



### 1850 SERIES MAXIMUM SECURITY LAMINATED DEADLOCKS/HOOKBOLTS

- For single leaf doors where the gap between door and jamb is large
- Accepts standard mortise cylinder
- Steel with corrosion resistant plating
- Case size: 1" x 6"



**HOOKBOLT**



**LONG THROW DEADLOCK (A)**

MFG #	BACKSET	FINISH	EZ #
<b>LONG THROW DEADLOCK: 5/8" X 1-3/8" THROW</b>			
MS1850S110 628	7/8"	Aluminum	025812
MS1850S410 628	1-1/2"	Aluminum	025815
<b>LONG THROW LESS FACEPLATE DEADLOCK</b>			
MS1853A 210	31/32"	—	035010
MS1853A 310	1-1/8"	—	035012
<b>SHORT THROW DEADLOCK: 5/8" X 13/16" THROW</b>			
MS1850S220 628	31/32"	Aluminum	067343
MS1850S320 628	1-1/2"	Aluminum	067344
<b>HOOKBOLT: 5/8" X 13/16" THROW</b>			
MS1850S150 628	7/8"	Aluminum	025817
MS1850S450 628	1-1/2"	Aluminum	025820
<b>HOOKBOLT LESS FACEPLATE: 5/8" X 13/16" THROW</b>			
MS1853A 250MC	31/32"	—	035011
MS1853A 350MC	1-1/8"	—	035013

### 2190 SERIES DUAL FORCE® INTERCONNECTED DEADBOLT/DEADLATCH

**BHMA**  
CERTIFIED  
GRADE 1

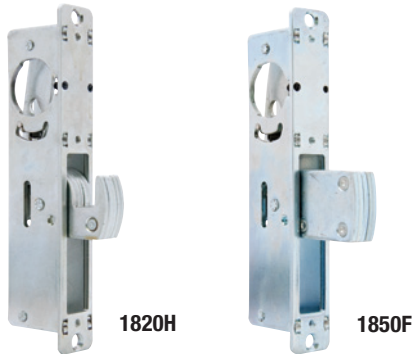


- Interconnected deadbolt and deadlatch operate with a single motion release
- Meets the most stringent building code egress requirements
- Electrified lever option for access control
- Re-handable
- Clutched exterior lever trim
- Passage mode lever sets available for interior doors
- FaceStyle adaptable faceplate system
- Retrofits to MS® prepped doors
- Key controlled extension of deadbolt and latch holdback
- Positive latching for energy efficiency
- ANSI/BHMA Type E82101 Grade 1

MFG #	BACKSET	FINISH	EZ #
<b>WITH TRIM SET</b>			
2190 311 101 32D	1-1/8"	Satin Stainless	102659
<b>WITH ELECTRIFIED TRIM SET</b>			
2190 311 201 32D	1-1/8"	Satin Stainless	102661



### MAXIMUM SECURITY BOLTS



- Maximum security bolt provides for excellent security even when a gap exists between the door & frame
- Laminated bolt provides more strength than one piece design
- Replacement for existing aluminum door flip & hook bolts
- Case size: 7/8" x 6-13/16"
- Flip bolt: 5/8" x 1-3/8" throw for swinging doors
- Hook bolt: 5/8" x 13/16" throw for sliding doors
- Includes both clear & brown anodized aluminum faceplates

MFG #	BOLT	BACKSET	EZ #
1820H118	Hook	1-1/8"	090024
1820H3132	Hook	31/32"	090023
1850F118	Flip	1-1/8"	090026
1850F3132	Flip	31/32"	090025

### DEADLATCHES



- Replacement for existing aluminum door latches
- Case size: 7/8" x 6-13/16"
- Latch bolt: 5/8" x 1" x 5/8" throw
- Deadpin prevents the latch bolt being shimmed open
- Hold back function allows the latch to be "dogged" during store opening times
- Simply hold latch in and turn key backwards to "dog" the latch
- Includes both clear & brown anodized aluminum faceplates

MFG #	BACKSET	HAND	EZ #
4510DL118LH	1-1/8"	Left	103465
4510DL118RH	1-1/8"	Right	090030
4510DL3132LH	31/32"	Left	090027
4510DL3132RH	31/32"	Right	090028

### DEADLATCH LEVER HANDLES



- Works with aluminum door deadlatches such as the LSDA 4510 Series
- Handle is designed to fit the hand and allow for minimum force to open the deadlatch
- Reversible cam disc included

MFG #	FINISH	EZ #
4560L AL	Aluminum	090031
4560L DU	Duranodic	090032

### DEADLATCH PADDLE HANDLES



4590P AL



CAMPLUG

- For aluminum door latches on both outswing and inswing doors
- Reversible cam disc included
- Both Push & Pull stickers included which allows for: Push to Right, Push to Left, Pull to Right or Pull to Left

MFG #	FINISH	EZ #
4590P AL	Aluminum	090033
4590P DU	Duranodic	090034
CAMPLUG	Aluminum	090932

### LEVER HANDLES

A



4550R



4560



4565



4568



#### REVERSIBLE 4580 CAM DISC:

Included with 4560 & 4565 handles. Required to operate 4500/4700/4900 series latches.

MFG #	HAND	FINISH	DOOR THICKNESS	EZ #
<b>OPERATES WITH MS</b>				
4550R01 130	Rev	Aluminum	1-3/4" to 2"	061496
<b>OPERATES WITH DEADLATCH</b>				
4560 501 121	LH	Duranodic	1-3/4" to 2"	051024
4560 501 130	LH	Aluminum	1-3/4" to 2"	001016
4560 502 130	LH	Aluminum	2-1/4" to 2-1/2"	079046
4560 601 121	RH	Duranodic	1-3/4" to 2"	103304
4560 601 130	RH	Aluminum	1-3/4" to 2"	001017
4565 501 121	LH	Duranodic	1-3/4" to 2"	001023
4565 501 130	LH	Aluminum	1-3/4" to 2"	001022
4565 601 130	RH	Aluminum	1-3/4" to 2"	035020
4568 501 130	LH	Aluminum	1-3/4" to 2"	001025

### 4590 SERIES PADDLE & 4560 SERIES LEVER PARTS

#### FOR PADDLES



26 0188 09



26 0398



91 0060

#### FOR PADDLES & LEVERS



4580

#### FOR LEVERS



28 0225



31 0485

MFG #	DESCRIPTION	FOR	EZ #
26 0188 09	Binder Post	Paddle	000884
26 0398	Set Screw	Paddle	000967
91 0060	Spring Replacement Kit	Paddle	067458
4580 501	LH Cam Disc	Lever & Paddle	001029
4580 601	RH Cam Disc	Lever & Paddle	001030
28 0225	Spring	Lever	000944
31 0485	Spindle Assembly	Lever	000955

### BOTTOM RAIL & DEADBOLT OPTIONS



MS1830



MS1861



MS4070

**MS1861:** Utilizes the same over center/pivot locking mechanism as the MS deadlock. For use in the bottom rail of ultra-narrow stile doors and tempered glass doors (which have no stile at all). Use the 1830 when the bottom rail is too shallow to accommodate the MS1861.

**MS4070:** Offers the longest practical throw for a conventionally projected bolt from a narrow stile. Operates with one-half key turn of any standard mortise type cylinder or cylinder type thumbturn. **NOT TO BE USED IN BOTTOM RAIL.**

MFG #	BACKSET	DESCRIPTION	EZ #
1830 02	31/32"	5/8" Throw Bolt	035007
1830 03	1-1/8"	5/8" Throw Bolt	035008
MS1861 01	2-1/4"	13/16" Stainless Pin Bolt	035014
MS4070 20 628	31/32"	5/8" Throw Horizontal Bolt	025824
MS4070 30 628	1-1/8"	5/8" Throw Horizontal Bolt	025825

### SLIDING DOOR LOCKS

A



MS1848



2331

#### MS1848 DEADLOCK

- For narrow stile sliding doors
- Bolt: anti-lift/adjustable
- Faceplate: Full radiused ends
- Satin stainless finish

#### 2331 DEADLOCK FOR HEAVY SLIDING DOORS

- Backset: 1-3/4" only
- Bolt: 1/2" x 1-1/2"
- Strike: 1/8" x 1" x 4-11/16" with 5/8" x 1-5/8" opening
- Faceplate: 1" x 5-3/4" flat

MFG #	DESCRIPTION	CASE	EZ #
MS1848 02	Patio Lock	1/2" x 3-3/16" x 1-1/8"	035009
2331 626	Sliding Door Lock	7/8" x 3-5/8" x 2-11/16"	000985

### EFORCE KEYLESS ENTRY



3090 01 626

- Keypad programmable unit has up to 150 users including master, supervisor, emergency users & 2 one time codes
- For 1-3/4" to 2-1/4" thick left or right hand aluminum, steel & wood doors
- Exterior locking trim
- 31/32" backsets and greater
- Non-handed
- Three modes: Standard, operating & lockout
- Free-wheeling lever with clutch
- Powered by 4 AA batteries mounted in front cast housing
- Device operation is confirmed by both a visual LED light indicator and an audible sound generated by a piezo horn
- Measures: 1-3/4"W x 15-3/8"H
- Temperature range: -35°C to +66°C

MFG #	FINISH	EZ #
<b>FOR 4500, 5700, 4900 LATCHES &amp; 8000 SERIES EXIT DEVICES</b>		
3090 01 121	Duranodic	101096
3090 01 626	Satin Chrome	101095
<b>FOR MS DEADBOLT</b>		
3090 02 121	Duranodic	101098