

# MS+1890 Series

## MS® Deadlock/Deadlatch

MS+1890 Series MS Deadlock/Deadlatch provides a maximum security deadlock for after hour and traffic control with deadlatch convenience during business hours.



MS® Prep



## Function

Maximum security MS+ deadlock after hours, plus the convenience of traffic control management during the business day. Typical installation is a bank or store requiring three modes of door control:

1. Both lock and latchbolts retracted for unrestricted entry and exit during business hours
2. Handle-operated latch for exit-only traffic just after closing
3. Maximum security MS hookbolt for overnight lockup. When using trim (available separately) to activate, handle or paddle operates latchbolt only.

## Operation

360° turn of key or thumbturn projects or retracts the hookbolt. 120° further turn retracts latchbolt as well. 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. When using trim (available separately) to activate, handle retracts spring-loaded latchbolt only. For door thickness other than 1-3/4", please contact factory.

## Features

### Cylinder Backset

31/32" [24.6 mm], 1-1/8" [28.6 mm], or 1-1/2" [38.1 mm].

### Case

Measures 1" x 7-3/8" x depth [25.4 mm x 187.3 mm x depth], depth varies by backset (see table on back of page). Steel with corrosion-resistant plating.

### Bolt

**Deadlock bolt:** 5/8" x 1-3/8" [15.9 mm x 34.9 mm] with 13/16" [20.6 mm] 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.

**Latchbolt:** Measures 5/8" x 5/8" [15.9 mm x 15.9 mm] with 7/16" [11.1 mm] throw. Zinc alloy with Delrin

face for smooth, quiet action. Hanging easily reversible. Bolt can be held fully retracted to allow door to be free swinging (see illustration on back of page).

### Strike

Armored strike with satin stainless steel trimplate with steel mounting plate and dust box. Flat strike furnished. Also available for pairs of doors in radius shape, or flat with square corners for ANSI hollow metal jambs. Flat strikes also available with longer lip.

MS+1890 Deadlock/Latch cannot be used with electric strikes.

### Standard Package

Individually boxed with strike and machine screws for mounting. Cylinder and/or thumbturn available separately.

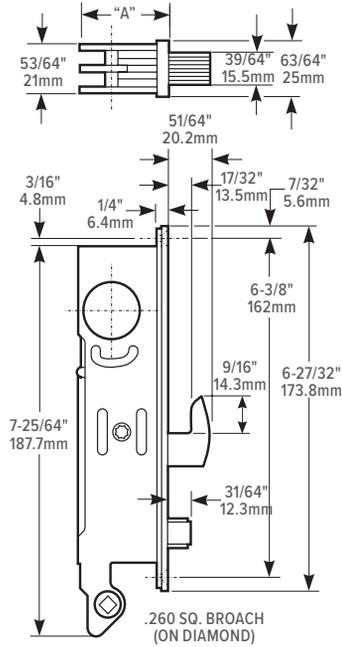
### Shipping weight

2 lbs [.91 kg]

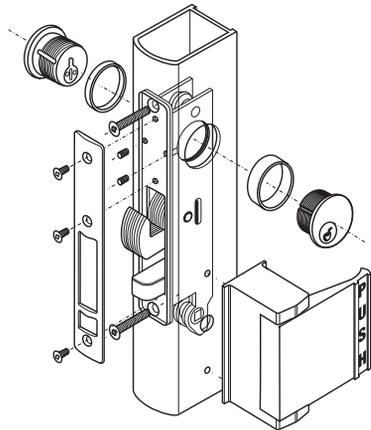
## Options

- Handle, paddle available separately for one side only or both sides. Handles, paddles on both sides solve, with minimum traffic impediment, the problem of doors that stand ajar due to wind or air-conditioning pressures.
- Available in right hand or left hand configurations
- Available in choice of 313 Dark bronze anodized, 335 Black anodized, 628 Clear anodized

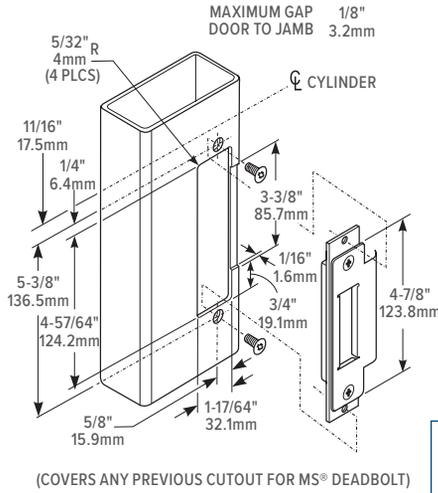
# Dimensions



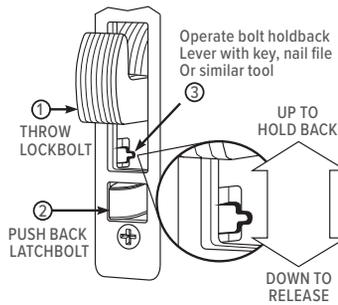
## Latch/Lock, Cylinder & Paddle Installation



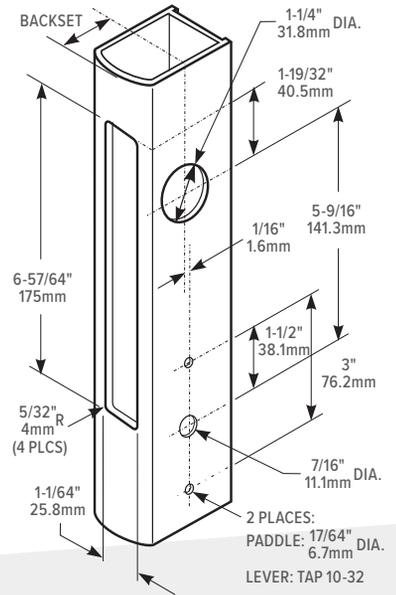
## Jamb Preparation



## Latch Holdback Instructions



## Stile Preparation



## How to Order & Related Products

MS+1890 Series MS® Deadlock/Deadlatch: Specify quantity and the following information. Order related products separately.

MODEL	FACEPLATE	BACKSET	STRIKE SHAPE/LIP LENGTH	HANDING	FINISH
MS+189	1	-3	02	6	-628
	0 Flat	2 31/32"	01 Flat/Standard Jamb	5 LH or RHR	313 Dark Bronze Anodized
	1 Radius	3 1-1/8"	02 Radius/Standard Stile	6 RH or LHR	335 Black Anodized
	1W Radius with weatherstrip	4 1-1/2"	17 Flat/Center Hung 4" Jamb		628 Clear Anodized
	2 Bevel		21 Flat/Center Hung 4-1/2" Jamb		
	3 Without faceplate, without strike plate				

For door thickness other than 1-3/4", contact factory.

### RELATED PRODUCTS

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

TRIM	CYLINDERS	ACCESSORIES
4560, 4565 Deadlatch Handles, 4568, 4569 Eurostyle Deadlatch Handles, 4590, 4591 Deadlatch Paddles.	Standard 1" length, 1-5/32" diameter mortise cylinder with MS® cam such as 4036 Mortise Cylinder, 4066 Thumbturn; MS4043 Cylinder Guard	Trim strikes, including 4505 armored strike. 4089 Exit Indicator

#### ARMORED FACEPLATE 1" X 6-7/8"

FLAT MS+1890

RADIUS MS+1891

RADIUS W/ WEATHERSTRIP MS+1891W

LH BEVEL MS+1892 (LH)

RH BEVEL MS+1892 (RH)

BACKSET	"A"
31/32" 24.6mm	1-5/8" 41.3mm
1-1/8" 28.6mm	1-25/32" 45.2mm
1-1/2" 38.1mm	2-1/4" 57.2mm