

# 1690 Concealed vertical rod touchbar device

The design of the 1690 is ideal for demanding, moderate-traffic applications. The vertical rods and latch mechanisms are concealed in the vertical door stile, ensuring trouble-free operation. Cast metal cover plates and end caps hold up to rigorous use. A quick, single-point dogging feature in the housing deactivates the device, permitting unrestricted traffic flow. The 1690 may also be used to retrofit a 1990 Series crossbar device.

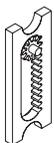


Length	Minimum door size (non-EL)	Minimum door size (EL)
30"	24"	28 1/2"
36"	30"	34 1/2"
42"	36"	40 1/2"
48"	42"	46 1/2"

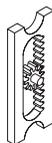


### Positioning retractor as shown for NL or HB functions.

Install retractor as shown below for both RHR and LHR doors; this makes all keys function in the same direction.



Hold back (HB)



Night latch (NL)

## Specifications

Hand:	Field reversible, non-handed.
Functions:	See trim selection chart on this page.
Finishes:	US28, DC13, DC 35, US3, US10, US26, US26D. Centercase and end cap are powder-coated black only.
Strikes:	PB48 top.
Latches:	Standard top - SU latch. Standard bottom - hex bottom bolt. Optional top - ES - electric strike top latch, device must be less bottom rod (LBR). Optional bottom - RL - rod bottom latch. - PL - pullman bottom latch.
Dogging feature:	Hex key dogging standard, except EL where must use hold back feature on outside cylinder.
Cylinder:	Rim, night latch (NL) or hold back (HB) feature available. Field selectable.
Sizes:	30", 36", 42", and 48".
Doors:	1 3/4" thick metal doors, specify if other.*
Projections:	3 3/8" in neutral position, 2 3/8" in dogged position. Pushbar height is 2 1/2".
Stile:	1 3/4" minimum.
Electric functions:	EL - electric latch retraction, ED - electric dogging (both EL and ED require PS914-2RS minimum power supply). RX - request to exit switch, monitors pushpad SPTD switch.
Fasteners:	All machine screw mounting. Device mounting fasteners are concealed, latch fasteners are exposed to egress side.
End caps:	Black powder-coated metal end caps.
Vertical rods:	7' standard, extension rods available up to 10'. Rod extension kits available.
ANSI:	Certified ANSI A156.3 grade 1 standards.
Hurricane:	1690 devices are used for hurricane rated door openings. Consult door manufacturer's listing.

Model	Trim package	Type	Function
1690	No outside trim	6	01
1691	Pull only (9970)	6	02
1692	Cylinder only	6	03/04
1694	Pull and cylinder	6	02/03/04

\* 9970 is for use on HM and Alum doors only. Not for use on wood doors.

# Strikes

## 1690 Concealed vertical rod device



**PB48**  
Top strike for 1690 device. Packed with three 0.050" thick shims. 1 1/16" x 1 1/16" x 7/16" (H x W x D)

## 1790 Rim device



**STK45**  
Strike for inactive leaf, pair of doors with 1790 device. 3 1/4" x 1 5/16" x 1/4" (H x W x D)



**TD35**  
Strike for single doors, 1790 device. Includes 1/8" shim. 3" x 2" x 1/2" (H x W x D)

## (F) 19-R Rim devices



**F570**  
Standard strike. 2 5/8" x 1 1/4" x 13/16" (H x W x D)



**F490**  
Optional strike. 2 5/8" x 1 1/4" x 7/8" (H x W x D)



**565**  
Adjustable surface mounted for use with blade or applied stops. Mounts flush for 1/2" stop height.



**571/571A**  
Used on inactive leaf for device on active leaf of pair of doors without removable mullion. 571 keeps 2 5/16" backset. 571A is trimmer and projects less into opening.

## (F) 19-V Surface vertical rod devices



**3788**  
Top strike for 19-V.



**2130**  
19-V bottom strike for grouting into concrete or masonry floors.



**4155**  
19-V optional bottom strike.



**2126A**  
19-V optional bottom strike.



**4215**  
Angle bracket for 19-V devices flush transom applications. Does not require elimination of latch retention feature.



**Extension rods**  
Extension rods are available in 12", 24" and 36" lengths in all finishes. Both ends tapped and all-thread included as connector.

# How to order

## 1690/1790

		<b>EL</b>	<b>1690</b>	<b>EO</b>	<b>36"</b>	<b>US28</b>	<b>RL*</b>
<b>HH</b>	Hurricane device*						
<b>RX</b>	Request to exit switch						
<b>EL</b>	Electric latch retraction						
<b>ED</b>	Electric dogging						
<b>1690</b>	See model numbes on page 6						
<b>1790</b>	See model numbers on page 7						
<b>EO</b>	Exit only						
<b>DT</b>	Dummy trim						
<b>NL-HBOP</b>	Cylinder assembly - optional pull						
<b>NL-HBP</b>	Cylinder assembly with 9970						
<b>30"</b>	30" (optional)						
<b>36"</b>	36" (standard)						
<b>42"</b>	42" (optional)						
<b>48"</b>	48" (optional)						
<b>US28</b>	<b>DC35</b> <b>US10</b> <b>US26D</b>						
<b>DC13</b>	<b>US3</b> <b>US26</b>						
<b>1690 Only</b>							
<b>HEX</b>	Standard bottom latch						
<b>RL</b>	Rod bottom latch						
<b>PL</b>	Pullman lottomlatch						
<b>ES</b>	Top latch for use with electric strike						
<b>LESS RODS</b>	Less rods (retrofit of 1990 device)						
<b>LBR</b>	Less bottom rods						

\*Applies to 1690 Only