

# Dual Force® 2290 Interconnected Deadbolt/Deadlatch



The Dual Force 2290 Interconnected Deadbolt/Deadlatch provides access control and security for wood or hollow metal doors. Latch and deadbolt capabilities are combined for fast, easy, and panic-proof exiting.

## Function

The Dual Force 2290 combines the access control capabilities of a latch with the security of a deadbolt. The key retracts and extends the deadbolt (and deadlatch) from either side. The exterior lever retracts the latch only while the inside lever retracts the deadbolt and latch simultaneously for fast, easy, panic-proof exiting. Intended for out-swinging doors.

## Operation

Key or thumbturn retracts or extends deadbolt or deadlatch. Inside lever retracts both when configured with interconnect feature. Outside lever retracts latch only. Latch holdback feature activated or deactivated by turning key to retract latch and sliding holdback button on faceplate down to hold and up to release.

## Specifications

### INTER-CONNECTION

- Field selectable inter-connection feature allows interior trim to retract deadbolt and deadlatch. Consult the local building official for guidance in code compliance. 1-3/4" minimum door thickness required.

### CYLINDER BASKET

- 1-1/8" or 1-1/2" only.

### LATCHBOLT/DEADBOLT

- Latchbolt: 5/8" throw of solid brass. Easily reversible using only a screwdriver. Deadbolt: 1" throw of stainless steel.

### AUXILIARY DEADLATCH PIN

- Stainless steel. Deadlocks latchbolt to prevent "loiding" or case-knife entry.

### FACEPLATES

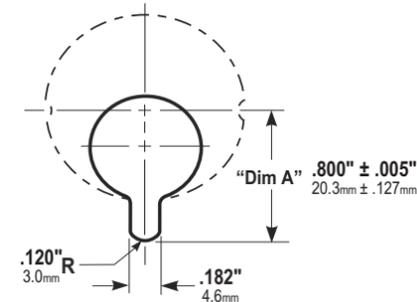
- Measures 1-1/4" x 8". Includes FaceStyle faceplate system that adapts to flat or beveled door edge.

### STRIKES

- Standard strike furnished is the 2206 (ASA) strike for flat jamb where door closes flush or nearly flush.

## CYLINDER CAM

- The Dual Force 2290 is 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

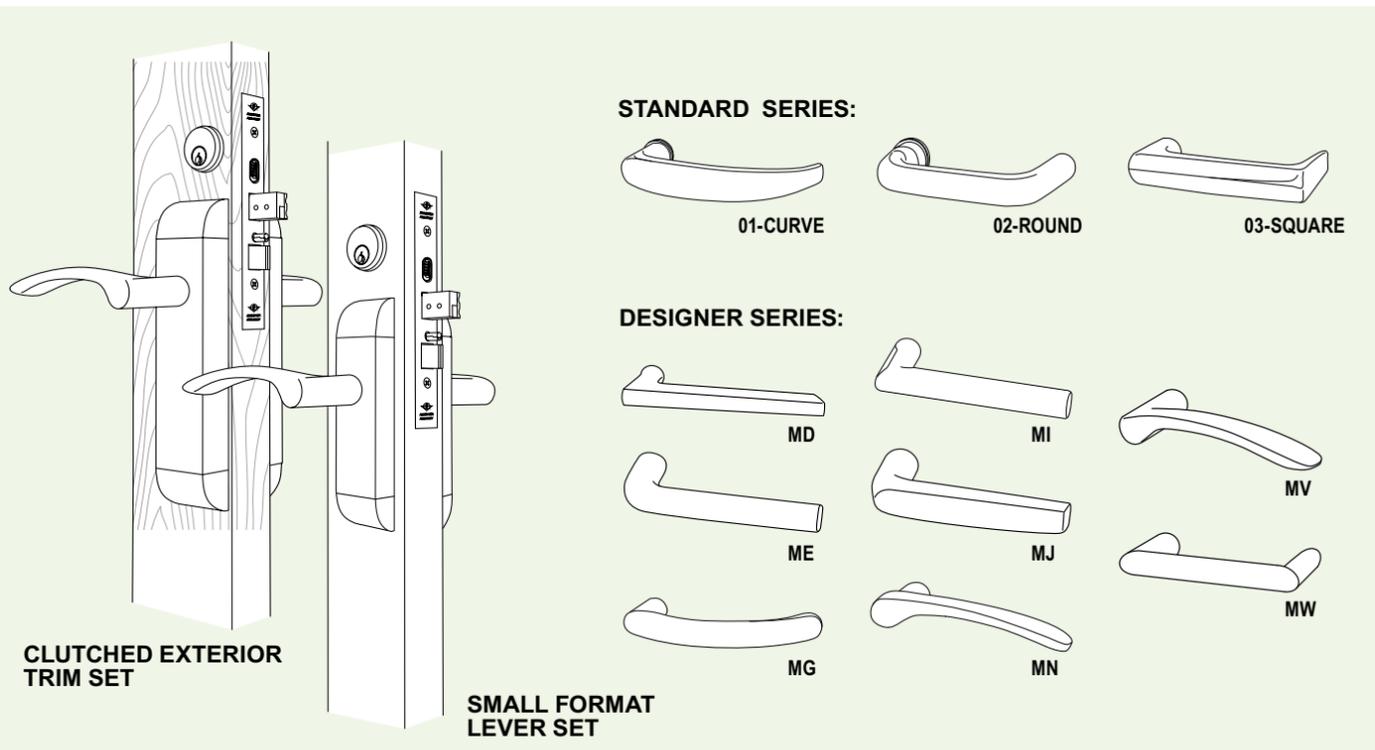
- Specify trim option, lever style, finish, and strike. Also adapts to paddle operator 4591. See 2190 for aluminum door version for narrow stile door construction. Thick Door Kit 2190-TDK-XX available separately. Specify door thickness. Request to Exit RXK-4600 switch available for small format levers. Note that the low profile trim (trim option 3) is recommended for in-swing door applications.

## ELECTRIFIED TRIM OPTIONS

- Order 2190 Electrification Kit EK-2190 for adding to the clutched exterior lever. Dual voltage 12/24 VDC rated for continuous duty operation. Energizing the lever allows exterior lever to be turned to retract latch only. The electrified option is not available for low profile trim (trim option 3).

## STANDARD PACKAGE

- Individually boxed with trim as specified, strike and machine screws for mounting. Cylinders available separately. Shipping weight: 2 lbs.



## HOW TO ORDER DUAL FORCE® 2290 INTERCONNECTED DEADBOLT/DEADLATCH

Specify quantity and the following information. Order related products separately.

PRODUCT NO.	BACKSET	STRIKE	FACEPLATE FINISH	TRIM	HANDLE DESIGNATION	TRIM AND HANDLE FINISH
<b>2290</b>	<b>-3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>01</b>	<b>-32D</b>
	3 1-1/8"	0 None	0 US to match trim finish	0 None	00 No Handle	03 Bright Brass (US3)
	4 1-1/2"	1 Standard Flat	1 Clear Anodized 628	1 With Trim Set	<b>STANDARD SERIES:</b>	04 Satin Brass (US4)
			2 Dark Bronze Anodized 313	2 With Electrified Trim Set	01 Curve	10B Dark Bronze (US10B)
			3 Black Anodized 335	3 Low Profile Trim	02 Round	32 Bright Stainless (US32)
					03 Square	32D Satin Stainless (US32D)
					<b>DESIGNER SERIES:</b>	
					MD MJ	
					ME MN (Handed)	
					MG MV (Handed)	
					MI MW	

Trim options 1 and 2 are for outswing doors only.

## RELATED PRODUCTS

### Electrification

2290 Interconnected Deadbolt/Deadlatch can be electrified in the field using the 2190 Electrification Kit (EK-2190) or it can be ordered with electrified trim (trim option 2).

### Accessories

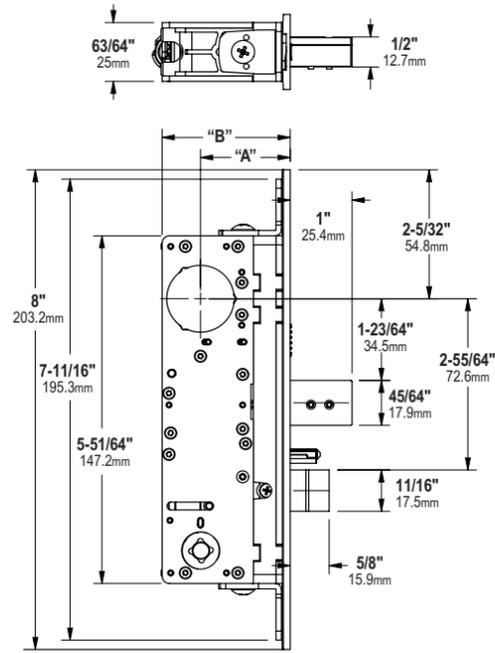
Extended lip strikes.  
2290 thick door kits.

### Cylinders

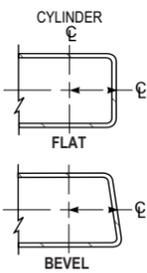
2290 Interconnected Deadbolt/Deadlatch is operable by any standard 1-5/32" diameter mortise cylinder with MS® cam.

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

**Dimensions**



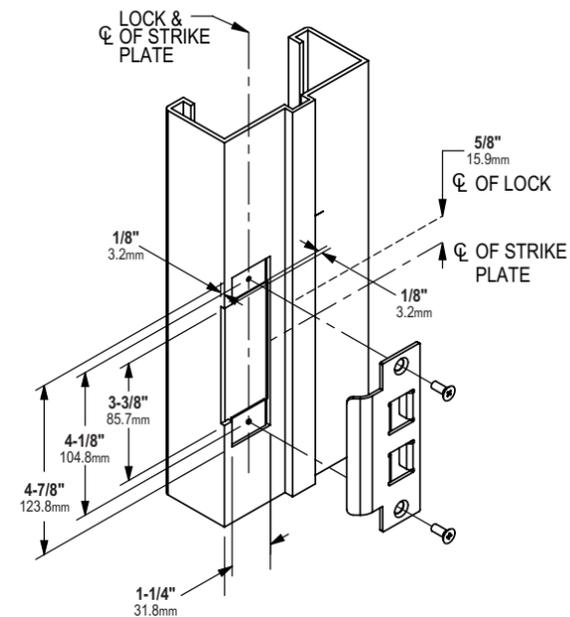
HOW BACKSET IS MEASURED:



BACKSET	"A"	"B"
1-1/8"	1-1/8"	1-3/4"
28.6mm	28.6mm	45.2mm
1-1/2"	1-1/2"	2-1/8"
38.1mm	38.1mm	54mm

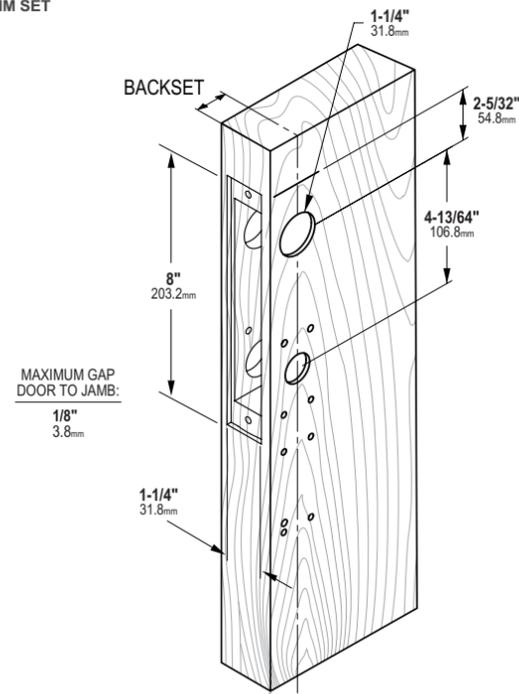
ARMORED FACEPLATE  
1-1/4" X 8"  
FLAT (included) FPK-0066-OX-XXX

**Jamb Preparation**  
2206 STRIKE

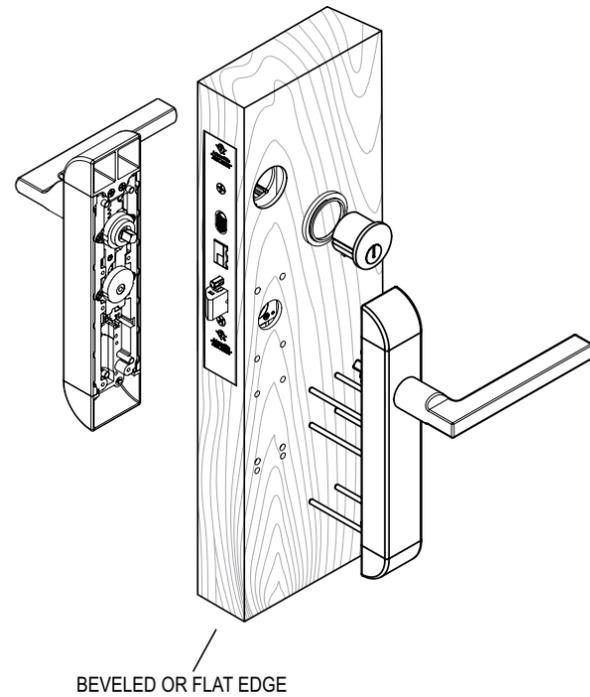


**Stile Preparation**

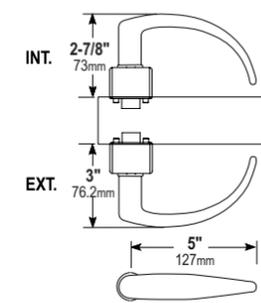
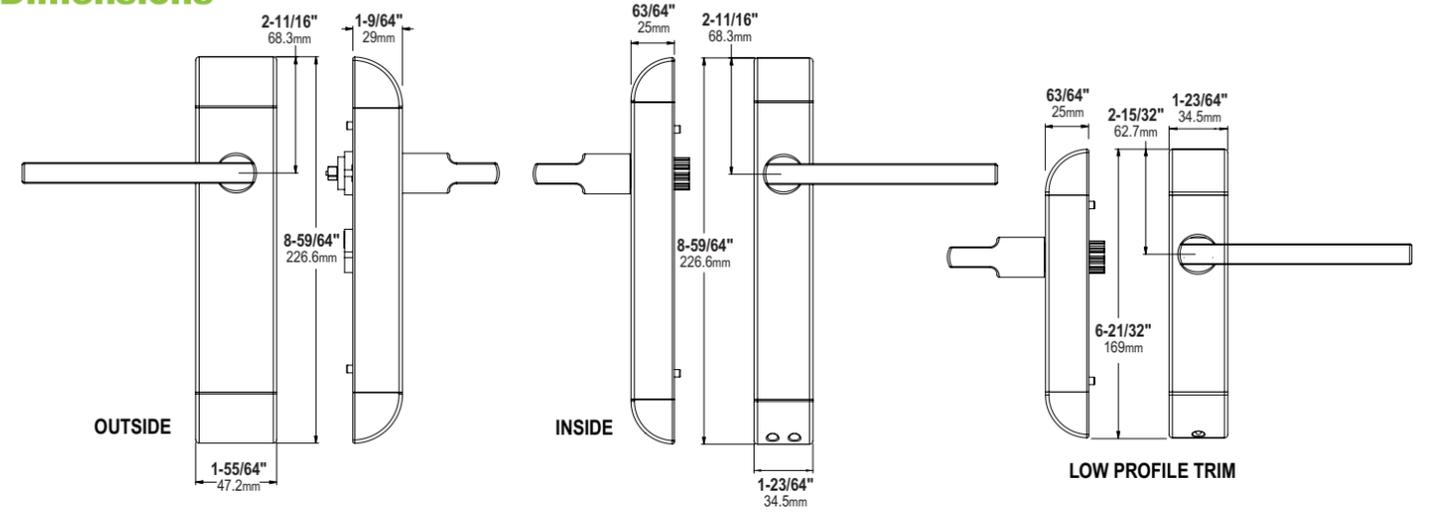
FOR CLUTCHED EXTERIOR TRIM SET



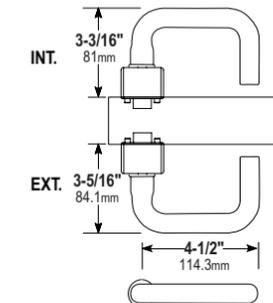
**Latch/Lock, Cylinder & Lever Installation**



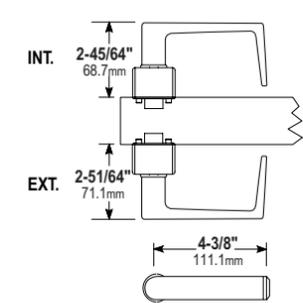
**Dimensions**



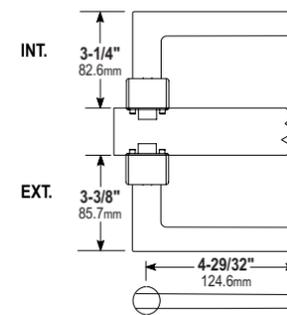
2290 WITH 01 LEVER\*



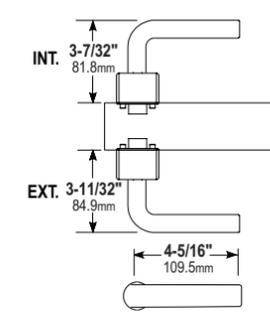
2290 WITH 02 LEVER\*



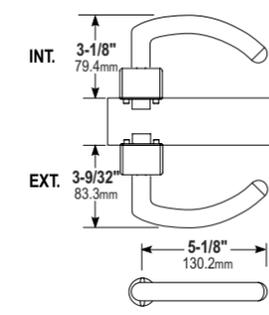
2290 WITH 03 LEVER\*



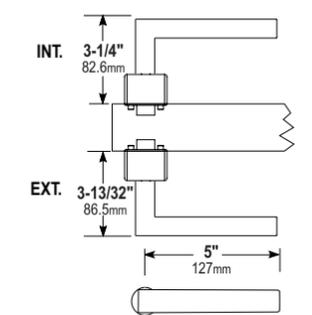
2290 WITH MD LEVER



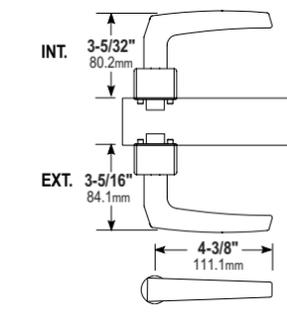
2290 WITH ME LEVER



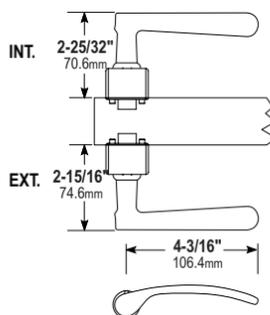
2190 WITH MG LEVER



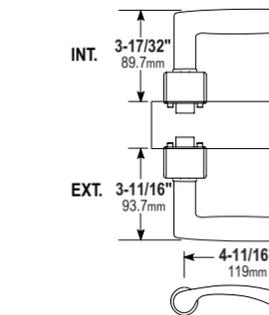
2290 WITH MI LEVER



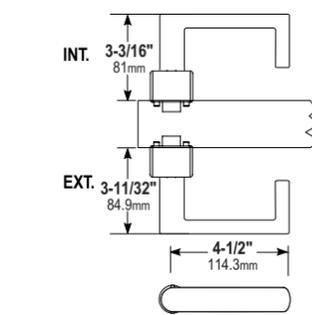
2290 WITH MJ LEVER



2290 WITH MN LEVER\*\*



2290 WITH MV LEVER\*\*



2290 WITH MW LEVER

\* THE 2290-01, -02, AND -03 LEVER HANDLES ARE DESIGNED TO RETURN WITHIN 1/2" OF THE DOOR FACE. HANDLES IN THE DESIGNER SERIES DO NOT HAVE THIS SAME FEATURE. PLEASE VERIFY WITH LOCAL CODE REQUIREMENTS TO ENSURE COMPLIANCE.  
\*\* HANDED