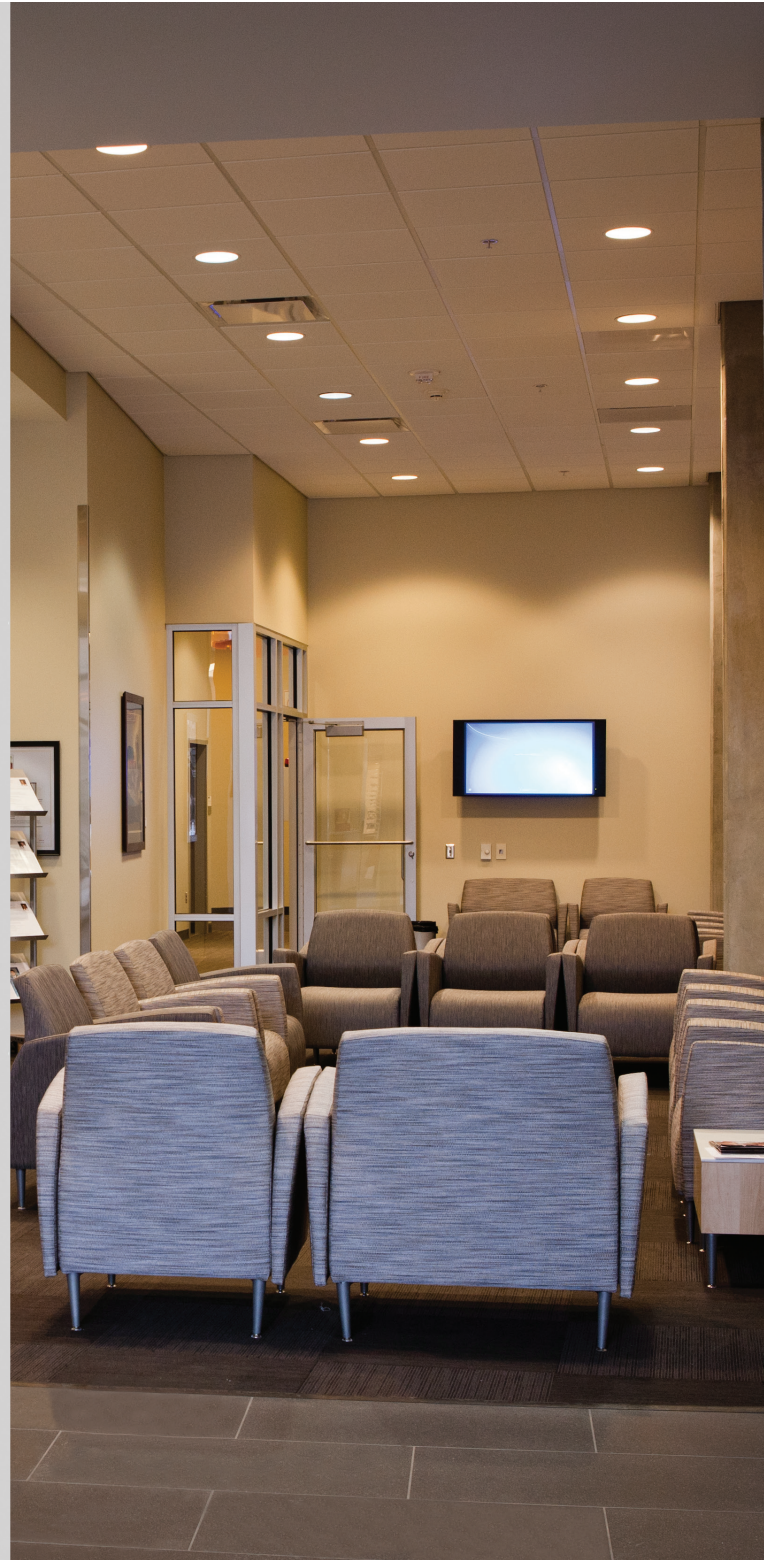


**FALCON®**

# Recessed

Touch bar exit devices



# Table of contents





3	2390 Concealed vertical rod device
4	Accessories
5	Power supply
6	Door application
7	How to order





## The Falcon difference

### Safety, security and uncompromising value

At Falcon, we know that every product you sell not only has to meet local building codes, but also your expectations for performance and quality. We take your expectations seriously, and that's why we build our recessed crossbars to deliver durability, convenience and unmatched value. After all, we've built our reputation on the same standards that you have – providing quality products at a reasonable price delivered on time. It's the way we do business and it's what makes Falcon recessed crossbars a powerful choice no matter what your project.

# Falcon exit devices

	Architectural pushpads	Commercial pushpads		
				
	<b>24/25 Series</b>	<b>19 Series</b>	<b>1490/1590</b>	<b>1690/1790</b>
<b>Selling features</b>	<ul style="list-style-type: none"> <li>• Maximum flexibility in a variety of applications</li> <li>• Wide range of features and options</li> <li>• Patent pending deadlocking technology</li> </ul>	<ul style="list-style-type: none"> <li>• Lowest cost most dependable light-duty exit</li> <li>• Large trim selection</li> <li>• Standard deadlocking</li> </ul>	<ul style="list-style-type: none"> <li>• Steel operating mechanisms</li> <li>• Aluminum push bar and end caps</li> <li>• Durable design</li> <li>• Surface vertical and rim options available</li> </ul>	<ul style="list-style-type: none"> <li>• Patented pending latchbolt for hurricane ratings</li> <li>• #1 selling exit device for aluminum doors</li> <li>• Full compliment of electrical options</li> <li>• Durable design</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Frequent traffic</li> <li>• Offices, churches, hospitality, retail, education, healthcare</li> <li>• Interior, exterior, new construction, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate traffic</li> <li>• Commercial, multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate traffic</li> <li>• Commercial, multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate traffic</li> <li>• Commercial, multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>
<b>Device options</b>	<ul style="list-style-type: none"> <li>• Rim, SV, CV, M</li> <li>• 6 functions / 9 finishes</li> <li>• 4 lever designs</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• Rim, SV</li> <li>• 7 functions / 4 lever designs</li> <li>• 3 finishes</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• CV = 1490 / Rim = 1590</li> <li>• 4 functions / 10 finishes</li> <li>• 3 length options</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• CV = 1690 / Rim = 1790</li> <li>• 4 functions / 7 finishes</li> <li>• 4 length options</li> <li>• 10-year warranty</li> </ul>

	Crossbars			Recessed/concealed devices
				
	<b>XX</b>	<b>1990</b>	<b>2090</b>	<b>2390</b>
<b>Selling features</b>	<ul style="list-style-type: none"> <li>• Classic traditional design</li> <li>• Dependable and attractive</li> <li>• Economic crossbar option</li> <li>• Panic and fire rated options</li> </ul>	<ul style="list-style-type: none"> <li>• Classic industry look</li> <li>• Balanced appearance, dependable performance and economical pricing</li> <li>• Hardened steel latches</li> <li>• Adjustable strike to ensure safety, security and smooth operation</li> </ul>	<ul style="list-style-type: none"> <li>• Classic looks in a rim device</li> <li>• Designed for high use and abuse</li> <li>• 1/2" inch steel latchbolt</li> <li>• Surface mounted strikes for full frame or blade type stops</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced projection recessed device</li> <li>• Tough, reliable performance</li> <li>• Easy rod adjustment simplifies installation</li> <li>• Smooth, reliable operation</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Light/moderate traffic</li> <li>• Commercial, multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Light traffic</li> <li>• Commercial, Multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Light traffic</li> <li>• Commercial, multi-family, office, retail</li> <li>• Interior, exterior, retro-fit</li> </ul>	<ul style="list-style-type: none"> <li>• Moderate/frequent traffic</li> <li>• Healthcare, assisted living, education</li> <li>• Interior, new construction</li> </ul>
<b>Device options</b>	<ul style="list-style-type: none"> <li>• Rim, SV, CV, M</li> <li>• 13 functions / 8 finishes</li> <li>• 5 lever options</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• CV</li> <li>• 4 functions / 10 finishes</li> <li>• 2 length options</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• Rim</li> <li>• 4 functions / 4 finishes</li> <li>• 2 length options</li> <li>• 10-year warranty</li> </ul>	<ul style="list-style-type: none"> <li>• CV</li> <li>• 3 functions / 4 finishes</li> <li>• 2 length options</li> <li>• 10-year warranty</li> </ul>

# 2390 Series

## Mid-panel concealed vertical rod device

The best available recessed concealed device for stile and rail doors

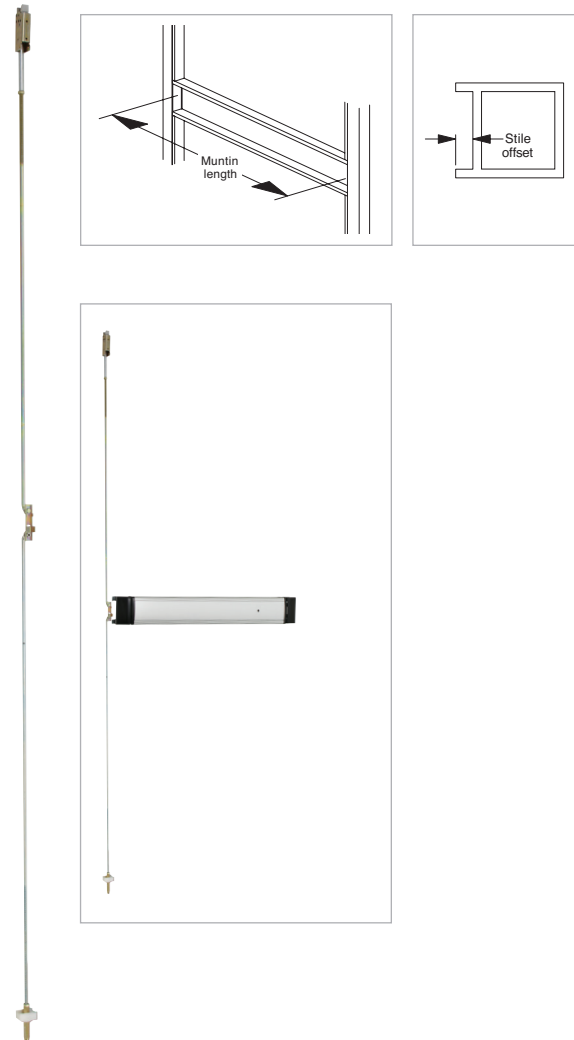
The 2390 is a grade 1 exit device designed for high use and abuse, and delivers a variety of performance features that ensure smooth, easy and reliable operation. Easier rod adjustment simplifies installation.

Stile offset	Long device (24" touchbar) minimum muntin length (width between stiles)	Short device (21" touchbar) minimum muntin length (width between stiles)
.115"	27.505"	24.505"
.125"	27.495"	24.495"
.142"	27.478"	24.478"
.156"	27.464"	24.464"
.187"	27.433"	24.433"



### Specifications

Hand:	Field reversible, non handed.
Functions:	See trim selection chart on this page.
Finishes:	US28, DC13, DC35, champagne.
Strikes:	PB48 top.
Latches:	Standard top - SU latch Standard bottom - hex bottom bolt Optional top - ES - electric strike, device would need to 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.
Cylinder:	Mortise 1" up to 1 3/8", key entry (NL) or hold back (HB) available (field selectable).
Sizes:	21", 24".
Doors:	1 3/4" thick metal doors.
Projections:	1 5/8" with pushbar extended. Pushbar height is 3 1/4".
Stile:	1 3/4" minimum.
Electric functions:	EL - electric latch retraction, (EL requires 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:	Sloped metal end caps.
ANSI:	Certified ANSI A156.3 grade 1 standards.
Vertical rods:	7' standard, extension rods available up to 10'. Rod extension kits available. Rod length requirement varies with device mounting height.



Model	Trim package	Type	Function
2390	No outside trim	6	01
2392	Mortise cylinder assembly with cylinder	6	03
2395	Mortise cylinder assembly with less cylinder	6	03/04
2398	Dummy	6	

# Accessories

## Strikes

Concealed vertical rod



### **PB48**

Top strike for 1990/1490/1690/2390 devices. Packed with three 0.050" thick shims.

1<sup>1</sup>/<sub>16</sub>" square

7<sup>1</sup>/<sub>16</sub>" projection

# Door application

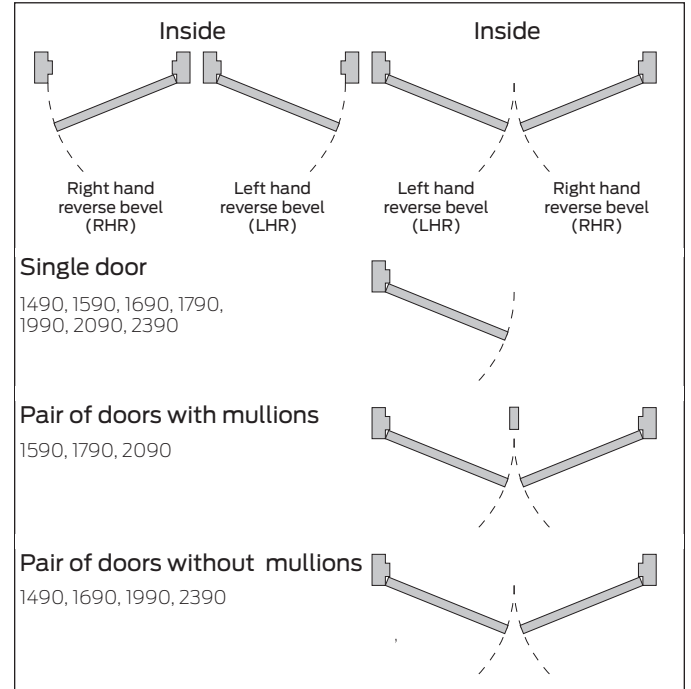
## Door thickness

All devices and components supplied for 1 3/4" doors standard. Specify door thickness if other than 1 3/4".

Number	BHMA/ANSI function
01	Exit only, no trim.
02	Entrance by trim when actuating bar is locked down.
03	Entrance by trim when latchbolt is retracted by key; key removable only when locked.
04	Entrance by trim when latchbolt is retracted by key or set in a retracted position by key.

U.S. standard	BHMA	Description
US28	628	Anodized aluminum – clear
DC13	710	Anodized aluminium – dark bronze
DC35	711	Anodized aluminum – black

## Door application chart



## How to order 2390

		EL	2392	EO	42"	DC13	RL	FILLER PLATE	RHR	37" CL
<b>RX</b>	Request to exit switch									
<b>EL</b>	Electric latch retraction									
<b>2390</b>	Exit only									
<b>2392</b>	Cylinder assembly with mortise cylinder									
<b>2395</b>	Cylinder assembly less mortise cylinder									
<b>2398</b>	Dummy									
<b>EO</b>	Exit only									
<b>DT</b>	Dummy trim									
<b>NL-HBOP</b>	Cylinder assembly - optional pull									
<b>42"</b>	42" (device size is 21")									
<b>48"</b>	48" (device size is 24")									
<b>US28</b>										
<b>DC13</b>										
<b>DC35</b>										
<b>Champagne</b>										
<b>HEX</b>	Standard bottom latch									
<b>RL</b>	Optional rod bottom latch									
<b>PL</b>	Optional pullman bottom latch									
<b>ES</b>	Optional top latch for use with electric strike									
<b>LBR</b>	Less bottom rods									
<b>Channel</b>	Channel									
<b>Filler plate</b>	Filler plate									
<b>CYL</b>	Cylinder									
<b>RHR</b>	RHR									
<b>LHR</b>	LHR									
<b>Centerline</b>	(Must specify)									