Falcon 2016 Product Catalog



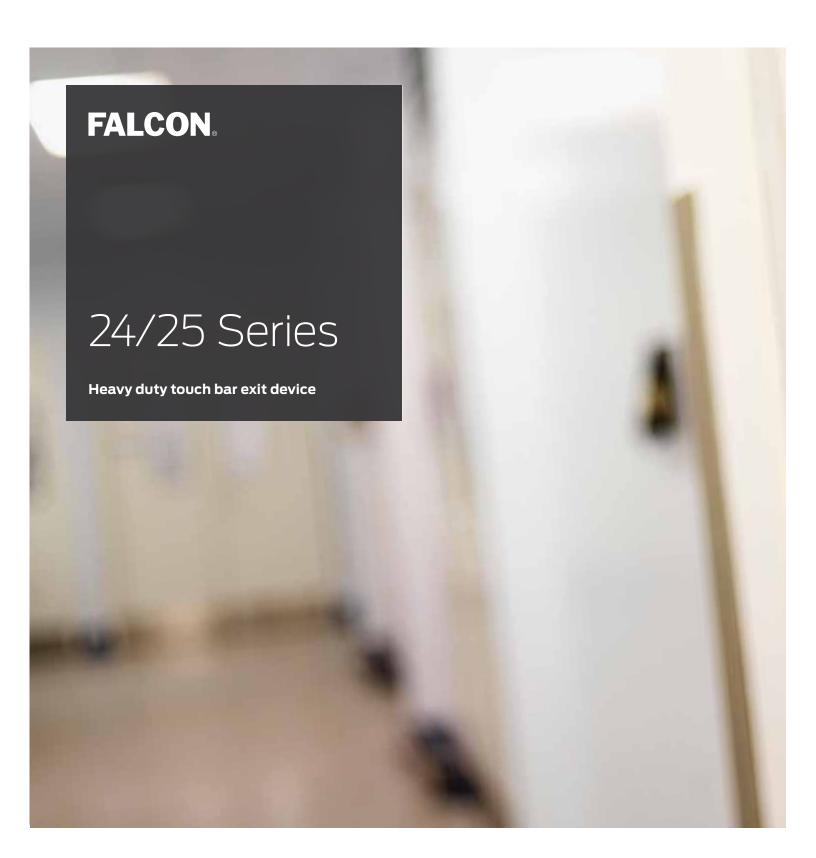


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The Falcon difference

Safety, security and uncompromising value

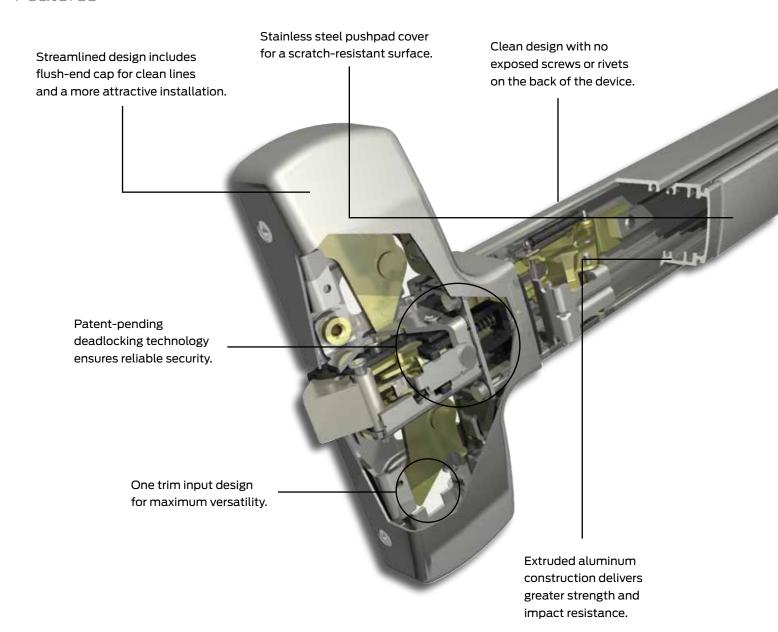
At Falcon, we know that every product you sell not only has to meet local building codes, but also your expectations for performance and quality. We take your expectations seriously, and that's why we build our touchbars to deliver durability, convenience and unmatched value. After all, we've built our 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 locks a powerful choice no matter what your project.

Introducing the Falcon 24 and 25 Series

The perfectly simple, tougher than nails, costs less than you think, fits anywhere exit device.

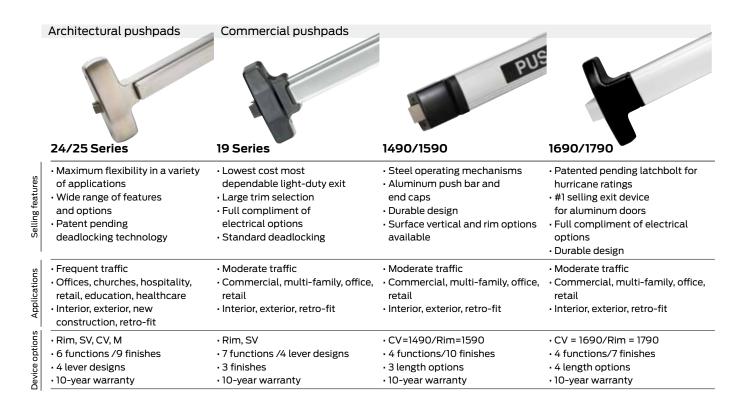
Offices, banks, assisted living facilities, retail stores and other commercial buildings have constant traffic, so door hardware must be able to take continual use and abuse. The new Falcon 24 and 25 Series exit devices fill the bill with some of the toughest, most reliable performance in the business. A host of features makes this a smart solution, like a choice of an A or B label fire rating, electrified and panic options, and a full complement of trims. Sleek, streamlined styling and a choice of wide (25 Series) and narrow stile (24 Series) device applications means a smart solution for your building design, as well as its use. And since they're backed by one of the best names in the business, you can be sure you're getting the utmost value, reliability and durability.

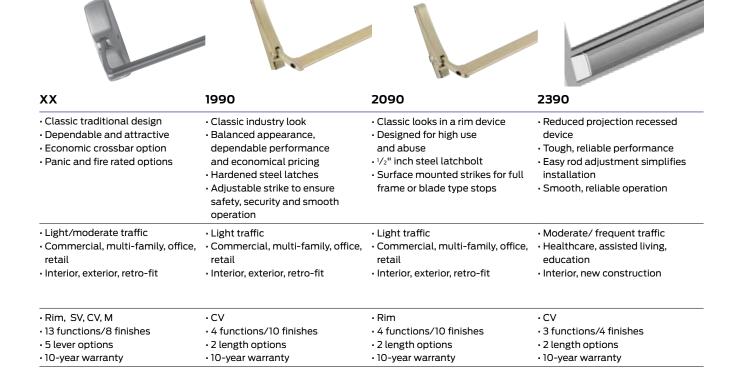
Features



Falcon exit devices

Crossbars





Recessed/concealed devices

25-R Series

Rim device

Panic exit hardware

The Falcon 25-R Series rim device meets the demanding requirements of high traffic installations with a single-point, rim type latch and a streamlined touch bar design. This device can also be electrified for maximum ease of use and accessibility.







Single door application

Device	Door size	Door strike	Door stile (in)	Min door opening width
25-R	3'	299	4"	2'7'/2"
		264	3 7/8"	2' 7 3/8"
		1439	31/4"	2' 6 3/4"
		1606	3 5/8"	2' 7 1/8"
25-R	4'	299	4"	3'11/2"
		264	3 7/8"	3'13/8"
		1439	3 1/4"	3' 3/4"
		1606	3 5/8"	3'11/8"

Double door application

299 x 2923		
	4 1/8"	2' 7 1/2"
299 x 4023	4 3/8"	2'7'/2"
264 x 2923	4"	2'73/8"
264 x 4023	4 1/4"	2'73/8"
1439 x 2923	3 7/8"	2'7'/4"
1439 x 4023	4 1/8"	2'71/4"
1606 x 2923	4 1/4"	2'71/8"
1606 x 4023	41/2"	2'71/8"
299 x 2923	4 1/8"	3'11/2"
299 x 4023	4 3/8"	3'11/2"
264 x 2923	4"	3'13/8"
264 x 4023	4 1/4"	3'13/8"
1439 x 2923	3 ⁷ /8"	3'1'/4"
1439 x 4023	4 1/8"	3'11/4"
1606 x 2923	4 1/4"	3'11/8"
1606 x 4023	41/2"	3'11/8"
1609	3 1/2"	2' 7 5/8" for
		$3^{1/2}$ " Min stile
1609	3 1/2"	3'15/8" for
		$3^{1/2}$ " Min stile
	264 x 4023 1439 x 2923 1439 x 4023 1606 x 2923 1606 x 4023 299 x 2923 299 x 4023 264 x 2923 264 x 4023 1439 x 2923 1639 x 4023 1606 x 4023 1606 x 4023	264 x 4023

Hand:	Non-handed
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 17 for finishes).
Strikes:	299 strike standard. See page 15 for additional info.
Latchbolt:	Stainless steel, ³ / ₄ " throw.
Deadlocking latchbolt:	Standard.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Uses 1 $^1\!/_8$ " long mortise cylinder with standard cam.
Stock sizes:	See chart to left. Cut to size in the field.
Doors:	$1^3/4$ " thick, wood or metal. Specify thickness if other than $1^3/4$ ".
Projections:	2 ³ / ₄ " maximum, 2" dogged.
Mounting height:	40 1/4" from CL to finished floor.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 33-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws standard.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 8 - 425 (#IO-24) SNB. For devices with trim, specify 2 - 425 (#IO-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Center case & working parts:	Center case is heavy wrought and sintered metal parts.
Shim kits:	For glass lite applications; $1/4$ " thick, specify SK25-RM.
579 Stirke retrofit kit:	Consult factory.

F-25-R Series

Rim device

♦ Fire exit hardware

The Falcon F-25-R Series rim device combines sleek styling and durability with the protection of a fire-rated device. The F-25-R also features a single-point, rim type latch and can be electrified.







Single door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-25-R	3'	299-F	4"	2'71/2"
F-25-R	4'	299-F	4"	3'11/2"

Double door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-25-R	3'	499-F x F-4023	41/2"	2' 7 5/8"
F-25-R	4'	499-F x F-4023	41/2"	3'15/8"

Hand:	Non-handed
UL:	"A" label (3 hr.); 4'0" x 8'0"; 8'0" x 8'0" with F-4023 mullion. "B" label ($1\frac{1}{2}$ hr.); 8'0" x 8'0"; with KRF4023.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 17 for finishes).
Strikes:	299F strike standard. 499F standard for pairs with mullion.
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Standard.
Stock sizes:	See chart to left. Cut to size in the field.
Doors:	$1^{3}/4$ " thick, wood or metal. Specify thickness if other than $1^{3}/4$ ".
Projections:	2 ³/₄" maximum.
Mounting height:	40 1/4" from CL to finished floor.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 33-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws standard.
Sex bolts:	Required for use in EO applications when used with wood, composite or non-reinforced hollow metal doors. For EO device, specify 8 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Center case & working parts:	Center case is heavy wrought and sintered metal parts.
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.

25-V Series Vertical rod device

Panic exit hardware

High-traffic applications demand the added strength and protection that comes with a vertical rod device. The Falcon F-25-V Series delivers with a surface-applied design that includes standard top latch and deadlocking. The sleek touch bar design ensures an attractive installation.



Specifications	
Hand:	Field reversible.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 17 for finishes).
Strikes:	3788 top strike is surface applied. 2130 bottom strike is mortised into floor.
Angle bracket	Use 4215 angle bracket in flush transom installations. Allows use of standard 3788 strike.
Latchbolt:	Top stainless steel $^3/_4$ " throw. Bottom bolt, $^1/_2$ " throw.
Deadlocking latchbolt:	Standard in top latch.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Uses $1^{1}/_{8}$ " long mortise cylinder with standard cam.
Stock sizes:	See chart to below.
Doors:	13/4" thick, wood or metal. Specify thickness if other than 13/4".
Projections:	2 ³/4" maximum, 2" dogged.
Stile:	See chart below.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local. (see pages 32-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws available, specify AMS.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 12 - 425 (#10-24) SNB. For devices with trim, specify 8 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Vertical rods:	Furnished to length based on a 40 $^{1}/_{4}$ " horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.
25-V-LBR:	Less bottom rod vertical device.

Device	Door size	Door strike	Min stile (in)	Min door opening width
25-V	3'	All	31/2"	2'71/8"
25-V	4'	All	3 1/2"	3'11/8"
25-V x 25-R	3'	1609	3 1/2"	2' 7 5/8" for 3 1/2" Min. Stile
25-V x 25-R	4'	1609	3 1/2"	2' 1 ⁵ / ₈ " for 3 ¹ / ₂ " Min. Stile

F-25-V Series Vertical rod device

***** Fire exit hardware

When your application requires strength and durability, plus fire rated performance, the F-25-V Series is the total package. This surface-applied vertical rod device includes a sleek touch bar design with top latch and deadlocking standard.



opecinications.	
Hand:	Field reversible.
UL:	"A" Label (3 hr) - 8' x 10' double egress; 90 min. same egress - 8' x 10' Wood door: 20 min. 8' x 10'; 90 min. 8' x 9'. Consult door manufacturer for maximum rating.
Finishes:	US3 (605); US4 (606); US10 (612); US10B (613); US26 (625); US26D (626); US32 (629); US32D (630), US28 (628), 313AN (see page 17 for finishes).
Strikes:	3788 top strike is surface applied. 2130 bottom strike is mortised into floor.
Latchbolt:	Top stainless steel 3/4" throw. Bottom bolt, 1/2" throw.
Deadlocking latchbolt:	Standard in top latch.
Lathch retention hold:	Standard with top latch.
Stock sizes:	See chart below.
Doors:	13/4" thick, wood or metal. Specify thickness if other than 13/4".
Projections:	2 ³/₄" maximum.
Stile :	See chart below.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details).
Fasteners:	All mounting screws are concealed. All machine screws (AMS) standard.
Sex bolts:	Required when used with wood, composite or non-reinforced hollow metal doors. For EO device, specify 12 - 425 (#10-24) SNB. For devices with trim, specify 8 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
F-25-V:	Latch Retention (LR) top latch and bottom square bolt. 3788 strike top, 2130 flush strike bottom.
F-25-V-LBR:	Less bottom rod vertical device. "A" Label (3 Hr) - 8' x 8'; 90 min. same egress - 8' x 8'.
Vertical rods:	Furnished to length based on a 40 1 / ₄ " horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-V.

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-25-V	3'	All	3 1/2"	2'71/8"
F-25-V	4'	All	3 1/2"	3'11/8"

25-M Series

Mortise device

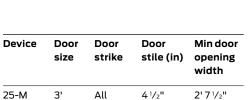
Panic exit hardware

25-M

4'

The Falcon 25-M Series is the only device that pairs a tough, reliable exit device with our strongest mortise lock. The result is maximum safety and security in a single-point, mortise latch type device that also has an attractive touch bar design.





41/2"

3' 2"

All



Hand:	Handed.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 17 for finishes).
Strikes:	1279 standard, F1280 and 1281 optional.
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Standard.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Uses 1 $^{1}/_{6}$ " mortise cylinder with standard cam.
Mounting height:	$40{}^{1}\!/_{4}$ " from CL to finished floor. For mortise lock prep per ANSI A115.1-1990.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details).
Stile:	4½" minimum.
Projection:	2 ³/₄" maximum, 2" dogged.
Stock Sizes:	See chart.
Doors:	$1^{3}/_{4}$ "thick, wood or metal. Specify thickness if other than $1^{3}/_{4}$ ".
Fasteners:	All mounting screws are concealed, sheet metal screws and machine screws standard.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 6 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Mortise lock:	Heavy wrought lock case with investment cast or sintered steel parts. Lock face is forged brass—fits standard cutout. Locks are designed to fit standard ANSI A115.1 preparation for 1 3/4" doors. Deadlocked when auxilary bolt is depressed 5/16".
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.

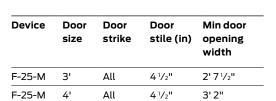
F-25-M Series

Mortise device

*****Fire exit hardware

The Falcon F-25-M Series delivers the safety of a fire-rated exit device with a choice of ratings. The F-25-M can be paired with a Falcon mortise lock, assuring a tough and secure lock for any opening requiring a high level of safety and security.







Hand:	Handed.	
UL:	"A" label (3 hr.); 4'0" x 10'0" single doors; 8'0" x 10'0" pair of doors (F-25-M x F-25-V or F-25-C). "B" label ($1^{-1/2}$ hr) with F1280 open back strike.	
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN. (See page 17 for finishes.)	
Strikes:	1279 standard. F1280 optional, B label (1 ½ hr.).	
Latchbolt:	Stainless steel, ³ / ₄ " throw.	
Deadlocking latchbolt:	Standard.	
Stock sizes	See chart.	
Doors:	$1^3/_4$ " thick, wood or metal. Specify thickness if other than $1^3/_4$ ".	
Projection:	2³/₄" maximum.	
Stile:	4 ½" minimum.	
Mounting height	40 1/4" from CL to finished floor. For mortise lock prep per ANSI A115.1-1990.	
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details).	
Fasteners:	All mounting screws are concealed. All machine screws (AMS) standard.	
Sex bolts:	Required when used with wood, composite or non-reinforced hollow metal doors. For EO device specify 6 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.	
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.	
Mortise lock:	Heavy wrought lock case with investment cast or sintered steel parts. Lock face is forged brass—fits standard cutout. Locks are designed to fit standard ANSI A115.1 preparation for 1 3/4" doors. Deadlocked when auxilary bolt is depressed 5/16".	
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.	

25-C Series Concealed vertical rod device

Panic exit hardware

Concealed vertical rods add strength to the door, while maintaining an attractive appearance. The Falcon 25-C Series concealed vertical rod device offers great value, clean styling and the security benefits of two-point latching. Falcon's patented center slide mechanism allows easy rod adjustment in the field.



-	
Hand:	Field reversible.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN. (see page 17 for finishes).
Strikes:	4188 mortised top, 2130 bottom standard, 4155 and 2126A bottom optional
Latchbolt:	Top stainless steel $^3/_4$ " throw. Bottom bolt $^1/_2$ " throw.
Deadlocking latchbolt:	Standard in top latch.
Latch retention hold:	Standard in top latch.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Uses $1^{1}/_{8}$ " long mortise cylinder dogging with standard cam.
Stock sizes:	See chart.
Doors:	$1^{3}/4^{"}$ thick wood or metal. Specify thickness if other than $1^{3}/4^{"}$.
Projection:	2 ³ / ₄ " maximum, 2" dogged.
Stile:	3 ½" minimum (6 ½" minimum on wood doors).
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local. (See pages 32-40 for details.)
Fasteners:	All mounting screws are concealed, sheet metal screws standard, machine screws available, specify AMS.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 6 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
25-C-LBR:	Less bottom rod concealed vertical device.
Vertical rods:	Furnished to length based on 40 $^{1}/_{4}$ " horizontal CL to finished floor and a 7'0" door. Variations from these
	standards must be specified when ordering.
Patented centerslide:	standards must be specified when ordering. For ease of adjustment.

Device	Door size	Door strike	Min stile (in)	Min door opening width
25-C	3'	All	3 1/2" (6 1/2" for wood doors)	2' 7 1/8"
25-C	41	All	$3\frac{1}{2}$ " (6 $\frac{1}{2}$ " for wood doors)	3'11/8"

F-25-C Series Concealed vertical rod device

♦Fire exit hardware

The Falcon F-25-C Series device lets you combine the safety of a fire-rated device with the clean aesthetics that come with a concealed vertical rod installation. In-field adjustment is simple thanks to our patented center slide mechanism. Two-point latching ensures optimal security at the door.



Hand:	Handed.
UL:	"A" label (3 hr.); 4'0" x 10'0" single doors; 8'0" x 10'0" pair of doors (F-25-M x F-25-V or F-25-C). "B" label (1- 1 / $_{2}$ hr) with F1280 open back strike.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 17 for finishes).
Strikes:	1279 standard. F1280 optional, B label (1 1/2 hr.).
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Standard.
Stock sizes	See chart.
Doors:	$1^{3}/_{4}$ " thick, wood or metal. Specify thickness if other than $1^{3}/_{4}$ ".
Projection:	2 ³ / ₄ " maximum.
Stile:	4 ½" minimum.
Mounting height	40 1/4" from CL to finished floor. For mortise lock prep per ANSI A115.1-1990.
Electric functions:	Can be interfaced with building security systems. Latch retraction, FSA/FSE trim, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local. (See pages 32-40 for details).
Fasteners:	All mounting screws are concealed. All machine screws (AMS) standard.
Sex bolts:	Required when used with wood, composite or non-reinforced hollow metal doors. For EO device specify 6 - 425 (#10-24) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Mortise lock:	Heavy wrought lock case with investment cast or sintered steel parts. Lock face is forged brass—fits standard cutout. Locks are designed to fit standard ANSI A115.1 preparation for 1 3/4" doors. Deadlocked when auxiliary bolt is depressed 5/16".
Shim kits:	For glass lite applications; 1/4" thick, specify SK25-RM.

Device	Door size	Door strike	Min stile (in)	Min door opening width
25-C	3'	All	3 1/2" (6 1/2" for wood doors)	2'71/8"
25-C	4'	All	3 1/2" (6 1/2" for wood doors)	3'11/8"

25 Series

Accessories and options



Removable mullion

- The 2923, F4023, 4023, KRF-4023 and KR-4023 steel mullions are for use with the 25-R devices on double door openings.
 - Advantage: Increased security and tighter closure. Minimizes door warpage and sag. Regulates the flow of in-and-out traffic
- Falcon removable mullions are easily removed and reinstalled for full width access
- Rim devices are used on both leaves, attaining a perfectly symmetrical opening
- The mullion assembly consists of a mullion, top and bottom mounting brackets and a screw pack
- The F4023 and KRF-4023 fire-rated mullions also include four stabilizer blocks as required for labeled installations
- Strikes are not furnished with the mullion. Please see page 15 for strike information
- Mullions may be cut on the job for doors under stock lengths
- KR Mullions require 1 1/4" mortise cylinder with standard A cam

Mullion features

- Mullion fittings ductile iron
- F4023, 4023, KRF-4023 and KR-4023 - 2" x 3" x height
- 2923 mullion 1 1/2" x 2 1/2" x height
- Prime coat only
- 7' or 8' door opening standard, other door opening as specified

Cylinders

- Cylinder supplied only when specified
- Cylinders keyed different

Sex bolts

- 325 (1/4"-20 thread)
- 425 (#10-24 thread)

Dummy touch bars

- Active and Inactive models only.
 Active model offered with RX or RX/KOR. Consult factory for details
- To order, specify 250DT X finish, or 250DT X finish X active touch bar

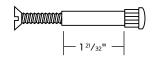
(F)25-R Double door application

Strike	Installed with mullion	Min stile	B*
299	2923	4 1/8"	3"
299	4023	4 3/8"	3 1/4"
499-F	F-4023	41/21	3 5/16"
264	2923	4"	2 7/8"
264	4023	41/4"	3 1/8"
1439	2923	3 7/8"	2 3/4"
1439	4023	41/8"	3"
1606	2923	41/4"	2 5/8"
1606	4023	41/2"	2 7/8"
1609	Surface 25-V	4"	2 3/8"

Cylinder reference

Device	Trim	Standard key cylinder	IC key cylinder
25 Series device	Cylinder dogging	985 - 1½ " Mortise cylinder	C987 - 1 ³ / ₆ " Mortise cylinder (Blocking ring plus sercurity collar must equal ¹ / ₄ " thick)
25 Series device Rim & surface vertical	Cylinder only (NL - OP)	951- Rim cylinder	953 - Rim cylinder
25 Series device Moortise	Cylinder only (NL - OP)	* 986 - 11/4" Mortise cylinder	** C987 - 1³/8" Mortise cylinder
25 Series trims	L, K, TP, NL	986 - 1 1/4" Mortise cylinder	C987 - 1 3/8"
264	4023 mullion	4 1/4"	31/8"

- *Cylinder must be spaced off of the door a minimum of 1/4" via a recessed blocking ring
- ** Cylinder must be spaced off of the door a minimum of $^3/_8$ " via a recessed blocking ring.



25 Series

Strikes and accessories

Strikes

For rim devices



264 2 ⁷/₈" x 1 ¹/₄" x ⁹/₁₆" (H x W x D) Panic device only.



299 7 ⁷/₈" x 1 ¹/₄" x ¹³/₁₆" (H x W x D) Panic device only.



299F 2⁷/₈" x 1¹/₄" x ¹³/₁₆" (H x W x D)



499F 3 5/8" x 1 1/2" x 16/16" (H x W x D)



1439 Blade stop 1 ³/₄" x 1 ⁷/₈" x ¹/₂" (H x W x D) Panic device only.



1606 2 ⁷/8" x 1 ³/8" x ³/8" (H x W x D) Panic device only.



3 1/4" x 1 1/16" x 3/8" (H x W x D) Requires coordinator. Panic device only.

For surface and concealed vertical rod devices



2130

(F)25-V and (F)25-C standard bottom strike for grouting into concrete or masonry floors.



3788

Furnished top of (F)25-V.



4155

Optional strike.
Panic device only.



4188

Top strike for (F)25-C.

For mortise lock devices



1279

Closed strike used on single doors and on fire exit hardware doors with coordinator.



F1280

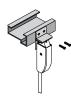
Open back strike used on pairs of $1^3/4$ " doors without astragal or coordinator. Can be used on stock hollow metal doors. F1280 "B" label $(1^1/2 \text{ hr.})$ stainless steel strike available.



1281

Open back strike for $1^3/4$ " doors. 8" x $1^3/4$ " face allow use in mortise lock cutout of stock hollow metal door.

Accessories



4215

Angle bracket for flush transom applications. Does not require elimination of latch retention feature. Accepts 3788 strike for 25-V device.

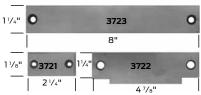
Surface vertical extension rods

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

Concealed extension rods

Extension rods are available in 12", 24" and 36". Both ends have pressed-in, threaded inserts.

Filler Plates



3721/3722/3723

Steel filler plates

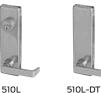
- 3721 Cylindrical lock front filler
- 3722 Strike filler set no. SC for 161 cutout
- 3723 Mortise lock front filler
- 3722 Strike filler set no. SM for 86 cutout

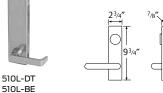
25 Series Trim designs

Functionality built into the trim, facilitating easy door preps, easy field retrofit and easy ordering.

Lever trims (510L)

510L-NL





Lever designs



All levers return to within 1/2" of door.

Escutcheon: $9\frac{3}{4}$ " (H) x $2\frac{3}{4}$ " (W) (specify handing) brass finish.

Protected by easily replaceable shear pin.

Lever is reversible, supplied RHR if not specified. For keyed functions, see page 14 for cylinder requirements.

Vandal - resistant lever trims (511L)



Provides resistance to rotation, making damage of trim due to attack from the outside less likely. Designed to operate normally after vandalism attempts without the need for maintenance personnel intervention.

- Heavy duty, vandal-resistant, ANSI AI56.3 grade 1 security trim.
- Lever deflects up to 22 ft-lb for a minimum of 10,000 vandal-resistant cycles.
- Vandal resistance is present in both lever rotation directions.
- After lever is fully deflected, lever stops rotating and a shear pin breaks at 70 ft-lb to prevent damage to unit.
- Available on 25 rim, vertical, mortise, and concealed devices.
- Retrofits all existing 25 trim without additional door prep.
- Works with all electric lock and unlock functions.
- Available in all finishes and designs including Avalon, Dane, Quantum and Sutro.

Pull trims (512)



512TP 512NL Escutcheon: 16" x 2 3/4" Grip: 6 1/4" C- C Projection: 211/16" For keyed functions, see page 14 for cylinder requirements.

Delta (717)



717DT

512TP-BE

Knob trims (513K)

Cylinder only (NL-OP) Key retracts latch bolt.

(see page 14).

Cylinder sold separately



513K-DT 513K 513K-BE 513K-NL

Round ball knob Escutcheon: 9 3/4" x 2 3/4" Projection: 4" Brass

For keved functions, see page 14 for cylinder requirements.

512DT

25 Series Trim chart & finish chart

Function

	Lock/ unlock	NL	DT	BE	FSA/ FSE
Lever (510)	510L	510L-DT	510-DT	510L-BE	510L-FSA 510L-FSE
Vandal-resistant lever (511)	511L	_	_	<u>_</u>	511L-FSA 511L-FSE
Pull trims (512)	512TP	512-NL	512DT	512TP-BE	512L-FSA 512L-FSE
Knob (513)	513K	513K-NL	513K-DT	513K-BE	513L-FSA 513L-FSE
Delta (717)	_	_	717DT	_	_

25 Series finishes

Color	US number	BHMA number
Brass, bright	US3	605
Brass, satin	US4	606
Bronze, satin	US10	612
Chromium, bright	US26	625
Chromium, satin	US26D	626
Anodized aluminum	US28	628
Stainless Steel, bright	US32	629
Stainless Steel, satin	US32D	630
Anodized duranodic	313AN	710

25 Series Types and functions

This page shows all 25 Series device and trim functions.

	Rim device ANSI type 1	Vertical rod device ANSI type 2	Mortise lock device ANSI type 3	Concealed vertical rod device ANSI type 8
Functions (ANSI)	(F)-25-R	(F)-25-V	(F)-25-M	(F)-25-C
EO (01) Exit only, no trim.	25-R-EO	25-V-EO	25-M-EO	25-C-EO
DT (02) Entrance by trim when actuating bar is locked down.	25-R-DT	25-V-DT	25-M-DT	25-C-DT
NL (03) Entrance by trim when latchbolt is retracted by key. Key removable only when locked.	25-R-NL	25-V-NL	25-M-NL	25-C-NL
TP (05) Entrance by thumbpiece. Key locks or unlocks thumbpiece.	25-R-TP	25-V-TP	25-M-TP	25-C-TP
L or K (08) Entrance by knob or lever. Key locks or unlocks knob.	25-R-L/K	25-V-L/K	25-M-L/K	25-C-L/K
L(NL) or K(NL) (09) Entrance by knob or lever only when released by key. Key removable only when locked.	25-R-L/K(NL)	25-V-L/K(NL)	25-M-L/K(NL)	25-C-L/K(NL)



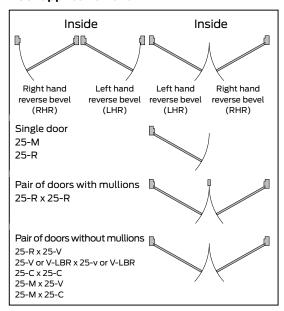
Label doors

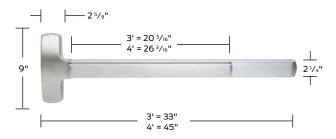
Models F-25-R, F-25-M, F-25-C and F-25-V are labeled for use as [®] Fire exit hardware.

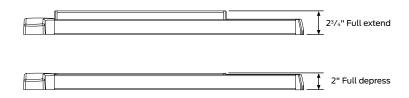
Door thickness

All devices and components supplied for 13/4" doors standard. Specify door thickness if other than 13/4".

Door application chart







Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

24-R Series

Rim device

Panic exit hardware

The Falcon 24-R Series narrow stile rim device allows for application versatility in high-traffic installations. Standard features include a single-point, rim type latch and a streamlined touch bar design. This device can also be electrified for maximum ease of use and accessibility.



Single door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
24-R	3'	299 264 1439 1606	3 1/2" 3 3/8" 2 1/4" 2 3/4"	2' 7 ¹ / ₂ " 2' 7 ³ / ₈ " 2' 6 ³ / ₄ " 2' 7 ¹ / ₈ "
24-R	4'	299 264 1439 1606	3 1/2" 3 3/8" 2 1/4" 2 3/4"	3' 1 1/2" 3' 1 3/8" 3' 3/4" 3' 1 1/8"

Double door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
24-R	3'	299 x 2923	3 1/2"	2'71/2"
		299 x 4023	4"	2'71/2"
		264 x 2923	3 3/8"	2'73/8"
		264 x 4023	3 5/8"	2'73/8"
		1439 x 2923	3 1/2"	2'71/8"
		1439 x 4023	3 3/4"	2'71/8"
		1606 x 2923	3 1/2"	2'71/8"
		1606 x 4023	3 3/4"	2'71/8"
		4396 x 4423	2 1/8"	2' 6 5/8"
24-R	4'	299 x 2923	3 1/2"	3'11/2"
		299 x 4023	4"	3'11/2"
		264 x 2923	3 3/8"	3'13/8"
		264 x 4023	3 5/8"	3'13/8"
		1439 x 2923	3 1/2"	3'11/8"
		1439 x 4023	3 3/4"	3'11/8"
		1606 x 2923	3 1/2"	3'11/8"
		1606 x 4023	3 3/4"	3'11/2"
		4396 x 4423	2 1/8"	3' 5/8"

Hand:	Non-handed
Functions:	24-EO (exit only) has all functions built in. Order trim with the device, or add it later (see trim selection chart on page 29).
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 29 for finishes).
Strikes:	299F strike standard. See page 27 for optional strikes.
Latchbolt:	Stainless steel, ³ / ₄ " throw.
Deadlocking latchbolt:	Optional. Specify "DL" prefix.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Stock sizes:	See chart to left.
Doors:	$1^{3}/_{4}$ " thick, wood or metal. Specify thickness if other than $1^{3}/_{4}$ ".
Projections:	2 ³ / ₄ " maximum, 2" dogged.
Mounting height:	40" from CL to finished floor.
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail- secure only). Subject to code requirements, state and local (see pages 32-40 for details).
Fasteners:	All mounting screws are concealed.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 4 - 425 (# 10 - 24) SNB and 2 - 325 ($1/4$ "- 20) SNB. For devices with trim, specify 4 - 425 (# 10 - 24) SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Center case & working parts:	Wrought steel with heavy wrought and sintered metal parts.
Shim kits:	For glass lite applications; 1/4" thick, specify SK24-R.

F-24-R Series

Rim device

♦ Fire exit hardware

The Falcon F-24-R Series rim device combines sleek styling and durability with the protection of a fire-rated device. A narrow stile design allows for installation versatility. The F-24-R also features a single-point, rim type latch and can be electrified.





Single door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-24-R	3'	299-F	3 1/2"	2'71/2"
F-24-R	4'	299-F	3 1/2"	3'11/2"

Double door application

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-24-R	3'	299-F x F-4023	4"	2'7'/2"
F-24-R	4'	299-F x F-4023	4"	3'11/2"

Hand:	Non-handed		
UL:	"B" label (1 ½ hr.); 4'0" x 8'0".		
Functions	F-24-REO (Exit only) has all functions built in. Order trim with the device, or add it later. (see trim selection chart on page 29)		
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN. (see page 29 for finishes)		
Strikes:	299F strike standard.		
Latchbolt:	Stainless steel, ³ / ₄ " throw.		
Deadlocking latchbolt:	Standard.		
Stock sizes:	See chart to left.		
Doors:	$1^{3}/_{4}$ " thick, wood or metal. Specify thickness if other than $1^{3}/_{4}$ ".		
Projections:	2 ³/4" maximum.		
Mounting height:	40" from CL to finished floor.		
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local. (see pages 32-40 for details)		
Fasteners:	All mounting screws are concealed. Furnished with all machine screws.		
Sex bolts:	Required when used with wood, composite or non-reinforced hollow metal doors. For EO device, specify 4 - 425 (#10-24) SNB and $2 - 325 (1/4"-20)$ SNB. For devices with trim, specify $4 - 425 (#10-24)$ SNB.		
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.		
Center case & working parts:	Investment-cast ferrous alloy with heavy wrought and sintered metal parts.		
Shim kits:	For glass lite applications; 1/4" thick, specify SK24-R.		

24-V Series Vertical rod device

Panic exit hardware

High-traffic applications demand the added strength and protection that comes with a vertical rod device. The Falcon 24-V Series delivers with a surface-applied design that includes standard top latch and deadlocking. The narrow stile and sleek touch bar design ensure an attractive installation.



Specifications	
Hand:	Field reversible.
Functions:	24-V-EO (exit only) has all functions built in. Order trim with the device, or add it later. (see trim selection chart on page 29) $$
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN. (see page 29 for finishes)
Strikes:	3788 top strike is surface applied, 2130 bottom strike is mortised into floor.
Angle Bracket:	Use 4215 angle bracket in flush transom installations. Allow use of standard 3788 strike.
Latchbolt:	Top stainless steel, top latch $^3/_4{}^{\shortparallel}$ throw, bottom bolt $^1/_2{}^{\shortparallel}$ throw.
Deadlocking latchbolt:	Standard with top latch.
Latch retention hold:	Standard with top latch. On top latch.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out. $ \\$
Stock sizes:	See chart below.
Doors:	$1^3/_4"$ thick, wood or metal. Specify thickness if other than $1^3/_4"$ thick.
Projections:	2 ³/₄" maximum, 2" dogged.
Stile:	1³/₄" minimum when used in pairs.
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details).
Fasteners:	All mounting screws are concealed, sheet metal screws standard, machine screws available, specify AMS.
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify $8-425\ (\#10-24)\ SNB\ and\ 2-325\ (\%-24)\ SNB$. For devices with trim, specify $8-425\ (\#10-24)\ SNB$.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
24-V:	Latch retention (LR) top latch and bottom square bolt. 3788 strike top, 2130 flush strike bottom.
24-V-LBR:	Less bottom rod vertical.
Vertical rods:	Furnished to length based on a 40" horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.
Shim kits:	For glass lite applications; $^{1}/_{4}$ " thick, specify SK24-V.

Device	Door size	Door strike	Min stile (in)	Min door opening width
24-V	3'	All	21/8"	2'71/4"
24-V	4'	All	2 1/8"	3'11/4"

F-24-V Series Vertical rod device

ð Fire exit hardware

When your application requires strength and durability, plus fire-rated performance, the F-24-V Series is the total package. This surface-applied vertical rod device includes a sleek touch bar design with top latch and deadlocking standard, as well as a narrow stile that fits where you need it to.



Hand:	Field reversible.		
UL:	"A" Label (3 hr) - double egress - $8' \times 10'$; 90 min. same egress - $8' \times 10'$. Wood door: 20 min. $8' \times 10'$; 90 min. $8' \times 9'$. Consult door manufacturer for maximum rating.		
Functions:	F-24-V-EO (exit only) has all functions built in. Order trim wit the device, or add it later (see trim selection chart on page 29		
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN. (see page 29 for finishes)		
Strikes:	3788 top strikes are surface applied, 2130 bottom strike is mortised into floor.		
Latchbolt:	Top stainless steel, top latch $^3/_4$ " throw, bottom bolt $^1/_2$ " throw.		
Latch retention hold:	Standard with top latch.		
Deadlocking latchbolt:	Standard with top latch.		
Stock sizes:	See chart below.		
Doors:	$1^3/_4$ " thick, wood or metal. Specify thickness if other than $1^3/_4$ " thick.		
Projections:	2 ³ / ₄ " maximum.		
Stile:	$2^{1}/_{8}$ " minimum when used in pairs.		
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local. (See pages 32-40 for details.)		
Fasteners:	All mounting screws are concealed. All machine (AMS) standard.		
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 8 - 425 (#10-24) SNB and 2 - 325 (1/4-20) SNB. For devices with trim, specify 8 - 425 (#10-24) SNB.		
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.		
F-24-V:	Latch retention (LR) top latch and bottom square bolt. 3788 strike top, 2130 flush strike bottom.		
F-24-V-LBR:	Less bottom rod vertical device. "A" Label (3 hr) - 8' x 8'; 90 min. same egress - 8' x 8'. Wood Door: 20 minute minimum - 8' x 8' openings. Consult door manufacturer for maximum rating.		
Vertical rods:	Furnished to length based on a 40" horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.		
Shim kits:	For glass lite applications; 1/4" thick, specify SK24-V.		

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-24-V	3'	All	2 1/8"	2' 7 1/4"
F-24-V	4'	All	2 1/8"	3'11/4"

24-C Series Concealed vertical rod device

Panic exit hardware

Concealed vertical rods add strength to the door, while maintaining an attractive appearance. The Falcon 24-C Series concealed vertical rod device offers great value, clean styling, a versatile narrow stile design and the security benefits of two-point latching. Falcon's patented center slide mechanism allows easy rod adjustment in the field.



-		
Hand:	Field reversible or specify handing.	
Functions:	See trim selection chart on page 29. Delta trim only.	
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 29 for finishes).	
Strikes:	4188 mortised top and 2130 flush strike bottom, optional bottom 2126A and 4155.	
Latchbolt:	Top stainless steel, top latch $^3/_4{}^{\shortparallel}$ throw. Bottom bolt $^1/_2{}^{\shortparallel}$ throw.	
Deadlocking latchbolt:	Standard with top latch.	
Latch retention hold:	Standard with top latch.	
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out. $ \\$	
Cylinder dogging:	Specify "CD" prefix. Uses 1 $1/8$ " long mortise cylinder dogging with standard cam.	
Stock sizes:	See chart below.	
Doors:	13/4" thick, wood or metal. Specify if other than 13/4" thick.	
Projections:	2 ³ / ₄ " maximum, 2" dogged.	
Stile:	$2{}^{1}\!/_{4}{}^{\shortparallel}$ minimum when used in pairs. (6" minimum on wood doors)	
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details)	
Fasteners:	All mounting screws are concealed, sheet metal screws standard, machine screws available, specify AMS.	
Sex bolts:	Recommended when device is used with hollow core wood, composite or light gauge hollow metal doors. For EO device, specify 2 - 425 (#10-24) SNB and 2 - 325 ($\frac{1}{4}$ -20) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.	
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.	
24-V-LBR:	Less bottom rod concealed vertical device.	
Vertical rods:	Furnished to length based on 40" horizontal CL to finished floor and a 7'0" door. Variations from these standards must be specified when ordering.	
Patented centerslide:	For ease of adjustment.	
Shim kits:	Consult factory	

Device	Door size	Door strike	Min stile (in)	Min door opening width
24-C	3'	All	2 1/4" (6" for wood doors)	2'73/8"
24-C	4'	All	$2^{1}/4$ " (6" for wood doors)	3'13/8"

F-24-C Series Concealed Vertical Rod Device

♦ Fire Exit Hardware

The Falcon F-24-C Series device lets you combine the safety of a fire-rated device with the clean aesthetics that come with a narrow stile and concealed vertical rod installation. In-field adjustment is simple thanks to our patented center slide mechanism. Two-point latching ensures optimal security at the door.



Hand:	Field reversible.		
UL:	"A" Label (3 hr) - double egress - $8' \times 10'$; 90 min. same egress - $8' \times 10'$.		
Functions:	See trim selection chart on page 29. Delta trim only.		
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (see page 29 for finishes).		
Strikes:	4188 mortised top, 2130 flush strike bottom.		
Latchbolt:	Top stainless steel, $^3/_4$ " throw. Bottom bolt $^1/_2$ " throw.		
Latch retention hold:	Standard with top latch.		
Deadlocking latchbolt:	Standard with top latch.		
Stock sizes:	See chart below.		
Doors:	$1^{3}/_{4}$ " thick metal. Specify if other than $1^{3}/_{4}$ " thick.		
Projections:	2 ³ / ₄ " maximum.		
Stile:	21/4" minimum when used in pairs. (6" minimum on wood doors)		
Electric functions:	Can be interfaced with building security systems. Latch retraction, security monitoring, delayed egress and exit alarm available (EL fail-secure only). Subject to code requirements, state and local (see pages 32-40 for details).		
Fasteners:	All mounting screws are concealed. All machine screws standard.		
Sex bolts:	Required when used with wood, composite or non-reinforced hollow metal doors. For EO device specify 2 - 425 (#10-24) SNB and 2 - 325 (1/4"-20) SNB. For devices with trim, specify 2 - 425 (#10-24) SNB.		
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.		
F-24-C-LBR:	Less bottom rod concealed vertical device. "A" Label (3 hr) - 8' x 8'; 90 min. same egress - 8' x 8'.		
Vertical rods:	Furnished to length based on 40" horizontal CL to finished floor and a 7'0" door. Variations from these standards must be specified when ordering.		
Patented centerslide:	For ease of adjustment.		
Shim kits:	Consult factory.		

Device	Door size	Door strike	Min stile (in)	Min door opening width
F-24-C	3'	All	2 1/4" (6" for wood doors)	2'73/8"
F-24-C	41	All	2 1/4" (6" for wood doors)	3'13/8"

24 Series

Accessories and options



Removable mullion

- The 2923, 4023, KR4023 and 4423 steel mullions are for use with the 24-R devices on double door openings. Advantage: Increased security and tighter closure. Minimizes door warpage and sag. Regulates the flow of in-and-out traffic
- Removable mullions are easily removed and reinstalled for full width access
- Rim devices are used on both leaves, attaining a perfectly symmetrical opening
- The mullion assembly consists of a mullion, top and bottom mounting brackets and a screw pack. Soffit adapters are available for use with either the 2923, 4423 or the 4023 mullion
- Strikes are not furnished with the mullion (except 4423). Please see page 27 for strike information
- Mullions may be cut on the job for doors under stock lengths

24-R Double door application

Strike	Installed with mullion	Min stile	B*
299	2923	3 1/2"	2 3/16"
299	4023	4"	2 7/16"
264	2923	3 3/8"	2 1/16"
264	4023	3 5/8"	2 5/16"
1439	2923	3 7/16"	17/8"
1439	4023	3 11/16"	2 1/8"
1606	2923	3 5/16"	17/8"
1606	4023	3 11/16"	2 1/8"
4396	4423	2 1/8"	11/8"

Mullion features

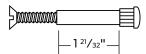
- Mullion fittings ductile iron
- 4023 2" x 3" x height
- KR4023 cylinder removable mullion 2" x 3" x height and uses 11/4" mortise cylinder not furnished
- 2923 mullion 1 1/2" x 2 1/2" x height
- 423 mullion T shape (1" on latch edge) supplied with 4396 adjustable strike
- Prime coat only
- 7' or 8' door opening standard, other door opening as specified

Cylinders - control trim

- Cylinder supplied only when specified.
- Cylinders available keyed alike.

Sex bolts

- 325 (1/4"-20 thread)
- 425 (#10-24 thread)



Cylinder reference

Device	Trim	Standard key cylinder	IC key cylinder
24 Series device	Cylinder dogging	985 - 11/8" Mortise cylinder	C987 - 1 3/8" Mortise cylinder (Blocking ring plus sercurity collar must equal 1/4" thick)
24 Series trims	L, K	951- Rim cylinder	953 - Rim cylinder
24 Series trims	NL - Rim & surface vertical 718C, 718NL	951- Rim cylinder	C953 - Rim cylinder
24 Series trims	Concealed 718C, 713NL	986 - 1 ¹ / ₄ " Mortise cylinder *4831 cam for trim prior to 2/28/12. B520-295 cam for trim after 2/28/12	C987 - 1 ³ / ₈ " mortise cylinder (bocking ring plus security collar must equal ¹ / ₄ ")

24 Series

Accessories and strikes

Strikes

For rim devices



264 2 ⁷/₈" x 1 ¹/₄" x ⁹/₁₆" (H x W x D) Panic device only.



299 $7^{7/8}$ " x $1^{1/4}$ " x $^{13}/_{16}$ " (H x W x D) Panic device only.





1606 2 ⁷/8" x 1 ³/8" x ³/8" (H x W x D) Panic device only.



1439 Blade stop 1 3/4" x 1 7/8" x 1/2" (H x W x D) Panic device only.

For surface and concealed vertical rod devices



2130 (F)24-V and (F)24-C standard bottom strike for grouting into concrete or masonry floors.



3788 Furnished top of (F)24-V.



4155Optional strike.
Panic device only.



4188Top strike for (F)24-C.

Accessories



4215

Angle bracket for flush transom applications. Does not require elimination of latch retention feature. Accepts 3788 strike for 24-V device.

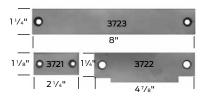
Surface vertical extension rods

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

Concealed extensionrods

Extension rods are available in 12", 24" and 36". Both ends have pressed-in, threaded inserts.

Filler plates



3721/3722/3723

Steel filler plates

3721 Cylindrical lock front filler

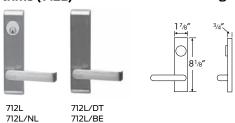
3722 Strike filler - set no. SC for 161 cutout

3723 Mortise lock front filler

3722 Strike filler - set no. SM for 86 cutout

24 Series Trim designs

Lever trims (712L)



Lever designs



All levers return to within 1/2" of door.

Escutcheon: $8^{1}/8^{11}$ (H) x $1^{7}/8^{11}$ (W) (specify handing) brass finish.

Protected by easily replaceable shear pin.

Lever is reversible, supplied RHR if not specified. For keyed functions, see page 26 for cylinder requirements.

Knob trim (711K)



711K 711-NL

Round ball knob Escutcheon: 8 1/8" x 1 7/8" Projection: 3 7/8" Brass For keyed functions, see page 26 for cylinder requirements.

Athena (715)



715DT

Grip overall: 9 1/8" Width: 1 11/16" Pull: 6 1/4" C x C Projection: 21/4"

Delta trims





718DT

1" Cylinder





718C



718NL



717DT



718TL





718TL-BE

Cylinder information

Key retracts latch bolt. Cylinder sold separately (see page 26).

Brass and/or plated finishes.

For cylinder information see page 26. When locking function is not required, specify trim by (BE) blank escutcheon.

Specify handing Escutcheon: 8 1/8" x 1 7/8" Projection: 2 1/4" All Delta pulls: $6 \frac{1}{4}$ C x C NL & DT: 14 1/16" x 2 1/4"

24 Series

Trim chart & finish chart

Function

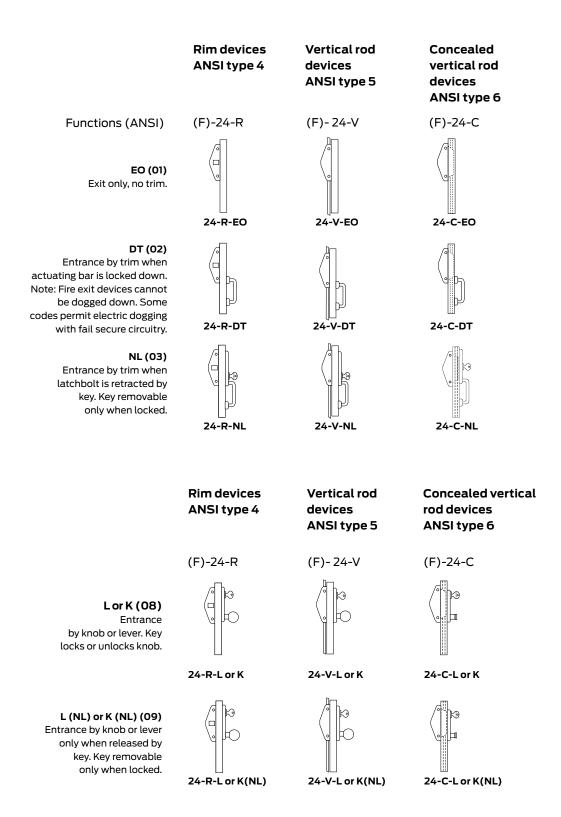
	Lock/ unlock	NL	DT	BE	FSA/ FSE
Lever ¹ (712)	712L	712L-NL	712L-DT	12L-BE	
Knob (711)	711K	711K-NL	_	711K_BE	
Delta (717)	_	_	717DT	_	
Delta (718)	_	718NL	718DT	_	718C
Athena (715)	_	_	715DT		
	·				

¹ Specify hand.

24 Series finishes

Color	US number	BHMA number
Brass, bright	US3	605
Brass, satin	US4	606
Bronze, satin	US10	612
Chromium, bright	US26	625
Chromium, satin	US26D	626
Anodized aluminum	US28	628
Stainless steel, bright	US32	629
Stainless steel, satin	US32D	630
Anodized duranodic	313AN	710

24 Series Types and functions





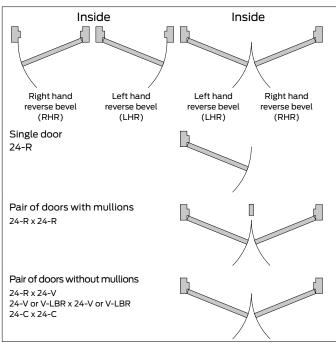
Label doors

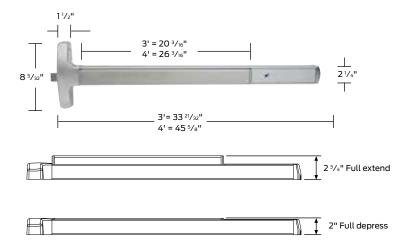
Falcon models F-24-R, F-24-C and F-24-V are labeled for use as \$\ddot\text{ fire exit hardware.}

Door thickness

All devices and components supplied for 13/4" - 3'0" x 7'0" doors standard. Specify door thickness if other than 13/4".

Door application chart





Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

Electric latch retraction

Electric latch retraction (EL) for all 24 and 25 Series devices

The Electric latch retraction (EL) feature provides control of latch retraction by guard or security system, allowing free entrance from outside or trim side of door. The EL system can be activated to hold the latch open momentarily or for extended peroids of time, and can be interfaced with autmatic doors, card readers, automatic fire alarm systems, etc.



The Electric latch retraction (EL) feature provides control of latch retraction by guard or security system, allowing free entrance from outside or trim side of door. The EL system can be activated to hold the latch open momentarily or for extended peroids of time, and can be interfaced with autmatic doors, card readers, automatic fire alarm systems, etc.

EL system requirements:

- The EL application requires the use of the PS914-2RS power supply (see page 32 for more details).
- Power transfer hinge or electric power transfer required.
 Solenoid rated for continuous-duty operation with PS914-2RS (required power supply).

Functional options:

Electric latch retraction can be used in conjunction with FSA / FSE (Fail safe/Fail secure). Security monitoring (DM, LM, RX, LK) features; EL feature is available on all 24/25 series standard device specifications.

Common application options:

Battery backup: For applications that require power even when power is lost the battery backup option will assure power to your EL device. For proper functionality use the PS914 power supply with the -BB option. Use suffix "-BB" for factory installed; exmaple PS914-BB (see page 32 for more details).

Fire alarm: This function coordinates the electric latch retraction of one or two devices with the fire alarm. For proper functionality use the PS914 power supply with the -FA option. Use suffix "-FA" for factory installed; example PS914-FA (see page 32 for more details).

Auto operator: This function coordinates the electric latch retraction of one or two devices, and signals an auto-operator to open a door. Signaling the auto operator can be performed in two methods: by receiving a signal from a monitoring switch that the lock is unlatched, or upon expiration of a time delay triggered by an "AE" type input switch. For proper functionality use the PS914 power supply with the -4RL option. Use suffix "-4RL" for factory installed; exmaple PS914-4RL (see page 32 for more details).

Time delay: A four zone controller with time delay provides four inputs and four outputs with the time delay. Time delay is field selectable from 0 to 75 seconds, in intervals of 5 seconds. For proper functionality use the PS914 power supply with the -4RL option. Use suffix "-4RL" for factory installed; exmaple PS914-4RL (see page 32 for more details).

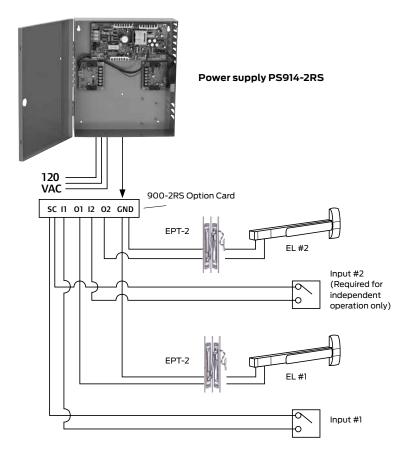
How to order:

To order the EL feature add "EL" prefix to device designation. (example: EL-25-R-EO)

ELectric latch retraction

Application and wiring / power transer hinge

Application and wiring - Electric latch retraction (EL)



Device	Door size	Door strike	Min stile (in)	Min door opening width
EL-25-R	3'	299	4"	2' 9 3/4"
		264	3 7/8"	2' 9 5/8"
		1439	3 1/4"	2' 9"
		1606	3 5/8"	2' 9 3/8"
EL-25-R	4'	299	4"	3' 3 3/4"
		264	3 7/8"	3'35/8"
		1439	3 3/4"	3' 1/2"
		1606	3 5/8"	3' 3 3/8"
EL-24-R	3'	299	3 1/2"	2' 9 3/4"
		264	3 3/8"	2' 9 5/8"
		1439	2 1/4"	2' 9"
		1606	2 3/4"	2' 9 3/8"
EL-24-R	4'	299	3 1/2"	3' 3 3/4"
		264	3 3/8"	3'35/8"
		1439	2 3/4"	3' 3 3/8"
		1606	2 3/4"	3' 3 3/8"
EL-25-V	3'	All	3 1/2"	
EL-25-V	4'	All	3 1/2"	
EL-24-V	3'	All	2 1/8"	
EL-24-V	4'	All	2 1/8"	
EL-25-C	3'	All	3 1/2"	
EL-25-C	4'	All	3 1/2"	
EL-24-C	3'	All	2 1/4"	
EL-24-C	4'	All	2 1/4"	
EL-25-M	3'	All	4 1/2"	
EL-25-M	4'	All	4 1/2"	

Power transfer hinge - electric latch retraction (EL)

An EPT provides a wiring path from the door to the frame. To run power from your power supply to your Falcon 24 or 25 EL device, an EPT can be utilized. Door and frame must be factory prepped.

Options

EPT-2: Used for two 18AWG wires with a max rating of 24VDC, 5A or 120 VAC NEC class 3.

EPT can be used for:	EPT cannot be used for:
Door thickness - 1 3/4" minimum	11/2" offset pivots
Note: The following specifications only apply to a 1 ³ / ₄ " thick door	Larger than 6" butt hinges
0-130 degree opening with up to 5 1/4" butt hinges	Pocket Pivots
0-130 degree opening with up to 5 1/4" butt hinges	Swing Clear Hinges
0-130 degree opening with up to 5 1/4" butt hinges	Center Hung Doors (center pivot)
0-130 degree opening with up to 5 1/4" butt hinges	Balanced Door

Delayed egress system components For all 24 and 25 Series

The delayed egress system provides control for limited egress and high security areas which require accident hazard or fire exit hardware.

Delayed egress function

When the delayed egress system is armed, the mag lock(s) will remain secure against attempted override pressure and severe impacts. Ingress requires an operational trim, along with access control input (i.e. card reader, key switch, keypad). The system is required to be tied into local fire alarm system.







A complete delayed egress system requires the following components:

- DE5101 is used in delayed exit application and is ideal for controlled areas.
- Key switch operator
- Arm, disarm, reset and bypass the delayed egress system by the mortise cylinder on the dialogue box. (1-1/4" mortise cylinder sold separately.)
- LED status indicator
- Red LED indicates arm. Disarm and alarm status.
- Alarm horn
- Depression of the Falcon 24 or 25 RX device touchpad initiates a local alarm of 100 dB when armed.

Falcon 25 Series device with RX switch **PS902 Power supply**

PS902 - The series PS902 power supply is the recommended power supply for use with the delayed egress system. The series PS902 power supply is designed for electric locking or monitoring on single or double door applications. The output power is field selectable for either 24 VDC@1 ampere or 12 VDC@2 ampere. Standard input 120 VAC@0.6 ampere and 240 VAC@3.0 ampere available. The terminal block will accept up to 14 gauge stranded wire (see page 32 for more information).

PS914 Power supply

PS914 - The series PS914 power supply can be safely used with the delayed egress system (see page 32 for more information).

Power transfer hinge or electric power transfer - See page 41 for more information.

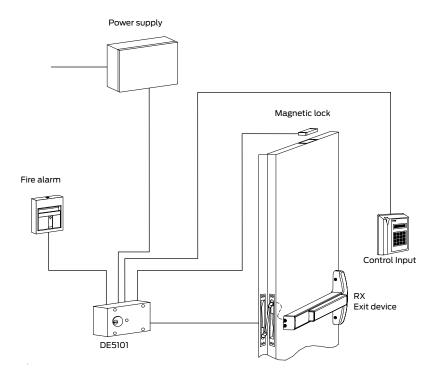
Magnetic locks - Schlage electronics M420, M450 or M490 maintains UL listing.

How to order:

All components above are sold separately. To order, specify each component to complete a delayed egress system for your application.

Application and wiring Popular delayed egress diagram

Device	Door size	Door strike	Min stile (in)	Min door opening width
25-R	3'	299	4"	2' 7 3/4"
		264	3 7/8"	2'73/8"
		1439	3 1/4"	2' 6 3/4"
		1606	3 5/8"	2' 7 1/8"
25-R	4'	299	4"	3'11/2"
		264	3 7/8"	3'13/8"
		1439	3 3/4"	3'11/4"
		1606	3 5/8"	3'11/8"
24-R	3'	299	3 1/2"	2' 7 1/2"
		264	3 3/8"	2'73/8"
		1439	2 1/4"	2' 6 3/4"
		1606	2 3/4"	2'71/8"
24-R	4'	299	3 1/2"	3'11/2"
		264	3 3/8"	3'13/8"
		1439	2 3/4"	3'11/8"
		1606	2 3/4"	3'11/8"
25-C	3'	All	3 1/2"	2'71/8"
25-C	4'	All	3 1/2"	3'11/8"
25-C	3'	All	2 1/4"	2' 7 3/8"
25-C	4'	All	2 1/4"	3'13/8"
25-M	3'	All	4 1/2"	2' 7 1/2"
25-M	4'	All	4 1/2"	3' 2"



Electric lock/ unlock trim

Electric lock/unlock trim (FSA/FSE) for 25 Series

The electric lock/unlock (FSA/FSE) feature allows the controlling of trim while still maintaining free egress at all times. The lock/unlock command can be controlled by a security system, fire alarm system, key switch, card reader, push button or touchpad.

FSA (Fail safe—unlocks when power is interrupted) can be used in areas requiring doors to be unlocked due to fire, power failure or emergency situations. (Examples: stairwells, hospitals, fire exits, etc.)

FSE (Fail secure—locks when power is interrupted) can be used in areas requiring doors to be locked for security reasons and only unlocked when energized by authorized personnel. (examples: banks, inner-office, etc.) With either feature, authorized personnel can gain access utilizing key by overriding or bypassing electric locking function.



Wire chart

Length of wire run (ft.)	24VDC 0.4 AMPS
0-500	18AWG
501-700	16AWG



Specifications

- Solenoid rated for continuous duty at 24V DC 0.4 amps.
- UL listed devices.
- Device channel is used as conduit on 25 Series devices.
- Power transfer (EPT-2) hinge 2-wire minimum rated 1/2 Amp.
- See page 35 for more information

How to order

To order FSA/FSE feature, add FSA or FSE prefix to device designation. (Example: FSA 25-R-L) $\,$

Note:

- 1. FSA/FSE can be used on all devices.
- 2. The FSA/FSE feature can be used in conjunction with EL (Electric latch retraction), EA (exit alarm) and security monitoring (DM, LM, RX).

Minimum power supply- PS902

- The series 902 power supply is the recommended power supply for use with an FSA or FSE trim. The series 902 power supply is also designed for electric locking or monitoring of single or double door applications.
- See page 32 for more information

Exit alarm

Exit alarm (EA) - for all 24 and 25 Series devices

The Exit alarm (EA) feature provides a battery powered exit alarm to allow for a simple and effective means of monitoring the use of exits while still maintaining means of egress (for code requirements). When the touchbar is depressed the alarm will sound continuously, indicating that the exit has been engaged. The exit alarm can only be reset by way of a standard $1\frac{1}{4}$ " mortise cylinder with standard "A" cam ($\frac{5}{16}$ " wide x $\frac{3}{4}$ " long). The design of the unit will allow the single 9V battery to last for at least six months (on standby mode).



Minimum door width required for standard devices

Device	Door size	Door strike	Min stile (in)	Min door opening width
EA-25-R	3'	299	4"	2' 9 1/4"
		264	3 7/8"	2' 9 1/8"
		1439	3 1/4"	2' 8 3/8"
		1606	3 5/8"	2' 8 7/8"
EA-25-R	4'	299	4"	3' 3 1/4"
		264	3 7/8"	3'31/8"
		1439	3 1/4"	3'3"
		1606	3 5/8"	3' 2 7/8"
EA-24-R	3'	299	31/2"	2' 9 1/4"
		264	3 3/8"	2' 9 1/8"
		1439	21/4"	2' 8 3/8"
		1606	23/4"	2' 8 7/8"
EA-24-R	4'	299	31/2"	3' 3 1/4"
		264	3 3/8"	3'31/8"
		1439	23/4"	3'37/8"
		1606	23/4"	3' 3 7/8"
EA-25-V	3'	All	31/2"	2' 8 7/8"
EA-25-V	4'	All	3 1/2"	3' 2 ⁷ / ₈ "
EA-24-V	3'	All	2 1/8"	2' 8 ⁷ / ₈ "
EA-24-V	4'	All	21/8"	3' 2 ⁷ /8"
EA-25-C	3'	All	3 1/2"	2' 8 ⁷ / ₈ "
EA-25-C	4'	All	31/2"	3' 2 ⁷ /8"
EA-24-C	3'	All	21/4"	2' 9 1/8"
EA-24-C	4'	All	21/4"	3'31/8"
EA-25-M	3'	All	41/2"	2' 9 1/4"
EA-25-M	4'	All	41/2"	3'31/4"

Specifications

- Works with rim, mortise, concealed, surface vertical rod
- UL listed
- The EA feature can be used in conjunction with FSA/FSE (Fail safe/Fail secure) and security monitoring (DM, LM, RX) features.

Features and benefits

- 110 dB alarm
- 24 Volt hardwire option
- 9V Battery input
- External inhibit for card reader
- LED indication
 - Armed
 - Disarmed
 - Low battery
 - EAK retrofit kit avialable for your existing devices

How to order

To order EA feature add "EA" prefix to device designation. (example: EA-25-R-EO)

To order EAK (exit alarm kit) feature order "EAK" plus device length (3' or 4'), type of device (24 or 25 Series) and the finish of your existing device. (example: EAK-4', 24 Series, US10) (For retrofit application)

Minimum power supply - PS902

The series PS902 power supply is the recommended power supply for use with the exit alarm (EA) option. The series PS902 power supply is designed for electric locking or monitoring on single or double door applications (see page 32 for more information).

Device monitoring

Device monitoring for most 24 and all 25 Series devices*

All of the monitoring features available from Falcon provide total flexibility and will interface with any security system. All monitoring switches are dry contact type and are contained within the device, allowing for tamper-resistant operation. Security monitoring features allow monitoring of devices, latches, authorized egress and locking levers. A key override option is available. All of the security monitoring features can be used in any combination with any other Falcon feature. Consult factory for special applications.

*DM, *LM, RX Monitoring

- The DM (device monitor) feature monitors full latch projection. If the latchbolt is retracted by use of device, or someone tampers with the latchbolt, the switch is activated sending a signal to controlling areas. In devices with the deadlock feature, the deadlatch status is monitored.
- The LM (Latch monitor) feature monitors full latchbolt retraction. When the latchbolt is fully retracted a signal is sent indicating door (or device) opened status.
- The RX feature monitors the depression of the touch bar or crossbar. Activation of the switch indicates use of a door
 or that the door is in the dogged condition. This feature is especially useful when used to activate or shunt magnetic
 locking systems.
- *LM/DM not available on F-24-R.

How to order

To order any individual or combination of monitor feature(s) add the respective prefix(s) to device designation. (example: EL-RX-DM-25-V-L-DANE)

Key override option (KOR)

The KOR feature allows authorized personnel to override monitoring features on a door by use of a keyed $1^{1}/8^{\circ}$ mortise cylinder with $5/16^{\circ}$ wide $\times 3^{\circ}/4^{\circ}$ long standard cam (mortise cylinder not supplied).

Activating KOR feature allows any feature to be disabled for daytime use or when desired by key holder. This is a maintained contact switch. KOR is especially useful for turning on or off magnetic locking systems and electric dogging control (at the door).

This feature is not available with EA feature, cylinder/standard dogging.

To order KOR feature add KOR prefix to device designation. (example: KOR-DM-24-R-TP)

Note: Use of these features may require a power transfer hinge (supplied by others) or additional wires in the power transfer hinge needed for application when combined with other electrified features.

Power supply



The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Note: PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated*
 * Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900

Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Note: One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Applications:

The PS900 Series of power supplies works with many electrified devices including Falcon exit devices, electromagnetic locks, hardwired locks, electrified mechanical locks, electrified strikes and many other products.

Accessories:

The PS900 Series features seven option boards for use in a variety of applications. All PS900 Series power supplies option boards are UL 294 certified.

Option boards:

900-4R: 4 relay controlled output board to power multiple devices.

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock.

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection.

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency.

900-BB: Battery backup.

900-2RS: 2 relay EL panic device control board (PS914 only).

900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load.

Wire selection size/type

Run length	EL device w/EPT or door loop				
0-100 ft	14 gauge standard wire				
101-200 ft	12 gauge standard wire				
Run length	EL device w/electric hinge/pivot				
0-75 ft	14 gauge standard wire				
76-150 ft	12 gauge standard wire				
Wire selection	Switch wire size				
1200 ft max.	16 gauge				

Electrical options summary

Electrical options matrix - 25 Series

Option	Electric dogging	Electric latch retraction (EL)	Delayed egress	Electric lock /unlock trim (FSA/FSE)	Device monitor (DM)	Latch monitor (LM)	Authorized egress (RX)	Key override (KOR)	Exit alarm /hard wire (EA/ HWEA)
Electric latch retraction (EL)	X	_	٧	V	V	V	V	Х	Х
Delayed egress	V	V	_	٧	V	V	V	V	V
Electric lock/unlock trim (FSA/FSE)	V	V	V	-	V	V	V	V	V
Device monitor (DM)	V	V	V	V	_	V	V	V	V
Latch monitor (LM)	V	V	V	V	V	_	V	V	V
Request to exit (RX)	V	V	V	V	V	V	_	V	V
Key override (KOR)	Х	Х	V	V	V	V	V	_	Х
Exit a larm (EA)	Х	Х	V	V	V	٧	V	Х	_

Electrical options matrix - 24 Series

	retraction (EL)	egress	monitor (DM)	monitor (LM)	egress (RX)	override (KOR)	/hard wire (EA/ HWEA)
Х	_	V	V	V	V	Х	Х
V	V	_	V	V	V	V	V
V	V	V	_	V	V	V	V
٧	V	V	V	_	V	٧	V
V	V	V	V	V	_	٧	V
Х	Х	V	V	V	V	_	Х
Х	Х	V	V	V	V	Х	_
	V V V X	(EL) X — V V V V V V X X	V V V V V V V V V V V V V V V V X X	V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	V V V <td>X - V V V V V V - V V V V V - V V V V - V V V V V - X X V V V</td> <td>X - V V V V X V V - V V V V V V V - V V V V V V - V V V V V V - V X X V V V V -</td>	X - V V V V V V - V V V V V - V V V V - V V V V V - X X V V V	X - V V V V X V V - V V V V V V V - V V V V V V - V V V V V V - V X X V V V V -

^{*}Not available on F-24-R

v = works with

X = doesn't work

How to order

25 Series

							., .	D. A. A. I.						_
				-	EL F	25	V L-	DANE	US3	3'	LHR	LBR	SNE	ゴ
Prefixes														
CD	Cylinder doggi	ng												
RX	Touchbar requ	est to exit												
DM	Latchbolt and	device monitor	switch											
EA	Exit alarm													
KOR	Key bypass sw	ritch												
LD	Less dogging													
LM	Latchbolt stat	us switch												
EL	Electric latch r	etraction												
FSA		r unlock trim-fai	safe											
FSE		r unlock trim-fai												
Rating														
F	Fire exit hardw													
Blank	Panic exit hard	ıware												
Device series														
25 	Touch bar dev	ice, wide stile												
Device type	D:													
R	Rim		C-WDC		ealed vertical									
V	Surface vertica				l door (20 or 9	90 min)								
С	Concealed ver	tical rod	М	Morti	se									
Trim function	n (see trim pag	es for all functi	ons)											
EO	Exit only		K	Knob										
DT	Dummy trim		L	Lever	(Dane stand	ard)								
NL	Night latch		С		der prim plate									
NL-OP	Night latch op	tional pull	511-L	VR tri										
ТР	Thumbpiece													
Finish														
US3	US10	US26	US32		US28									
US4	US26D	US32D	313AN											
Door width		Door thickne	ss											
3' Standard	d default	13/4" Standaı	ď											
4'		2 1/4" Optiona	al											
Handing														
RHR	Right hand rev	erse												
LHR	Left hand reve	rse												
Less bottom	rod													
LBR	Less bottom ro	od												
Accessories														
CYL	Cylinder		SNB	Sex b										
SK	Shim kit		AMS	All m	achine screw	s (for verti	cal and con	cealed o	nly)					
Other miscel	llaneous door i	nformation												
HMD	Hollow metal	door	_	-	Door thickn	ess								
НМЕ	Hollow metal	frame	_	-	Door under	cut								
ΝD	Wood door		_	-	Door label									
WDF	Wood frame		_	_	Stile width									
ALD	Aluminum dod	or	_	_	Frame stop	height								
ALF	Aluminum fran		•	GL	Single door	_								
~=:		door construction		R	Pair of door		same dire	ction						
SCDC	عندور بالقااااكل		,,, P	17	1 411 01 4001	2 24411 ISH 19	o our ne un et	CUOII						
SCDC —		door or frame												
SCDC —	Specify other													
SCDC —														

24 Series

					24	\/ I	DANE	LICO	21	LLID	 CND
Prefixes				EL F	24 —	V I	L-DANE	US3	3'	LHR	 SNB
D	Cylinder dogg	ing									
RX	Touchbar requ	_									
)L	Deadlocking	Dest to exit									
DM	_	l device monitor sv	witch								
EA	Exit alarm	i device monitor sv	VILCII								
EA KOR		المال									
LD	Key bypass sv	VILCII									
	Less dogging										
LM EL	Latchbolt stat Electric latch										
Rating											
F	Fire exit hardy	vare									
Blank	Panic exit har										
Device serie: 24		rice, narrow stile									
Device type											
R	Rim		С	Concealed							
V	Surface vertic	al rod	C-WDC	Concealed	vertical rod						
				wood door	(20 or 90 mi	n)					
Trim functio	n (see trim pas	ges for all functio	ns)								
EO	Exit only	_	Κ	Knob							
DT	Dummy trim		Ë	Lever (Dane	e standard)						
NL	Night latch		_								
C	Cylinder trim l	ess null									
	Cyunuer trim t	.ess pull									
Finish	LICIO	ucac	LIC22	212 4 4 4							
US3	US10	US26	US32	313AN							
US4	US26D	US32D	US28								
Door width		Door thickness	5								
	d default	13/4" Standard									
4'		2 1/4" Optional									
Handing											
RHR	Right hand rev	verse									
LHR	Left hand reve										
Less bottom LBR	Less bottom r	od									
Accessories											
CYL	Cylinder		SNB	Sex bolts							
SK	Shim kit		AMS	All machine	screws (for	vertical a	and conce	aled only	y)		
	llaneous door										
HMD	Hollow metal		_	Door thickn							
HMF	Hollow metal	frame	_	Door under	cut						
	Wood door		_	Door label							
	Wood frame		_	Stile width							
WD		or	_	Frame stop	height						
WD WDF	Aluminum do			•	_						
WD WDF ALD	Aluminum do Aluminum fra	me	SGL	Single door							
WD WDF ALD ALF	Aluminum fra			Single door Pair of door		ame Dire	ction				
WD WDF ALD ALF SCDC	Aluminum fra Steel channel	door construction		_	s swinging s	ame Dire	ction				
WD WDF ALD ALF	Aluminum fra Steel channel Specify other	door constructior door or frame		_		ame Dire	ction				
WD WDF ALD ALF	Aluminum fra Steel channel	door constructior door or frame		_		ame Dire	ction				

^{*}Not available for F-24-R

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

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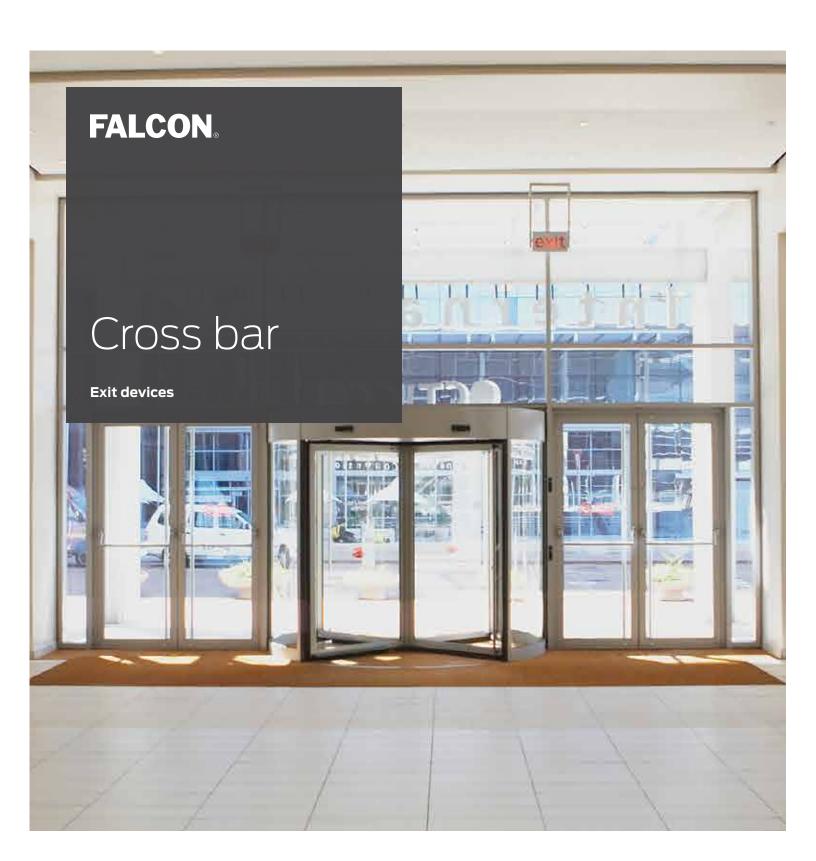


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The Falcon difference

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 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 a powerful choice no matter what your project.

XX-R Series

Non-handed rim device

Panic exit hardware

The Falcon XX-R Series rim device is produced to meet the demanding requirements of higher traffic installations. This device is a single point, rim type latch with the traditional crossbar design.









Strike

Dogging key







565 (optional)

571/571A (optional)

F490 Strike

Device	Length	Strike	Min. stile	Door opening width
XX-R-EO	4'	565 flush 565 F570/F490 579	3 1/4" 3 3/4" 4" 3 1/2"	2'6" up to 3'10" 2'6" up to 3'11" 2'6" up to 4'0" 2'6" up to 3'10"

Note: See page 15 for additional strike information. Approximate. See appropriate templates.



Hand:	Field reversible.
Functions:	All functions built into "EO" (exit only) device. For K or L trim, add 3755 K hub. See trim selection chart on page 18.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	F570 adjustable strike standard. 565, 571, 571A, 579, F490 strike optional.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Optional. Specify "DL" prefix.
Dogging feature:	1/2" turn hex dogging standard. No threaded parts to wear out.
Stock sizes:	4'0" standard.
Doors:	$1^3/4$ " thick, wood or metal. Specify thickness if other than $1^3/4$ ".
Projection:	5" maximum; 4" dogged.
Mounting height:	40 1/4" from CL to finished floor.
Fasteners:	All mounting screws are concealed. Sheet metal screws standard. Machine screws available, specify AMS.
Sex bolts:	When device is used with hollow core wood, composite or light gauge hollow metal doors, specify 8-#2729 SNB when through-bolted trim is used, specify 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 grade 1 standards.
Center case & working parts:	Center case is pressure die cast aluminum with heavy wrought, forged, investment cast and sintered metal parts.

F-XX-R Series

Non-handed rim device

• Fire exit hardware

The Falcon F-XX-R Series 🐧 fire rated rim device is produced with the demanding standards required for a quality fire rated device. The investment cast stainless steel chassis, stainless steel latchbolt and standard deadlocking feature provide years of reliable service in higher traffic installations. The F-XX-R device is a single point, rim type latch with the traditional crossbar design.





(standard)

Strike

Device	Length	Strike	Stile	Opening width
F-XX-R-EO	4'	F570/ F490	4"	2'6" up to 4'0"

Note: Approximate. See appropriate templates.



Hand:	Field reversible.
UL:	"A" label (3 hr.); 4'0" x 8'0"; 8'0" x 8'0". "B" label (1 $^{1}/_{2}$ hr.) 8'0" x 8'0" with KRF-4023 mullion.
Functions:	All built into "EO" (exit only) device. For K or L trim, add 3755 K hub. See trim selection chart on page 18.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	Stainless steel, F570 or F490.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced and crossbars available.
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Standard.
Stock sizes:	4'0" standard.
Doors:	$1^3/4$ " thick, wood or metal. Specify thickness if other than $1^3/4$ ".
Projection:	5" maximum.
Mounting height:	40 1/4" from CL to finished floor.
Fasteners:	All mounting screws are concealed. Furnished with all machine screws.
Sex Bolts:	When used with wood, composite or non-reinforced hollow metal, sex bolts must be specified, 10-#2729 SNB required. If through-bolted trim is used, 6-#2729 SNB required.
ANSI:	Certified ANSI A156.3 grade 1 standards.
Center Case & Working Parts:	Center case is investment cast stainless steel with heavy wrought, forged, investment cast and sintered metal parts.

XX-V Series

Reversible vertical rod device

Panic exit hardware

The Falcon XX-V Series vertical rod device is designed to meet the demanding requirements of higher traffic installations. The XX-V device is a surface-applied vertical rod type with the traditional crossbar design.



Hand:	Field reversible.				
Functions:	See trim selection chart page on 18.				
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).				
Strikes:	3788 strikes are surface applied. 2130 strike is mortised into floor.				
Angle bracket:	Use 4215 angle bracket in flush transom installations. Allows use of standard 3788 strike.				
Arms:	Forged brass, aluminum and investment cast stainless steel.				
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.				
Latchbolt:	Top stainless steel, $^3/_4$ " throw. Bottom stainless steel bolt, $^1/_2$ " throw.				
Deadlocking latchbolt:	Standard.				
Latch retention hold:	Standard with top latch.				
Dogging feature:	1/2" turn hex dogging standard. No threaded parts to wear out.				
Stock sizes:	4'0" standard.				
Doors:	$1^3/_4"$ thick, wood or metal. Specify thickness if other than $1^3/_4"$				
Projection:	5" maximum, 4" dogged.				
Stile:	$3^{1}/2^{11}$ minimum when used in pairs.				
Fasteners:	All mounting screws are concealed. Sheet metal screws standard. Machine screws available, specify AMS.				
Sex bolts:	When device is used with hollow core wood, composite or light gauge hollow metal doors, specify 8-#2729 SNB when through-bolted trim is used, specify 4-#2729 SNB.				
ANSI:	Certified ANSI A156.3 grade 1 standards.				
XX-V:	Latch retention latch top. 3788 strike top, bottom bolt 2130 flush strike bottom.				
XX-V-LBR:	Less bottom rod vertical device.				
Vertical rods:	Furnish to length based on a 40 $^{1}/_{4}$ " horizontal CL from finished floor, and a 7'0" door standard. Variations from these standards must be specified when ordering.				

F-XX-V Series

Reversible vertical rod device

• Fire exit hardware



Hand:	Field reversible.
UL:	"A" label (3 hr.); 8'0" x 10'0" double egress; 8'0" x 10'0" (F-XX-M x F-XX-V). "B" label (3 hr.); 8'0" x 10'0" double egress; 8'0" x 10'0"
Functions:	See trim selection chart on page 18.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	3788 strikes are surface applied, standard. 2130 strike is mortised into floor.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.
Latchbolt:	Top stainless steel, ³ / ₄ " throw. Bottom stainless steel bolt, ¹ / ₂ " throw.
Deadlocking latchbolt:	Standard.
Latch retention hold:	Standard with top latch.
Stock sizes:	4'0" standard.
Doors:	1 ³ / ₄ " thick, wood or metal. Specify thickness if other than 1 ³ / ₄ ".
Projection:	5" maximum.
Stile:	3 ½" minimum when used in pairs.
Fasteners:	All mounting screws are concealed. All machine screws standard.
Sex bolts:	When device is used with hollow core wood, composite or light gauge hollow metal doors, specify 8-#2729 SNB when through-bolted trim is used, specify 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 grade 1 standards.
F-XX-V:	Latch retention latch top. 3788 strike top, bottom bolt 2130 flush strike bottom.
F-XX-V-LBR:	Less bottom rod vertical device with side-of-door-mounted auxiliary fire latch (AFL), "A" label (3 hr.), 8'0" x 8'0" double egress. (20 min. fire rating on wood doors.)
Vertical rods:	Furnished to length based on a 40 1 /4" horizontal CL from finished floor, and a 7'0" door standard. Variations from these standards must be specified when ordering.

XX-M Series

Mortise device

Panic exit hardware

The Falcon XX-M Series mortise device offers great value with attractive styling and the security of a mortise lock. This device is a single-point, mortise latch type featuring the traditional crossbar design. The heart of the XX-M device is the Falcon mortise lock, which is known for its reliability and trouble-free operation.







F1280 Optional strike



Optional strike



Hand:	Handed, specify when ordering.
Functions:	Mortise lock determines function. When ordering device only, specify device with function less trim. See trim selection chart on page 18.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	1279 standard; F1280/1280A and 1281 optional.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze, and stainless steel. Reinforced crossbars available.
Latchbolt:	³/₄" throw. Molydag coated steel.
Deadlocking latchbolt:	Standard.
Dogging feature:	1/2" turn hex dogging standard. No threaded parts to wear out.
Stock sizes:	4'0" standard.
Doors:	13/4" thick, wood or metal. Specify thickness if other than 13/4".
Projection:	5" maximum, 4" dogged.
Stile:	4½" minimum.
Mounting height:	$40{}^{1}\!/_{4}$ " from CL to finished floor. For mortise lock prep per ANSI A115.1-1990.
Fasteners:	All mounting screws are concealed. Sheet metal screws standard for device, mortise lock is machine screws. All machine screws available, specify AMS.
Sex bolts:	When device is used with hollow core wood, composite or light gauge hollow metal, specify 8-#2729 SNB. When through-bolted trim is used, specify 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 grade 1 standards.
Mortise lock:	Heavy wrought lock case with investment cast or sintered stainless steel parts. Lock face is forged brass—fits standard cutout. Locks are designed to fit standard preparation ANSI Al15.1 for $1^3/_4$ " doors. Deadlocked when auxiliary bolt is depressed $5/_{16}$ ".

F-XX-M Series

Mortise device

• Fire exit hardware

The Falcon F-XX-M Series fire rated mortise device offers great value, good looks and security of a mortise lock. This fire rated device is a single-point, mortise-latch type, featuring the traditional crossbar design. The heart of the F-XX-M device is the Falcon mortise lock, which is known for its reliability and trouble-free operation.









Hand:	Handed, specify when ordering.
UL:	"A" label (3 hr.); 4'0" x 8'0"; 8'0" x 10'0" (F-XX-M x F-XX-V or F-XX-C). "B" label ($1^{1}/_{2}$ hr.) with F1280 open back strike.
Functions:	Mortise lock determines function. When ordering, specify device with function less trim. See trim selection chart on page 18.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	1279 standard. F1280 optional, "B" label (1 ½ hour).
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.
Latchbolt:	³/₄" throw. Molydag coated steel.
Deadlocking latchbolt:	Standard.
Stock sizes:	4'0" standard.
Doors:	$1^3/4$ " thick, wood or metal. Specify thickness if other than $1^3/4$ ".
Projection:	5" maximum.
Stile:	4 ½" minimum.
Mounting height:	$40{}^{1\!/}\!{}_{4}$ " from CL to finished floor. For mortise lock prep per ANSI A115.1-1990.
Fasteners:	All mounting screws are concealed. All machine screws standard.
Sex bolts:	When device is used with wood, composite or non-reinforced hollow metal doors, specify 8-#2729 SNB. When through-bolted trim is used, specify 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 Grade 1 standards.
Mortise lock:	Heavy wrought lock case with investment cast or sintered stainless steel parts. Lock face is forged brass—fits standard cutout. Locks are designed to fit standard preparation ANSI A115.1 for $1^3/_4$ " doors. Deadlocked when auxiliary bolt is depressed $5/_{16}$ ".

XX-C Series

Reversible concealed vertical rod device

Panic exit hardware

The Falcon XX-C Series concealed vertical rod device offers great value and design with the security of two-point latching and panic exit functionality. The XX-C device is a concealed vertical rod type with the traditional crossbar design.



•	
Hand:	Field reversible.
Functions:	See trim selection chart on page 18. Delta trim only.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	4188 mortised top; 2130 and 4155 flush strike bottom.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.
Latchbolt:	Top stainless steel, $\frac{3}{4}$ " throw. Bottom stainless steel bolt, $\frac{1}{2}$ " throw.
Deadlocking latchbolt:	Standard.
Latch retention hold:	Standard in top latch.
Dogging feature:	1/2" turn hex dogging standard. No threaded parts to wear out.
Stock sizes:	4'0" standard.
Doors:	13/4" thick, metal or wood. Specify thickness if other than 13/4".
Projection:	5" maximum, 4" dogged.
Stile:	3" minimum when used in pairs. (6" minimum on wood doors.)
Fasteners:	All mounting screws are concealed. Sheet metal screws standard. Machine screws available, specify AMS.
Sex bolts:	When non-reinforced hollow metal doors are used specify 8-#2729 SNB; with through-bolted trim, use 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 grade 1 standards.
XX-C-LBR:	Less bottom rod concealed vertical device with side-of-door mounted auxiliary fire latch (AFL). 20 min., $4'0" \times 8'0"$, $8'0" \times 8'0"$ (with steel channel door construction).
Vertical rods:	Furnished to length based on a 40% horizontal CL from finished floor, and a 7'0" door standard. Variations from these standards must be specified when ordering.
Patented centerslide:	For ease of adjustment.

F-XX-C Series

Reversible concealed vertical rod device

• Fire exit hardware

The Falcon F-XX-C Series if ire rated concealed vertical rod device offers dependable value, classic styling and aesthetics with the security of two-point latching. The F-XX-C device is a concealed vertical rod type with the traditional crossbar design.



Specifications	
Hand:	Field reversible.
UL:	"A" label (3 hr.); 4'0" x 10'0"; double egress 8'0" x 10'0"; (F-XX-M x F-XX-C).
Functions:	See trim selection chart on page 18. Delta trim only.
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630).
Strikes:	4188 mortised top; 2130 flush strike bottom.
Arms:	Forged brass, aluminum and investment cast stainless steel.
Crossbars:	1" O.D., brass, bronze and stainless steel. Reinforced crossbars available.
Latchbolt:	Top stainless steel, $^3/_4$ " throw. Bottom stainless steel bolt, $^1/_2$ " throw.
Deadlocking latchbolt:	Standard.
Latch retention hold:	Standard in top latch.
Stock sizes:	4'0" standard.
Doors:	$1^3/_4$ " thick metal or wood only. Specify thickness if other than $1^3/_4$ ". 6" minimum on wood doors
Projection:	5" maximum.
Stile:	3" minimum when used in pairs. 6" minimum on wood doors.
Fasteners:	All mounting screws are concealed. All machine screws standard.
Sex bolts:	When non-reinforced Hollow Metal doors are used, specify 8-#2729 SNB; with through-bolted trim, use 4-#2729 SNB.
ANSI:	Certified ANSI A156.3 grade 1 standards.
F-XX-C-LBR:	Less bottom rod concealed vertical device with side-of-door mounted auxiliary fire latch (AFL) "A" label (3 hr.), 8'0" x 8'0" double egress.
Vertical Rods:	Furnished to length based on a 40 1 /4" horizontal CL from finished floor, and a 7'0" door standard. Variations from these standards must be specified when ordering.
Patented Centerslide:	For ease of adjustment.

1990 Series

Concealed vertical rod crossbar device

Tough crossbar design.

The classic look of 1990 has a long history of reliable performance. It is equipped with hardened steel latches and adjustable strike to ensure safety, security and quiet operation.





Specifications

Hand:	Field reversible, non handed.
Functions:	See trim selection chart on this page.
Finishes:	P28, P13, P35, US26D.
Strikes:	PB48 top.
Latches:	Hex bottom latch (standard), RL - rod bottom latch, PL - Pullman bottom latch, ES - electric strike top latch (optional). Device needs to be less bottom rod (LBR).
Dogging feature:	Hex dogging standard.
Cylinder:	Rim, key entry (NL) or hold back (HB) available (field selectable)
Sizes:	Field adjustable width, 41" crossbar standard extra length cross bar available.
Doors:	1³/₄" thick metal doors.
Projections:	4 ³ / ₈ " extended, 2 ¹ / ₂ " depressed.
Stile:	1 ³ / ₄ " minimum.
Fasteners:	All mounting screws are concealed.
ANSI:	Certified ANSI A156.3 grade 1 standards.
UL:	UL305 listed.
Vertical rods:	7' standard, extension rod kits available up to 10'.

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)

Model	Trim Package	Type	Function
1990	No outside trim	6	01
1991	Pull only (9970)	6	02
1992	Cylinder only	6	03/04
1993	Pull and cylinder	6	02/03/04

2090 Series

Rim crossbar device

Classic looks in a rim exit device.

The 2090 provides balanced appearance, dependable performance and economical pricing, making it a popular choice where rim exit devices are required.



If cylinder is used, set pinion cam on back of active housing for hold-back (HB) or night latch (NL) operation.

cam

·Latch

Hold-back (HB)

Turning key one complete rotation retracts latchbolt. If key is removed in this position, latchbolt stays retracted. Returning key to original position before removing allows latchbolt to extend.

To set for hold-back: Turn pinion cam until latchbolt starts to retract, then turn pinion cam the other way as far as it will go. Leave pinion cam in this position.



Turning key as far as it will go retracts latchbolt. Key must be returned to original position to be removed, leaving the door locked.

To set for night latch: Turn pinion cam until latchbolt starts to retract. Leave pinion cam in this position.

Hand:	Specify RHR or LHR, not reversible.
Functions:	See trim selection chart on this page.
Finishes:	P28, P13, P35, US26D.
Strikes:	SD36 standard, see page 17 for other rim strikes available.
Latchbolt:	1/2" throw hardened steel.
Dogging feature:	Hex dogging standard.
Cylinder:	Rim, key entry (NL) or hold back (HB) available (field selectable).
Sizes:	Field adjustable width, 41" crossbar standard extra length crossbars available.
Doors:	13/4" thick metal or wood doors, specify if wood door.
Projections:	4 ³ / ₈ " extended, 2 ¹ / ₂ " depressed.
Stile:	1 ³/₄" minimum.
Fasteners:	All mounting screws are concealed.
UL:	UL305 listed.
Mullions:	Removable mullions are available for pairs of doors, see page 14.

Model	Trim package	Type	Function
2090	No outside trim	4	01
2091	Pull only (9970)	4	02
2092	Cylinder only	4	03/04
2093	Pull and cylinder	4	02/03/04

Accessories

Mullions



RM 70 Removable mullion

RM 70 for use with 2090 Series comes complete with adjustable mortised strikes and security clips. Compatible with doors 7' to 10' and for use with stiles as narrow as $1\,^3/_4$ ". Made of aluminum, they are available in anodized aluminum or bronze finishes. Mullion is $3\,^1/_2$ " deep, 1" wide on door side, and $1\,^5/_8$ " at the widest point.

Mullion strikes



STK70 Adjustable mortise strikes (pair). 2 ³/₈" tall 1⁷/₁₆" wide 1" thick



Removable mullion

- The 2923, (F)4023 and KR(F)-4023 steel mullions are for use with the XX-R devices on double door openings. Advantage: Increased security and tighter closure. Minimizes door warpage and sag. Regulates the flow of in-and-out traffic.
- Falcon removable mullions are easilyt removed and reinstalled for full width access.
- Rim devices are used on both leaves, attaining a perfectly symmetrical opening.
- The mullion assembly consists of a mullion, top and bottom mounting brackets and a screw pack. Soffit adapters are available for use with either the 2923 or the 4023 mullion. Please see Price Book for ordering information.
- The (F)4023 and KR(F)-4023 fire-rated mullion also includes four stabilizer blocks as required for labeled installations.
- Strikes are not furnished with the mullion. Please see page 15 for strike information.
- Mullions may be cut on the job for doors under stock lengths.
- KR Mullions require 1 1/8" mortise cylinders with standard "A" cam.

Mullion features

- Mullion fittings ductile iron.
- (F)4023, cylinder removable mullions KR(F)-4023 2" x 3" x height.
- 2923 mullion 1 1/2" x 2 1/2" x height.
- Prime coat only.
- 7' or 8' door opening standard, other door openings as specified.

Strikes

For (F) XX-R rim devices (center latching)



565

Adjustable surface mounted for use with blade or applied stops.



F570/F490

Adjustable strike.



571/571A

Used on inactive leaf for device on active leaf of pair of doors without removable mullion. 571 keeps 2 ⁷/16" backset. 571A is trimmer and projects less into opening.



579

Semi-surface strike which allows use of XX-R on narrower stile widths as low as 3 ½". Also used for low projection.

For all mortise lock devices (F) XX-M



1279

To ASA dimensions. Closed strike used on single doors and on fire exit hardware doors with coordinator.



F490

F1280

Open back strike used on pairs of 1 3/4" doors without astragal or coordinator. To basic ASA dimensions and can be used on stock hollow metal doors. Use 1280A for 2 1/4" doors. F-1280 B label (1 1/2 hr.) stainless steel strike available.



1281

Open back strike for 1 3/4" doors. 8" x 1 1/4" ears allow use in mortise lock cutout of stock hollow metal door.



4188

Top strike for (F)XX-C

For (F) XX surface vertical rod and concealed vertical rod devices



4215

Angle bracket for flush transom applications. Does not require elimination of latch retention feature.



3788

Standard top of (F) XX-V.



2126A

(F)XX-V optional bottom strike. (F)XX-C bottom strike



4155

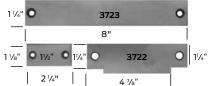
4155 bottom strike for use with (F)XX-V and (F)XX-C



2130

(F)XX-V standard bottom strike for grouting into concrete or masonry floors. Also used with (F)XX-C





3721/3722/3723

Steel filler plates
3721 Cylindrical lock front filler
3722 ASA Strike filler
– set no. SC for 161 cutout
3723 Mortise lock front filler
3722 ASA Strike filler

- set no. SM for 86 cutout

Surface vertical extension rods

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

Concealed extension rods

Extension rods are available in 12", 24" and 36". Both ends have pressed-in, threaded inserts.

Accessories

Strikes

Concealed vertical rod



PB48

Top strike for 1990 devices. Packed with three 0.050" thick shims. 1 ½6" square ½6" projection

Rim



STK45

Strike for inactive leaf, pair of doors with 2090 devices. 3 ½" tall 15/16" wide ½" thick



SD35

Strike for 1/8" x 1/2" blade stop, 2090 device. 1 3/4" tall 1 3/4" wide 1/2" thick



SD36

Strike for all stops, 2090 device. 1 ³/₄" tall 1 ³/₄" wide 1/₂" thick

Pull



9970

Can be used with all devices. 9 $\frac{1}{4}$ " center to center 2 $\frac{7}{8}$ " projection 1 $\frac{3}{4}$ " clearance

Cylinders

- Cylinders for XX-R and XX-V Series devices with cylinder operation are rim cylinders with either horizontal or vertical tailpiece.
- Cylinders for XX-C and, XX-M and Series devices are mortise cylinders with standard thread (15/32" 32). The standard cams furnished with most manufacturers mortise cylinders will operate mortise locks, as well as concealed Delta trim operators for XX-C devices. (Cams measure approximately 1" overall and 5/16" wide at tip.) Exception: Concealed C & NL require cam B250-295.
- Cylinder supplied only when specified.
- $1\frac{1}{4}$ " long with standard cam and "G" keyway only. On Delta C trim for vertical and concealed vertical C and NL functions $1\frac{1}{8}$ " - $1\frac{1}{4}$ " long cylinder by blocking ring required with cam B250-295.
- Cylinders available keyed and keyed different.
- XX-M devices using 811K, 812L or 816L trim require a 1 ½ "cylinder.

Sex Bolts

Sex bolts are available in lengths (under the head) of $12 \frac{1}{32}$ ". Screws to fit are available in $\frac{3}{4}$ " and 2" lengths to cover a wide range of door thicknesses. B-2729 (#10-24 Thread)

B-4122 (1/4-20 Thread)



Trim designs

Vanguard (820)



820 TP 820 NL

Escutcheon: 2 ³/₄" x 16¹/₈" Grip: 6 ¹/₄" C–C Projection: 2 ¹/₁₆" Brass, bronze, stainless steel and aluminum

Apollo (810)



810TP 810NL

Pull: 5 ½" OC Escutcheon: 3 ¼" x 15" Projection: 2 ¼" Brass, bronze, stainless steel and aluminum

Athena (815)



815NL 815TP

Grip Overall: 9 1/16" Width: 1 5/8" Pull: 6 1/4" C—C Projection: 2 1/4" Brass, bronze, plated and aluminum

811K

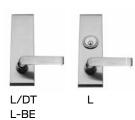


811K-DT 811K 811K-BE

Round Ball Knob Escutcheon: 2 3/4" x 9 3/4" Projection: 3 3/8" Brass, bronze and stainless steel

812L

Dane



Dane



700 Series projection: 2 $^{7}/_{8}$ " 800 Series projection: 2 $^{13}/_{16}$ "

Sutro



700 Series projection: 3 1/8" 800 Series projection: 3 13/16"

718NL

Quantum



700 Series projection: 3 1/8" 800 Series projection: 3 1/2"

Avalon



700 Series projection: $3 \frac{1}{8}$ " 800 Series projection: $3 \frac{1}{8}$ "

816L

Vandal resistant



- Heavy duty, vandal resistant
- Trim operates device even in the "broken" position
- Breaks away in either direction (up or down), no internal shear
- Retrofits all existing Falcon lever or knob trims without additional door prep
- Works with all electric lock and unlock functions
- Works with rim, surface vertical devices and mortise
- · Handed

Lever: $4^{5}/_{8}"$ Escutcheon: $2\,^{3}/_{4}"$ x $9\,^{3}/_{4}"$ (specify handing) brass, bronze and stainless finishes.

■ Dane, Quantum and Sutro lever trim return to within 1/2" of door.

718 Delta (for XX concealed only)



For active trim when locking is not required specify (BE) blank escutcheon. Escutcheon: $8 \ '/_8 \ x \ 1^7/_8 \ '$ Overall length: $14 \ '/_{16} \ ''$ Specify handing

717



717DT Escutcheon:

8 1/8" x 1 7/8"

712



*Dane shown.

712L Control Escutcheon: 8 1/8" x 1 7/8"

711



711K

Escutcheon: $8^{1}/8^{11} \times 1^{7}/8^{11}$ Projection: $3^{13}/16^{11}$

Trim chart

Athena (815)				Vanguard	d (820)			
Device	DT	NL	TP	DT	NL	TP	TP(BE)	Blank(EO)
XX-R	815	815	815	820	820	820	820	820
XX-V	815	815	815	820	820	820	820	820
XX-M	815	815	815	820	820	820	820	820

Apollo (810)						811K		
Device	DT	NL	TP	TP(BE)	Blank(EO)	K	K/DT	K(BE)
XX-R	810	810	810	810	810	811	811	811
XX-V	810	810	810	810	810	811	811	811
XX-M	810	810	810	810	810	811	811	811

Device	L	L/DT	Sutro L(BE)
XX-R	812	812	812
XX-V	812	812	812
XX-M	812	812	812

Device	L	L/DT	Dane L(BE)
XX-R	812	812	812
XX-V	812	812	812
XX-M	812	812	812

Device	L	L/DT	Quantum L(BE)
XX-R	812	812	812
XX-V	812	812	812
XX-M	812	812	812

Device	L	L/DT	Avalon L(BE)		
XX-R	812	812	812		
XX-V	812	812	812		
XX-M	812	812	812		

Device	Sutro	L/DT	L(BE)	
XX-R	816	816	816	
XX-V	816	816	816	
XX-M	816	816	816	

Device	L	L/DT	Dane L(BE)
XX-R	816	816	816
XX-V	816	816	816
XX-M	816	816	816

Device	L	L/DT	Quantum L(BE)
XX-R	816	816	816
XX-V	816	816	816
XX-M	816	816	816

Device	L	L/DT	Avalon L(BE)
XX-R	816	816	816
XX-V	816	816	816
XX-M	816	816	816

		Dan	е		Ava	lon		Suti	ro		Quan	tum	
Device	L	BE	DT	L	BE	DT	L	BE	DT	L	BE	DT	_
XX-C	712	712	712	712	712	712	712	712	712	712	712	712	_

Device	TLP	TP	TP-BE	DT	NL	DT	K	K-BE	С
XX-C	719	718	718	718	718	717	711	711	718

Door application

Label doors

Falcon models F-XX-R, F-XX-V, F-XX-M, and F-XX-C are labeled for use as 🐧 fire exit hardware. UL and Warnock Hersey listed.

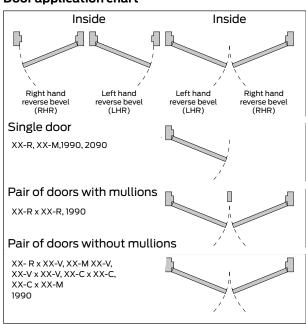
Door thickness

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

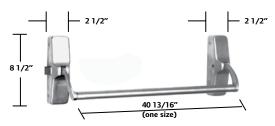
Device	Label	Opening	Application
Hollow meta	ıl door		
F-XX-R 3 hr.		4' x 8' 8' x 8'	Single, pair, same egress w/ F-4023 mullion or KR-F4023 mullion (11/2 hr.)
F-XX-M	3 hr. "A"	4' x 10' 8' x 10'	Single, pair, same egress F-XX-M x F-XX-V or F-XX-M x F-XX-C
F-XX-V	3 hr. "A"	4' x 10' 8' x 10'	Pair, double egress, same egress F-XX-M x F-XX-V
F-XX-C	3 hr.	4' x 10'	Pair, double egress, same egress F-XX-M x F-XX-C
	"A"	8' x 10'	
F-XX-V-LBR	3 hr. "A"	4' x 8' 8' x 8'	Pair, double egress, same egress
F-XX-C-LBR	3 hr. "A"	4' x 8' 8' x 8'	Pair, double egress, same egress
Wood door	,		
F-XX-C- WDC	45 min.	4' x 8' 8' x 8'	Pair, wood comp., double egress (steel channel construction)
F-XX-C- WDC	1 ½ hr. "B"	4' x 8' 8' x 8'	Pair, wood comp., same egress (steel channel construction)
F-XX-C- WDC-LBR	20 min.	4' x 8' 8' x 8'	Pair, wood comp., same/double egress (steel channel construction)
F-XX-V-LBR	20 min.	4' x 8' 8' x 8'	Pair, wood comp., double egress, same egress

U.S. standard	ВНМА	Description
US28	628	Anodized aluminum – clear
DC13	710	Anodized aluminium – dark bronze
DC35	711	Anodized aluminum – black
P28	689	Painted aluminum – silver
P13	695	Painted aluminum – dark bronze
P35	622	Painted aluminum – black
US3	666	Bright brass
US4	667	Satin brass
US9	705	Bright bronze
US10	668	Satin bronze
US10B	703	Oxidized satin bronze
US14	669	Bright nickel
US15	670	Satin nickel
US26	672	Bright chrome
US26D	702	Satin chrome

Door application chart



Device dimensions



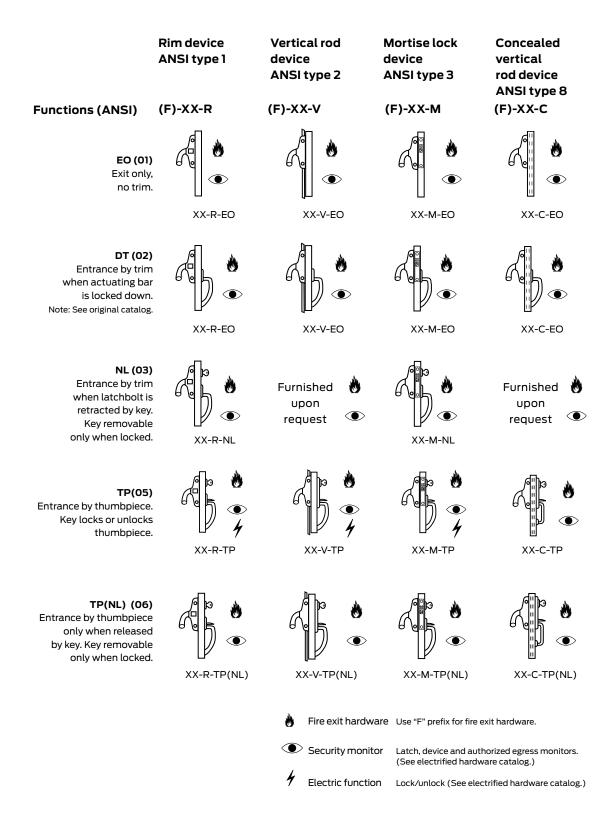
Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

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.						
08	Entrance by knob or lever; key locks or unlocks knob or lever.						
09	Entrance by knob or lever only when released by keys; key removable only when locked.						

Type and functions

XX Series

These pages list all functions available for the XX series devices. The XX-C devices use Delta trim only. See page 17.



Type and functions XX Series

These pages list all functions available for the XX Series devices. The XX-C devices use Delta trim only. See page 17.

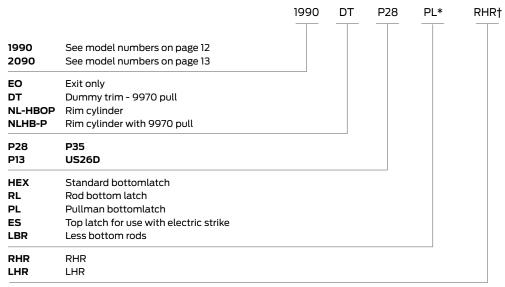
	Rim device ANSI type 1	Vertical rod device ANSI type 2	Mortise lock device ANSI type 3	Concealed vertical rod device ANSI type 8					
Functions (ANSI)	(F)-XX-R	(F)-XX-V	(F)-XX-M	(F)-XX-C					
L or K (08) Entrance by knob or lever. Key locks or unlocks knob.	XX-R-L/K	XX-V-L/K	XX-M-L/K	XX-C-L/K					
L(NL) or K(NL) (09) Entrance by knob or lever only when released by key. Key removable only when locked.	XX-R-L/K(NL)	XX-V-L/K(NL)	XX-M-L/K(NL)	XX-C-L/K(NL)					
TLP(NL) or TP(NL) (12) Entrance by control turnpiece only when released by turning key. Key removable only when locked.		XX-V-TL(NL)		XX-C-TL or TLP (NL)					
		🤚 Fire exit hard	ware Use "F" prefix for fi	re exit hardware.					
		Security mor		or Latch, device and authorized egress monitors. (See electrified hardware catalog.)					
		f Electric func	·	electrified hardware catalog.)					

How to order

XX Series

			A	λE	F	XX	V	L-DAN	NE US	53	3'	LHR	LBR	SNB	W
			_												
Rating															
F	Fire exit hard	ware													
Blank	Panic exit ha														
Device series XX	Crossbar devic	е													
Device type															
R	Rim		С	Concea	aled ver	tical rod									
V	Surface vertic	cal rod	C-WDC	Concea	aled ver	tical rod									
M	Mortise			wood c	door (9	0 min w/S	SCDC)								
Trim function	(see trim nage	es for all functions)	1												
EO	Exit only	.s for all forfetions,	'												
DT	Dummy trim		K	Knob											
NL	Night latch		L		dano et	andard)									
C	Cylinder trim	less null	-	Level (dane si	aridard)									
	Cymraer min	1000 poli													
Latch option															
DL	Deadlocking														
Finish															
US3	US10	US26	US32												
US4	SP313	US26D	US32D												
Daarusidah															
Door width	Specify exact	door width													
Handing															
RHR	Right hand re														
LHR	Left hand reve	rse													
Less bottom r	od														
LBR	Less bottom	rod													
LBR-AFL	LBR w/ auxilia	ry fire latch													
Other device	options														
RCB	Reinforced cr	ossbar													
Accessories															
CYL	Cylinder														
SNB	Sex bolts		AMS	All mad	chine so	rews									
	aneous door in														
HMD	Hollow meta														
HMF	Hollow meta	rrame													
WD	Wood door														
WDF	Wood frame														
ALD	Aluminum do														
ALF	Aluminum fra														
SCDC		l door construction													
_	Coosifi, -+L-	uoor or trame													
-	Specify other														
- -	Material infor														
- - -	Material infor Door height	mation													
- - -	Material infor Door height Door thicknes	mation													
- - - -	Material infor Door height Door thicknes Door undercu	mation ss it	in 1 1 / F	.											
- - - -	Material infor Door height Door thicknes Door undercu Door label (2	mation	in 1-¹∕₂ hr)											
- - - - -	Material infor Door height Door thicknes Door undercu Door label (2 Stile width	mation ss it 0 min, 45 min, 90 m	in 1-¹/2 hr)											
-	Material infor Door height Door thicknes Door undercu Door label (2 Stile width Frame stop h	mation ss it 0 min, 45 min, 90 m	in 1-1∕2 hr)											
- SGL	Material infor Door height Door thicknes Door undercu Door label (2 Stile width Frame stop h Single door	mation ss it 0 min, 45 min, 90 m eight)											
-	Material infor Door height Door thicknes Door undercu Door label (2 Stile width Frame stop h Single door	mation ss it 0 min, 45 min, 90 m eight swinging same direc)											

1990/2090



Note: Crossbar furnished 41" standard. Extra length crossbar 48" is available.

^{*} Applies to 1990 only

[†] Applies to 2090 only

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA, Interflex, LCN, Schlage and Von Duprin, Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries.

For more, visit www.allegion.com













1490 Concealed vertical rod touchbar device

The 1490 offers a clean appearance with pushpad styling and a variety of practical features. The 1490 is built with rugged steel operating mechanisms, and durable aluminum push bars and end caps.



Length Minimum door size (non-EL) Minimum door size (EL) 36" 25 ³/₄" 34 ³/₄" 42" 25 ³/₄" 34 ³/₄" 48" 36 ³/₄" 43 ³/₄"

Consult factory for special sizes.



Hand:	Specify RHR or LHR-supplied RHR if not specified.
Functions:	See trim selection chart on this page.
Finishes:	US28, DC13, DC 35, US3, US9, US10, US4, US10B, US14, US15.
Strikes:	PB48 top.
Latches:	RL - Rod bottom latch (standard), Hex bottom latch (standard for EL), PL - Pullman bottom latch (optional), ES - electric strike top latch (optional). Device needs to be less bottom rod (LBR).
Dogging feature:	Quarter turn hex dogging standard. No threaded parts to wear out.
Cylinder:	Rim, night latch (NL) or hold back (HB) feature available. Simplified cartridge mounting for most standard rim cylinders. Furnished in DC35 if not specified.
Sizes:	36", 42", 48".
Doors:	$1^{3}/_{4}$ " thick metal doors-specify if other than $1^{3}/_{4}$ ".
Projections:	$2^{3}/4$ " maximum, 2" when dogged. Pushbar height is 3".
Stile:	1 ³ / ₄ " minimum.
Electric functions:	EL - electric latch retraction, include "S". Requires PS914-2RS minimum power supply. S- latch bolt monitor switch (SPDT).Conversion kits available. Devices are handed.
Fasteners:	All mounting screws are concealed. Uses all machine screws for device and latch.
End caps:	Durable zinc die cast, powder coated.
Vertical rods:	1' standard, extension rods available up to 7' 10".
ANSI:	Certified ANSI A156.3 2001 Grade 1 standards.
Shim kits:	1/2" riser is available.
High security:	1490 High Security devices are used for hurricane rated door openings. Consult door manufacturer's listing.

Model	Trim package	Type	Function
1490	No outside trim	6	01
1491	Pull only (9970)	6	02
1492	NL cylinder	6	03
1493	HB cylinder	6	04
1494	Pull (9970) w/ NL cylinder	6	02/03
1495	Pull (9970) w/ HB cylinder	6	02/04
1498	Dummy	6	

1590 Rim touchbar device

The 1590 offers the clean looks and easy pushpad design of the 1490 with the installation and maintenance ease of a rim exit device.



Length	Minimum door size (non-EL)	Minimum door size (EL)
36"	25"	35"
42"	25"	35"
48"	36"	43"

Consult factory for special sizes.

Model	Trim package	Type	Function
1590	No outside trim	6	01
1591	Pull only (9970)	6	02
1592	NL cylinder	6	03
1593	HB cylinder	6	04
1594	Pull (9970) w/ NL cylinder	6	02/03
1595	Pull (9970) w/ HB cylinder	6	02/04

Hand:	Non handed, "push" labels for each hand supplied standard.
Functions:	See trim selection chart on this page.
Finishes:	US28, DC13, DC35, US3, US9, US10, US4, US10B, US14, US15.
Strikes:	TD35 strike supplied standard. STK45 optional.
Latchbolt:	$1^{1}/4$ " high x $^{3}/4$ " projection, hardened steel.
Dogging feature:	Quarter turn hex key dogging.
Cylinder:	Night latch (NL) or hold back (HB) feature available, simplified cartridge mounting for most standard rim cylinders, furnished in DC35 if not specified.
Sizes:	36", 42", 48".
Doors:	$1^3/4$ " thick metal or wood, specify if other than $1^3/4$ ".
Projections:	$2^{3}/4$ " maximum, 2" when dogged. Pushbar height is 3".
Stile:	2" minimum.
Electric functions:	EL - electric latch retraction, include "S". Requires PS914-2RS minimum power supply. S - latch bolt monitor switch (SPDT).Conversion kits available. Devices are handed.
Fasteners:	All mounting screws are concealed.
Endcaps:	Durable zinc die cast, powder coated.
ANSI:	Certified ANSI A156.3-2001 Grade 1 standards.
Shim kits:	1/2" riser is available.
Retractors:	Used for cylinder assembly, special retractors available for use with mullions.
Mullions:	Removable mullions are available for pairs of doors, see page 12.

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

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:	1³/₄" 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.
High security:	1690 High security 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
1693	Pull and cylinder	6	02/03/04

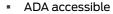
1790 Rim touchbar device

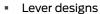
The 1790 rim device is typically used in applications where maintenance is a concern because the rim device has fewer parts and pieces than current exit devices. The result is less maintenance and adjustment. The streamlined design has no openings for chains, reducing the risk for code infringements and offering increased building security by eliminating the possibility of tampering and forced entry through the use of coat hangers and other tools. The 1790 may also be used to retrofit a 2090 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"

Lock/unlock capability



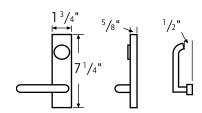


- Dane

- Sutro

- Quantum





Lever projection: Quantum = 3"

Sutro = 2 7/8"

Dane = $2^{7/8}$ "

Key locks or unlocks trim. Lever retracts latchbolt when trim is unlocked. Dane, Quantum and Sutro levers return to within 1/2" of door.

Hand:	Non handed.
Functions:	See trim selection chart on this page.
Finishes:	US28, DC13, DC35, US3, US10, US26, US26D. Centercase and end cap are powder-coated black only.
Strikes:	TD35 strike supplied standard, see page 11 for other rim strikes available.
Latchbolt:	1" thickness, 3/4" throw.
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) available (field selectable).
Sizes:	30", 36", 42", and 48".
Doors:	1 ³ / ₄ " thick metal or wood, specify if wood door.
Projections:	$3 \frac{3}{6}$ " in neutral position, $2 \frac{3}{6}$ " in dogged position. Pushbar height is $2 \frac{1}{2}$ ".
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.
ANSI:	Carry UL label and approved for life safety. Certified ANSI A156.3 grade 1 standards.
Mullions:	Removable mullions are available for pairs of doors, see page 12.

Model	Trim package	Type	Function
1790	No outside trim	4	01
1791	Pull only (9970)	4	02
1792	Cylinder only	4	03/04* or 08/09*
1794	Pull (9970) and cylinder	4	02/03/04

^{*}Requires use of 179L

19-R Series non-handed rim device

Panic exit hardware

The Falcon 19-R Series rim device that delivers superior panic hardware with modern touchbar styling.

This non-handed device covers a 161 cutout and may be used on $1^{3}/4^{"}$ narrow stile aluminum doors.

The "EO" (exit only) device is ready to accept any trim function shown on page 17.



Device & trim	ANSI type	ANSI function
19-R-EO	1 or 4	01
19-R-DT	1 or 4	02
19-R-NL	1 or 4	03
19-R-K (or L or KIL)	1 or 4	08
19-R-K-NL (or L-NL or kil-nl)	1 or 4	09
19-R-TP-BE	1 or 4	
19-R-K-BE	1 or 4	
19-R-K-DT	1 or 4	
19-R-L-BE	1 or 4	
19-R-L-DT	1 or 4	
19-R-KIL-BE	1 or 4	
19-R-KIL-DT	1 or 4	

Note: For blank escutcheon specify BE.

Hand:	Non-handed.
Functions:	See trim selection chart on this page.
Finishes:	SP28, SP313, US32D. Centercase and end cap are powder-coated black only.
Strikes:	Standard - F570. Optional - F490, 565, 571, 571A.
Latch:	Stainless steel, 3/4" throw dead locking.
Dogging feature:	Hex key dogging standard. Cylinder dogging or less dogging optional.
Sizes:	3' for doors from 2'5" up to 3'. 4' for doors from 3' up to 4'.
Doors:	1 ³ / ₄ " thick metal or wood doors, specify if other.
Projections:	$2\frac{1}{2}$ " in neutral position, $1\frac{7}{8}$ " in dogged position. Pushbar height is $1\frac{3}{4}$ ".
Stile:	1 ³ / ₄ " minimum.
Fasteners:	All machine screw mounting. Device mounting fasteners are concealed, latch fasteners are exposed to egress side.
End caps:	Black plastic end caps.
ANSI:	Certified ANSI A156.3 grade 1 standards.

F-19-R Series non-handed rim device

Fire exit hardware

The F–19 Rim fire exit device is an excellent addition to the touchbar. This device is non-handed and is listed by UL for B label fire door installations on $4'0" \times 7'2"$ single doors and/or $8'0" \times 7'2"$ double doors with an F–4023 removable mullion or KRF-4023. The "EO" (exit only) device is ready to accept any trim function shown on page 17.







F490 Strike optional



Device & trim	ANSI type	ANSI function
F-19-R-EO	1 or 4	01
F-19-R-NL	1 or 4	03
F-19-R-K (or L or KIL)	1 or 4	08
F-19-R-K-NL (or L-NL or KILl-NL)	1 or 4	09

Note: For blank escutcheon specify BE

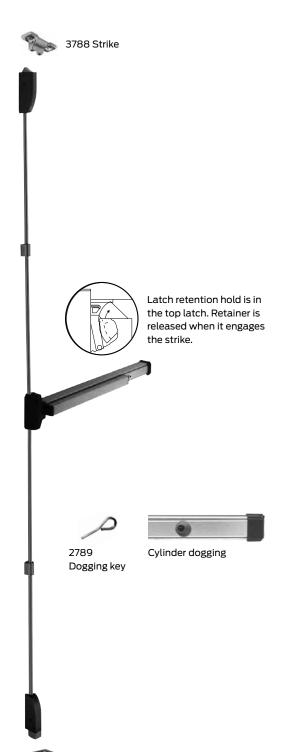
UL:	"B" label (1 ½"hr.); 4'0" x 7'2".
Functions:	All functions built into "EO" device. All 19 series trim works with rim or vertical devices. See trim selection chart on pages 15 and 16.
Finishes:	Power-coated aluminum-SP28; power-coated duranodic-SP313; stainless steel US-32D.
Strikes:	Stainless steel, F570 or F490.
Latchbolt:	Stainless steel, 3/4" throw.
Deadlocking latchbolt:	Standard.
Sizes:	3' for doors from 2'5" up to 3'. 4' for doors from 3' up to 4'.
Doors:	$1^{3}/4$ " thick wood or metal. Specify thickness if other than $1^{3}/4$ ". (SNB must be specific on wood or composite doors.)
Projections:	$2^{1}/_{2}$ " in neutral position, $1^{7}/_{8}$ " in depressed position. Pushbar height is $1^{3}/_{4}$ ".
Sex bolts:	When used with wood, composite or non-reinforced hollow metal, sex bolts must be specific, 3-#4122 (1/4"-20)SNB standard. An additional 2-#2729 (10-24) SNB must be specified.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
Shim kit:	For glass lite applications; $1/4$ " thick specify SK 19-R- $1/4$ ".
161 Cutout:	Device covers 161 cutout with KIL and Centron trims. Other trim requires cover plate.



19-V Series non-handed vertical rod device

Panic exit hardware

Manufactured to the same standards as the 19 Rim, the 19–V exit device complies with most exit door requirements, and is fully reversible and surface applied. This device is regularly furnished with deadlocking top latch with latch retention and square bolt at bottom. The "EO" (exit only) device is ready to accept any trim function shown on page 17.



Device & trim	ANSI type	ANSI function
19-V-EO	2 or 5	01
19-V-DT	2 or 5	02
19-V-NL	2 or 5	03
19-V-K (or L)	2 or 5	08
19-V-K-NL (or KIL)	2 or 5	09

Note: For blank escutcheon specify BE.

Specifications

Hand:	Field reversible.
Functions:	All functions built into "EO" device. All 19 Series trim works with rim or vertical devices. See Trim Selection Chart on pages 15 and 16.
Finishes:	Powder-coated aluminum—SP28; powder-coated duranodic—SP313; stainless steel US-32D.
Strikes:	3788 strike is surface applied standard, 2130 strike is mortised into floor.
Angle bracket:	Use 4215 angle bracket in flush transom or rabbeted installations. Allows use of standard 3788 strike.
Latchbolt:	Top stainless steel $^3/_4$ " throw. Bottom square bolt $^1/_2$ " throw.
Deadlocking latchbolt:	Standard.
Dogging feature:	Half turn hex dogging standard. No threaded parts to wear out.
Cylinder dogging:	Specify "CD" prefix. Use 1 $^{1}/_{8}$ " long mortise cylinder with standard "A" cam.
Stock sizes:	3' for doors from 2'5" up to 3'. 4' for doors from 3' up to 4'.
Doors:	$1^3/4$ " thick, wood or metal. Specify thickness if other than $1^3/4$ ".
Narrow stile doors:	To 1 ³ / ₄ " N.S. aluminum. With control trim– 2 ¹ / ₄ " min. stile.
Projection:	2 ½" max., 1 ½" dogged.
Fasteners:	All mounting screws are concealed. Furnished with sheet metal screws. Machine screws available, specify AMS.
Sex bolts:	3-#4122 (1/4"-20) SNB standard. Hollow core wood, light gauge hollow metal, etc. require additional sex bolts. 19-V: 6-#2729 #10-24 SNB; 19-V-LBR: 3-#2729 #10-24 SNB
ANSI:	Certified ANSI A156.3 2001 grade 1 standards.
19–V:	Latch retention and 3788 strike top, deadbolt and 2130 flush strike bottom.
19-V-LBR:	3788 strike top.
Vertical rods:	Furnished to length based on 40 $^5/_{16}$ " horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.
Shim kit:	For glass lites applications; 1/4" thick specify SK-19-V-1/4".
161 cutout:	Device covers 161 cutout with KIK/KIL and Centron trims. Other trim requires cover plate.

2130 Strike

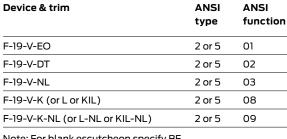
F-19-V Series non-handed vertical rod device

Fire exit hardware

Manufactured to the same standards as the F-19 Rim, the F-19-V ♦ Fire exit device complies with most exit door requirements, and is fully reversible and surface applied. This device is regularly furnished with deadlocking top latch retention and square bolt at bottom. (This device is listed by UL for "B" label fire door installations.) The "EO" (exit only) device is ready to accept any trim function shown on page 17.



Strike



Note: For blank escutcheon specify BE.

Hand:	Field reversible.
Functions:	All functions built into "EO" device. All 19 Series trim works with rim or vertical devices. See Trim Selection Chart on pages 15 and 16.
Finishes:	Powder-coated aluminum—SP28; powder-coated duranodic—SP313; stainless steel US-32D.
Strikes:	3788 strike is surface applied. 2130 strike is mortised into floor.
Latchbolt:	Top stainless steel 3/4" throw. Bottom square bolt 1/2" throw.
Deadlocking latchbolt:	Standard.
Stock sizes:	3' for doors from 2'5" up to 3'. 4' for doors from 3' up to 4'.
Doors:	$1^{3}/4$ " thick, wood or metal. Specify if other than $1^{3}/4$ " thick.
Projection:	2 ½" maximum.
Fasteners:	All mounting screws are concealed. All machine screws standard.
Sex bolts:	3-#4122 (1/4"-20) SNB standard. Composite or non-reinforced wood, hollow metal require additional sex bolts. F-19-V: 6-#2729 #10-24 SNB; F-19-V-LBR: 3-#2729 #10-24 SNB.
ANSI:	Certified ANSI A156.3-2001 grade 1 standards.
F-19-V:	Latch retention and 3788 strike top deadbolt and 2130 flush strike bottom.
F-19-V-LBR:	Latch retention and 3788 strike top.
Vertical rods:	Furnished to length based on a 40 $^5/_{16}$ " horizontal CL from finished floor and a 7'0" door standard. Variations from these standards must be specified when ordering.
Shim kit:	For glass lites applications; 1/4" thick specify SK-19-V-1/4".
161 cutout:	Device covers 161 cutout with KIK/KIL and Centron trims. Other trim requires cover plate.





Trim designs

Control trim SP28, SP313 and US-32D.

K-control L-control



BE NL



L-Control-Avalon 912L

BE L-DT NL



Key locks or unlocks Lever Projection: Quantum = 3" trim. Knob retracts latchbolt when trim



L-Control-Dane 912L

L-DT NL



L-Control-Sutro 912L

Key locks or unlocks trim. Lever

retracts latchbolt when trim is

unlocked. Dane, Quantum and

Sutro levers return to within 1/2"

BE L-DT NL



L-Control-Quantum

BE L-DT



912L

NL



DT-control

918 DT





NL-control

918NL Key retracts latchbolt.



center to center

9970

with all

devices.

Can be used

Pull

2 7/8" projection

13/4" clearance

Cover plates

is unlocked.



4167

3 1/4" x 15" x .050 Used with TP control & DT control Covers 161 & 86 cutouts



Sutro = 2 7/8 "

Dane = 2 7/8 "

Avalon = 3"

4168

3 1/4" x 7 1/2" x .050 Used with EO device to cover No. 86 cutout for mortise lock



4170

 $3\frac{1}{4}$ " x $7\frac{1}{2}$ " x .050 Used with K control, DT/K control, L control, or DT/L control Covers 161 & 86 cutouts

Key-in-lever

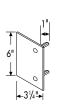


914KIL



914-KIL-IC

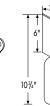
Centron trim



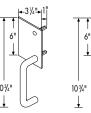
930 EO

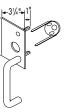
-3½"→

930 C



930 DT



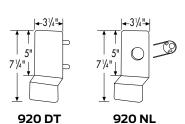


930 NL



Pull only 917 DT CTC - $5\frac{1}{2}$ " round - $\frac{3}{4}$ " dia. Pull when dogged.

Trident trim



^{*}For type 86 cutout specify 4174 inside cover plate.

Trim chart

Control

Device	DT	NL	T-BE	K	K-BE	K-DT
19-R/19-V	918	918	910	911	911	911
Cylinder type	_	rim	_	11/8" Mortise	_	_

	Avalon	*		Dane*			Sutro*			Quantu	ım*	
Device	L	L-BE	L-DT	L	L-BE	L-DT	L	L-BE	L-DT	L	L-BE	L-DT
19-R/19-V	912	912	912	912	912	912	912	912	912	912	912	912
Cylinder type	11/8" Mortise	_	_	1½" Mortise	_	_	1 ½" Mortise	_	_	11/8" Mortise	_	_

KIL

Device	KIL*	KIL-LS/LK ¹	KIL-NL*	KIL-IC*
19-R/19-V	914	914	914	914
	Falcon "C" keyway A23160	_	Falcon "C" keyway A23160	Small format

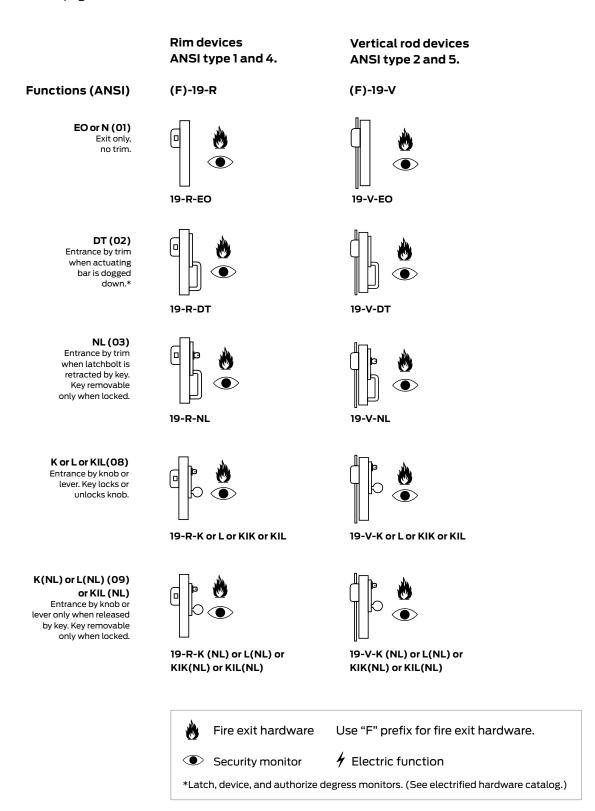
Trident trim			Centron			
Device	NL	DT	С	DT	NL	
19-R/19-V	920	920	930	930	930	
Cylinder type	Rim	_	Rim	_	Rim	

^{*}Specify hand.

Note: For "NL" night latch function on K and L add "NL" after trim number. All locking trim except KIL furnished less cylinder.

Type and functions

These pages list all functions available for the 19 Series devices.



^{*}Fire exit devices cannot be dogged down. Some codes permit electric dogging with fail secure circuitry.

Type and functions

Double doors

Device & trim	Length	Top strike	Bottom strike	Min. stile	Door opening width
(F) 19-V	3'0"	3788	2130	3 1/2"	2' 5 1/4" to 3'0"
(F) 19-V	4'0"	3788	2130	3 1/2"	3'0" to 4'0"

Note: For (F-) 19-V-LBR use "V" information less bottom strike. F-19-V-LBR requires use of auxiliary fire latch.

Single doors with 5/8" stop

Device & trim	Length	Strike	Min. stile	Door opening width
19-R	3'0"	F570 565	3 1/2" 1 3/4"*	2'5 1/4" to 3'0" 2' 4 3/4" to 2' 9 1/4"
F-19-R	3'0"	F570	3 1/2"	2'5 1/4" to 3'0"
19-R	4'0"	F570 565	3 1/4" 1 3/4"*	3'0" to 4'0" 3'0" to 3'9 ³ / ₄ "
F-19-R	4'0"	F570	3 1/4"	3'0" to 4'0"

^{*}For EO, O with pull and NL functions only. 2- $^{1\!/_{\!4}\text{"}}$ minimum stile required for control trim.

Dimensions:

- Recommended height from finished floor 40 5/16" at CL.
- Touchbar projections: neutral 2 1/2" depressed 1 7/8"
- Extension rods or longer top rods available upon request.
- Specify door height.
- Dummy touchbar available. Specify 190 DT 3' or 4'.
- Overall length: 3' 30 1/2" 4' 42 5/8"
- Changes for minimum door size for charts on left:
- For cylinder dogging, add 2 1/4" to minimum door size.
- For exit alarm, add 4 1/2" to minimum door size.
- To fit on smaller door consult factory

Double doors with Mullion

Device & trim	Length	Strike	Min. stile	Door opening width	Fire	Panic
19-R	3'0"	F570	3 1/2"	2'5 1/4" to 3'0"	_	29231
			3 3/4"		_	4023/ KR4-23
		565	3 1/8"	2'4 3/4" to 2'9 1/4"	_	29231
			3 3/8"		_	4023/KR4023
F-19-R	3'0"	F-570	3 3/4"	2'5 1/4" to 3'0"	(F)4023	_
					KR(F)4023	_
19-R	4'0"	F570	3 1/2"	3'0" to 4'0"	_	29231
			3 3/4"		_	4023/KR4-23
		565	3 1/8"	3'0" to 3'9 3/4"	_	29231
			3 3/8"		_	4023/KR4023
F-19-R	4'0"	F-570	3 3/4"	3'0" to 4'0"	(F)4023	_
					KR(F)4023	-

¹ To cover 161 cutout on double door installation, specify 2923 mullion with 565 strike.





Door applications

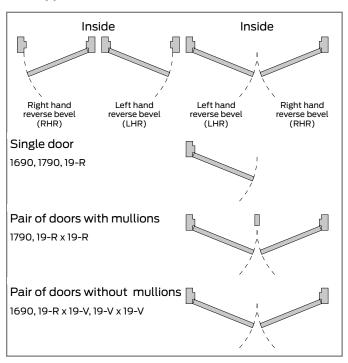
Door thickness

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.
08	Entrance by knob or lever; key locks or unlocks knob or lever.
09	Entrance by knob or lever only when released by keys; key removable only when locked.
· ·	· · · · · · · · · · · · · · · · · · ·

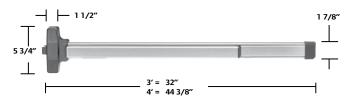
U.S. standard	ВНМА	Description
US28	628	Anodized aluminum – clear
DC13	710	Anodized aluminium – dark bronze
DC35	711	Anodized aluminum – black
P28	689	Painted aluminum – silver
P13	695	Painted aluminum – dark bronze
P35	622	Painted aluminum – black
US3	666	Bright brass
US4	667	Satin brass
US9	705	Bright bronze
US10	668	Satin bronze
US10B	703	Oxidized satin bronze
US14	669	Bright nickel
US15	670	Satin nickel
US26	672	Bright chrome
US26D	702	Satin chrome

Door application chart



Device	Label	Door opening	Application
Hollow meta	ıl door		
F-19-R	1 1∕₂ hr. "B"	4' x 7'2" 8' x 7'2"	Single, pair, same egress w/ F-4023 mullion and KR-F-4023
F-19-V	1 ½ hr. "B"	8' x 10'	Pair, double egress, same egress
F-19-V-LBR	1 1∕₂ hr. "B"	8' x 8'	Pair, double egress, same egress
Wood door			
F-19-V-LBR	20 min.	8' x 8'	Wood or comp., pair, double egress, same egress
F-19-R	1 ½ hr. "B"	4' x 7'2" 8' x 7'2"	Single, pair, same egress w/ F-4023 mullion and KR-F-4023

19 Device dimensions:



Strikes /accessories

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" $(H \times W \times D)$

1790 Rim device



STK45

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



TD35

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

(F) 19-R Rim devices



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



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



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

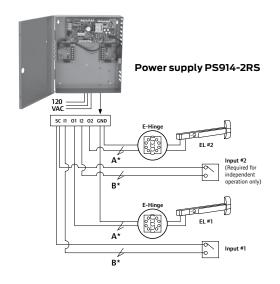
Angle bracket for 19-V devices flush transom applications. Does not require elimination of latch retention feature.



Extension rods

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

Popular EL application



FI Device wire selection size

	EL Device wire selection size							
Α*	Run length	EL device w/EPT or door loop						
	0-100 ft.	14 gauge						
	100-200 ft.	12 gauge						

A *	Run length	EL device w/electric hinge/pivot
	0-75 ft.	14 gauge
	76-150 ft.	12 gauge

B* :	Wire selection	Switch wire size
	1200 ft. max.	18 gauge

Power supply



The PS900 series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Note: PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated*
- * Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse

protection, simple relay, and advanced logic providing complex sequencing and timing functions.

* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Note: One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Applications:

The PS900 series of power supplies works with many electrified devices including Falcon exit devices, electromagnetic locks, hardwired locks, electrified mechanical locks, electrified strikes and many other products.

Accessories:

The PS900 series features seven option boards for use in a variety of applications. All PS900 series power supplies option boards are UL 294 certified.

Option boards:

900-4R: 4 relay controlled output board to power multiple devices

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency 900-BB: Battery backup

900-2RS: 2 relay EL panic device control board

(PS914 only)

900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load.

Wire selection size / type

Run length	EL device w/ EPT or door loop					
0-100 ft	14 gauge standard wire					
101-200 ft	12 gauge standard wire					
Run length	EL device w/ electric hinge / pivot					
0-75 ft	14 gauge standard wire					
76-150 ft	12 gauge standard wire					
Wire selection	Switch wire size					
1200 ft max.	16 gauge					

Accessories



Removable mullion

- · Removable mullions are easily removed and reinstalled for full width access
- · Increased security and tighter closure
- · Minimizes door warp age and sag
- · Regulates the traffic flow in-and-out
- · Rim devices are used on both leaves, attaining a perfect symmetrical opening
- · Mullion assembly consists of a mullion, top and bottom fittings and mounting package
- · Mullion can be cut on the job for doors under stock lengths

2923, (F)4023, (F)KR4023 Mullion

These steel mullions can be used with the 19-R and F-19-R devices. Soffit adapters are available for the 2923 and 4023 mullions. The F4023 and F-KR4023 fire-rated mullions also include four stabilizer blocks as required for labeled installations. Strikes are not included with mullion and should be specified with the 19-R or F-19-R device, see page 11 for strike information. KR mullions require $1\,^{1}\!\!/_{8}$ " mortise cylinder with standard "A" cam. The mullion fittings are made from ductile iron. The (F)4023 and (F)KR4023 are 2" wide and 3" deep. The 2923 is $1\,^{1}\!\!/_{2}$ " wide and $2\,^{1}\!\!/_{2}$ " deep. Furnished in prime coat.

Mullions





Mullion brackets



525 Mullion stabilizer for RM170

RM 170 Removable mullion

RM 170 for use with 1790 series. Comes complete with adjustable mortised strikes and security clips. Compatible with doors 7' to 10' and for use with stiles as narrow as $1\frac{3}{4}$ ". Made of aluminum, available in anodized aluminum or bronze finishes. Mullion is $3\frac{1}{2}$ " deep, 1" wide on door side, and $1\frac{5}{8}$ " at the widest point.

Mullion strikes



STK170 Adjustable mortise strikes (pair). 2 ⁷/₈" tall

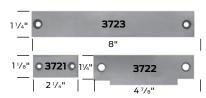
1³/₄" wide 1" thick

Sex bolts

Sex bolts are available for $1\sqrt[3]{4}$ door thickness. Screws to fit are available in $\sqrt[3]{4}$ and 2" lengths to cover a wide range of door thicknesses. 2729 (#10-24 thread) 4122 ($\sqrt[3]{4}$ "-20 thread)



Filler plates



3721/3722/3723

Steel filler plates

3721 Cylindrical lock frontfiller3722 ASA strike filler - set no.

SC for 161 cutout

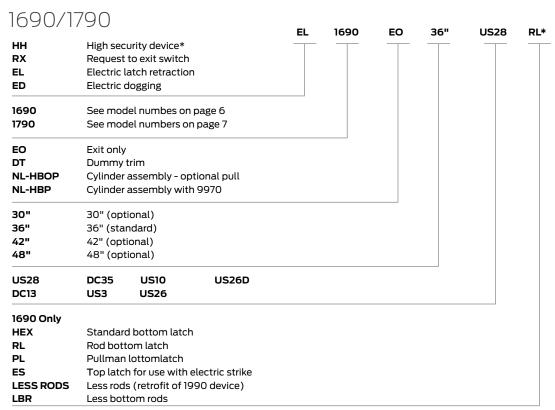
3723 Mortise lock front filler3722 ASA strike filler - set no.

SM for 86 cutout

How to order

1490/	1590	EL	1492	EO	36"	US28	CYL	RL*	RHR*
HH EL S	High security device * Electric latch retraction Signal switch - monitors latch bolt								
1490 1590	See model numbers on page 4 See model numbers on page 5								
EO DT NLOP HBOP NLP HBP	Exit only Dummy trim Night latch cylinder assembly - optional p Hold back cylinder assembly - optional p Night latch cylinder assembly with 9970 Hold back cylinder assembly with 9970 p	ull pull							
36" 42" 48"	36" (standard) 42" (optional) 48" (optional)								
US28 DC13	DC35 US9 US4 US14 US3 US10 US10B US15								
RISER CYL 7 PIN CYL	Riser (½") Rim cylinder Cylinder assembly for 7-pin cylinder. Cylir	nder not include	ed.						
RL HEX PL ES LBR	Standard bottom latch Standard EL bottom latch Pullman bottomlatch Top latch for use with electric strike Less bottom rod								
RHR LHR	RHR LHR								

^{*}Applies to 1490 only



^{*}Applies to 1690 Only

19 Series

			F	19	V	L-DANE	US32D	3'	L	HR	LBR	SNB	W
Prefixes	-			\top	\top					\top			
CD	Cylinder dogging												
KOR	Key bypass switch												
Rating													
F	Fire exit hardware												
Blank	Panic exit hardware												
Device Series													
19	Touch bar device, narrow stile												
Device Type													
R V	Rim Surface vertical rod												
rim Function	(see Trim pages for all functions)												
EO		K	Kno	h									
DT		L			standar	d)							
NL	-	TL		mb leve		۵,							
C	_	KIL		in lever	ı								
	Cythider triffitess pott	KIL	rvey	iii tevei									
inish													
US32D													
SP28													
SP313													
oor Width													
3'	Standard default												
4'													
_	Specify exact door width												
landing													
RHR	Right hand reverse												
LHR	Left hand reverse												
ess bottom r													
LBR	Less bottom rod												
LBR-AFL	LBR w/auxiliary fire latch												
Other device o	pptions												
RBB	Round bottom bolt												
SSTB	Stainless steel touch bar												
VRP	Black pad on touch bar												
TAC	Tactile warning												
Accessories													
CYL	Cylinder												
SNB	Sex bolts												
SNB SK	Shim kit												
SNB													
SNB SK AMS Other miscella	Shim kit All machine screws aneous door information												
SNB SK AMS Other miscella HMD	Shim kit All machine screws aneous door information Hollow metal door												
SNB SK AMS Other miscella HMD HMF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame												
SNB SK AMS Other miscella HMD HMF WD	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door												
SNB SK AMS Other miscella HMD HMF WD WDF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame												
SNB SK AMS Other miscella HMD HMF WD WDF ALD	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door												
SNB SK AMS Other miscella HMD HMF WD WDF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame												
SNB SK AMS Other miscella HMD HMF WD WDF ALD	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information Door height Door thickness												
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information Door height Door thickness Door undercut	1]−1/ ₂ hi	•)										
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information Door height Door thickness Door undercut Door label (20 min, 45 min, 90 min	1 1−1∕2 hı	·)										
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information Door height Door thickness Door undercut Door label (20 min, 45 min, 90 min Stile width	ì 1−1∕2 hi	•)										
SNB SK AMS Other miscella HMD HMF WD WDF ALD ALF	Shim kit All machine screws aneous door information Hollow metal door Hollow metal frame Wood door Wood frame Aluminum door Aluminum frame Steel channel door construction Specify other door or frame Material information Door height Door thickness Door undercut Door label (20 min, 45 min, 90 min	1 1−¹∕₂ hı	·)										

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA® Interflex® LCN® Schlage® and Von Duprin®.

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