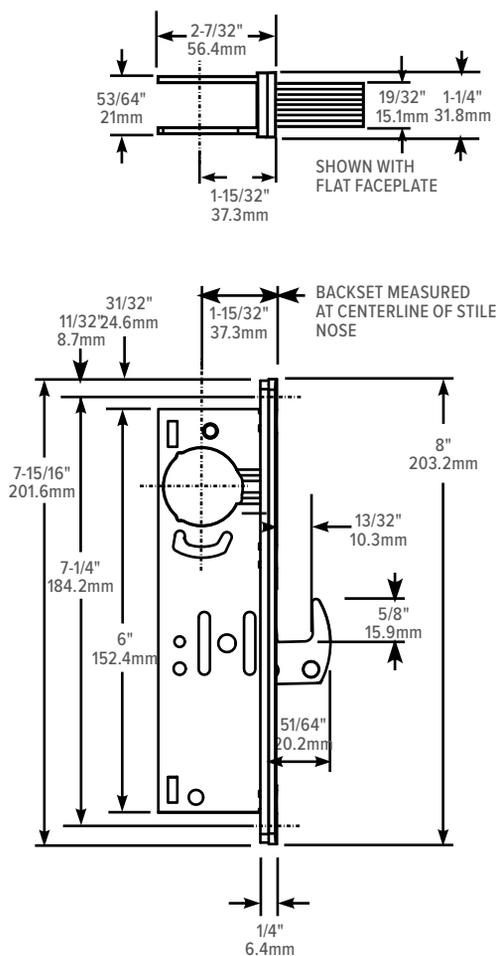


## Lock & Cylinder Installation

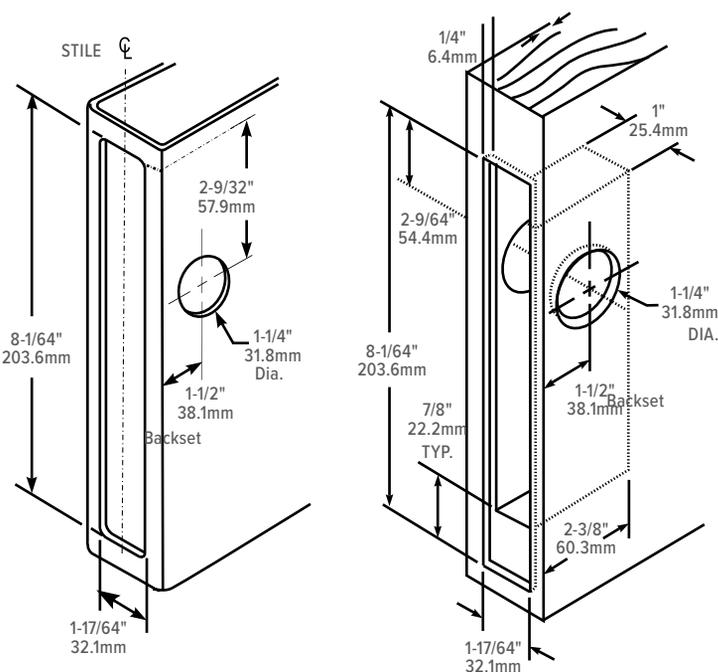


# MS1850S-45X

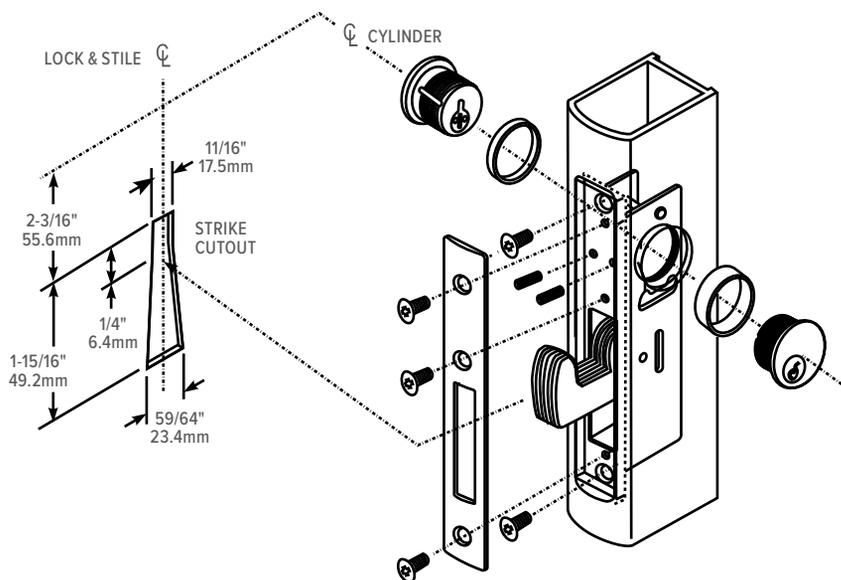
## Dimensions



## Stile & Wood Preparation



## Lock & Cylinder Installation



## How to Order & Related Products

**MS1850SN, MS1850SN-45X Deadlock:** Specify quantity and the following information. Order related products separately.

MODEL	FACEPLATE	ANSI SIZE	BOLT SHAPE	HANDING	FINISH
MS185	0	SN	-41	0	628
	0 Flat		41 Straight bolt	0 Non-Handed*	313 Dark Bronze Anodized
	1 Radius		45 Hookbolt	5 LH or RHR	335 Black Anodized
	2 Bevel			6 RH or LHR	628 Clear Anodized

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

### RELATED – MS1850SN & MS1850SN-45X

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

TRIM	CYLINDERS	ACCESSORIES	SPECIAL ORDER OPTIONS
3090-150, A100 Series Keyless Entry, 4550 Deadlock Lever	Standard 1" length, 1-5/32" diameter mortise cylinder with MS® cam such as 4036 Mortise Cylinder, 4066 Thumbturn; MS4043 Cylinder Guard	4000, 4001, MS4002 Deadlock Strikes 4015 Threshold Bolt, 4016 Header Bolt for multi-point locking. 4085 Header Bolt for pairs of doors Lock mounting accessories and options 4089 Exit Indicator	Schoolhouse function available as special order.