

FALCON®

Cross bar

Exit devices



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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.



F570
(standard)



2789
Dogging key



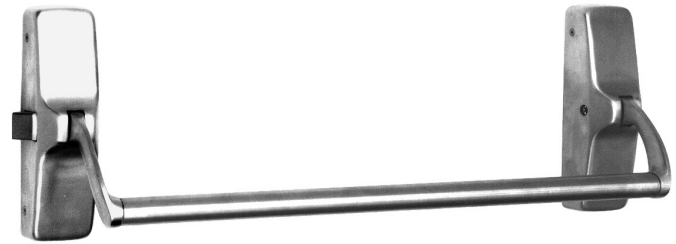
565
(optional)



571/571A
(optional)



F490
Strike



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

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

Specifications

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); SP313 (695)
Strikes:	F570 adjustable strike standard 565, 571, 571A, 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 and 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

Z Fire exit hardware

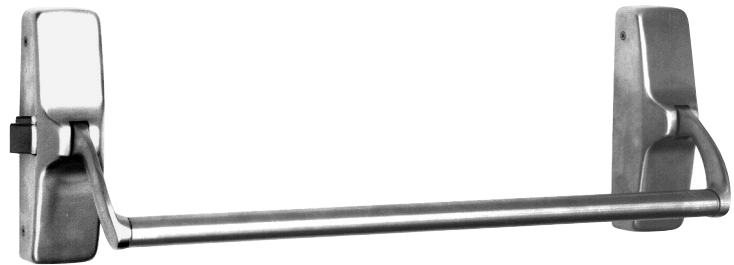
The Falcon F-XX-R Series Z fire rated rim device is produced with the demanding standards required for a quality fire rated device. The investment cast stainless steel chassis, stainless steel latchbolt and standard deadlocking feature provide years of reliable service in higher traffic installations.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



F570
(standard)



F490
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.

Specifications

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); SP313 (695)
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 and 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.



Specifications

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); SP313 (695)
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, $\frac{3}{4}$ " throw; Bottom stainless steel bolt, $\frac{1}{2}$ " throw
Deadlocking latchbolt:	Standard
Latch retention hold:	Standard with top latch
Dogging feature:	$\frac{1}{2}$ " turn hex dogging standard; No threaded parts to wear out
Stock sizes:	4'0" standard
Doors:	1 $\frac{3}{4}$ " thick, wood or metal; Specify thickness if other than 1 $\frac{3}{4}$ "
Projection:	5" maximum, 4" dogged
Stile:	3 $\frac{1}{2}$ " 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 $\frac{1}{4}$ " 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

Z Fire exit hardware

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



Specifications

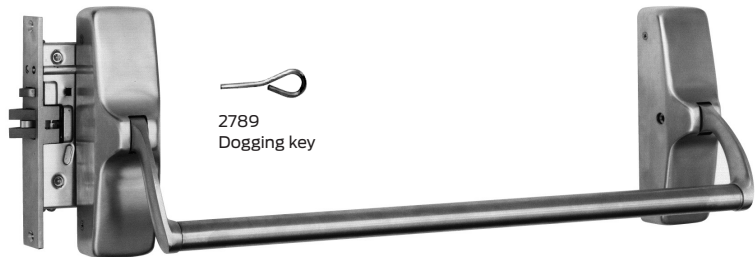
Hand:	Field reversible.
UL:	"A" label (3 hr.); 8'0" x 10'0" double egress; 8'0" x 10'0" (F-XX-M x F-XX-V) "B" label (3 hr.); 8'0" x 10'0" double egress; 8'0" x 10'0"
Functions:	See trim selection chart on page 18
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); SP313 (695)
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 1/2" 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.



Specifications

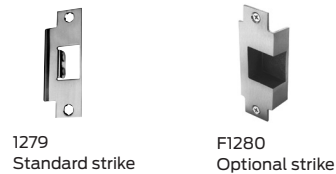
Hand:	Handed, specify when ordering
Functions:	Mortise lock determines function. When ordering device only, specify device with function less trim; See trim selection chart on page 18
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); SP313 (695)
Strikes:	1279 standard; F1280/1280A
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:	1 3/4" thick, wood or metal; Specify thickness if other than 1 3/4"
Projection:	5" maximum, 4" dogged
Stile:	4 1/2" 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 A115.1 for 1 3/4" doors; Deadlocked when auxiliary bolt is depressed 5/16"

F-XX-M Series

Mortise device

Z Fire exit hardware

The Falcon F-XX-M Series Z 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.



Specifications

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); SP313 (695)
Strikes:	1279 standard; F1280 optional, "B" label (1 1/2 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 1/2" 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.



Specifications

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); SP313 (695)
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, 3/4" throw; Bottom stainless steel bolt, 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:	1 3/4" thick, metal or wood; Specify thickness if other than 1 3/4"
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" x 8'0", 8'0" x 8'0" (with steel channel door construction)
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

F-XX-C Series

Reversible concealed vertical rod device

Z Fire exit hardware

The Falcon F-XX-C Series Z fire 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

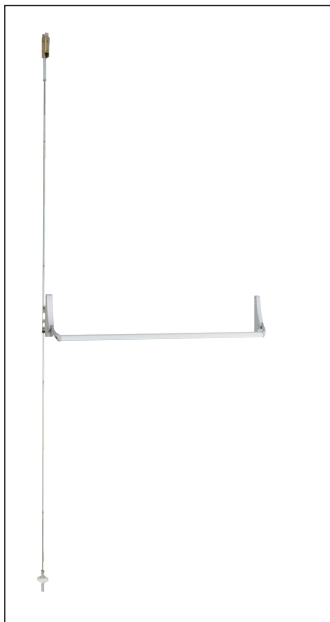
Hand:	Field reversible.
UL:	"A" label (3 hr.); 4'0" x 10'0"; double egress 8'0" x 10'0"; (F-XX-M x F-XX-C)
Functions:	See trim selection chart on page 18; Delta trim only
Finishes:	US3 (605); US4 (606); US10 (612); US26 (625); US26D (626); US32 (629); US32D (630); SP313 (695)
Strikes:	4188 mortised top; 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.

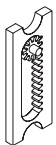


Specifications

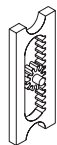
Hand:	Field reversible, non handed.
Functions:	See trim selection chart on this page.
Finishes:	P28, P13, P35, US26D.
Strikes:	PB48 top.
Latches:	Hex bottom latch (standard), RL - rod bottom latch, PL - Pullman bottom latch, ES - electric strike top latch (optional). Device needs to be less bottom rod (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:	1 3/4" 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.

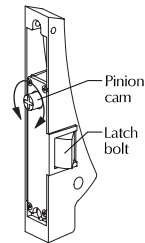


If cylinder is used, set pinion cam on back of active housing for hold-back (HB) or night latch (NL) operation.

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.



Night latch (NL)

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.

Specifications

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:	1 3/4" thick metal or wood doors, specify if wood door; 9970 is for use on HM and Alum doors only; Not for use on wood doors
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

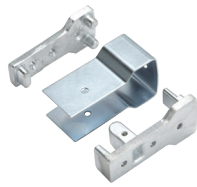
Model	Trim package	Type	Function
2090	No outside trim	4	01
2091	Pull only (9970)	4	02
2092	Cylinder only	4	03/04
2093	Pull and cylinder	4	02/03/04

Accessories

Mullions



RM 70



Mullion Brackets



525 Mullion Stabilizer

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



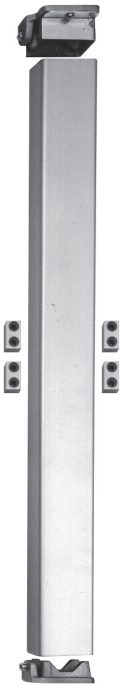
STK70

Adjustable mortise strikes (pair).

2 3/8" tall

1 7/16" wide

1" thick



F-4023 Shown

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 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 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 1/4" 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

F570/F490
Adjustable strike.

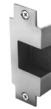


571/571A
Used on inactive leaf for device on active leaf of pair of doors without removable mullion. 571 keeps 2 7/16" backset. 571A is trimmer and projects less into opening.

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.

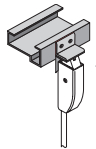


F1280
Open back strike used on pairs of 1 3/4" doors without astragal or coordinator. To basic ASA dimensions and can be used on stock hollow metal doors. Use 1280A for 2 1/4" doors. F-1280 B label (1 1/2 hr.) stainless steel strike available.



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.



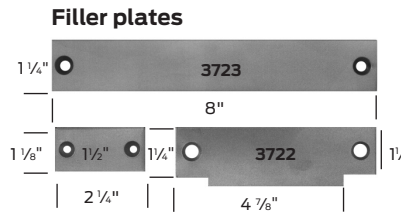
3788
Standard top of (F) XX-V.



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 1/16" square
7/16" projection

Rim



STK45

Strike for inactive leaf,
pair of doors with
2090 devices.
3 1/4" tall
1 5/16" wide
1/4" 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 1/4" center to center
2 7/8" projection
1 3/4" clearance

Cylinders

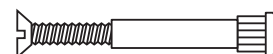
- Cylinders for XX-R and XX-V Series devices with cylinder operation are rim cylinders with either horizontal or vertical tailpiece.
- Cylinders for XX-C and, XX-M and Series devices are mortise cylinders with standard thread (1 5/32" - 32). The standard cams furnished with most manufacturers mortise 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 1/4" long with standard cam and "G" keyway only.
On Delta C trim for vertical and concealed vertical C and NL functions 1 1/8" - 1 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 1/2" cylinder.

Sex Bolts

Sex bolts are available in lengths (under the head) of 12 1/32". Screws to fit are available in 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 16 1/8"
 Grip: 6 1/4" C-C
 Projection: 2 1/16"
 Brass, bronze, stainless steel and aluminum

Apollo (810)



810TP 810NL

Pull: 5 1/2" OC
 Escutcheon: 3 1/4" x 15"
 Projection: 2 1/4"
 Brass, bronze, stainless steel and aluminum

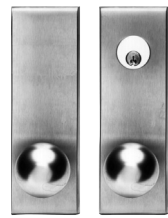
Athena (815)



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



L/DT
 L-BE

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"

Quantum



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

Avalon



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



718TP 718DT 718C 718NL

For active trim when locking is not required specify (BE) blank escutcheon.
 Escutcheon: 8 1/8" x 1 7/8"
 Overall length: 14 1/16"
 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" x 1 7/8"
 Projection: 3 13/16"

Trim chart

Athena (815)				Vanguard (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	Sutro L	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	812	812	812
XX-V	812	812	812
XX-M	812	812	812

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	812	812	812
XX-V	812	812	812
XX-M	812	812	812

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	812	812	812
XX-V	812	812	812
XX-M	812	812	812

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

Device	Dane			Avalon			Sutro			Quantum		
	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	C
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 ^Zfire exit hardware. UL and Warnock Hersey listed.

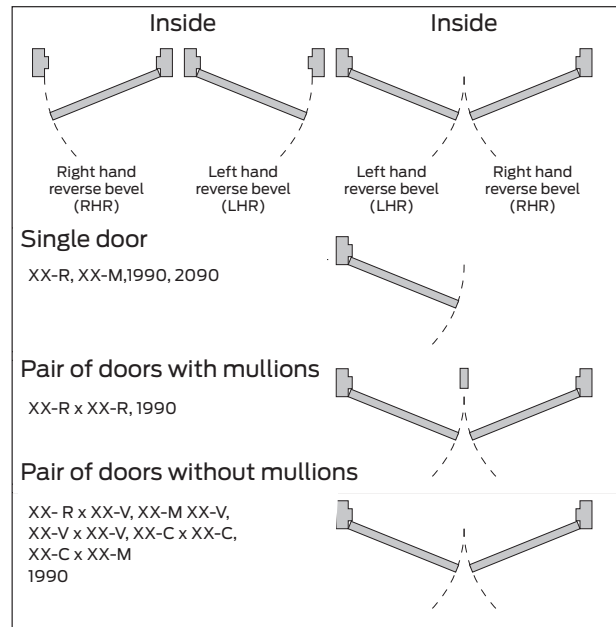
Door thickness

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

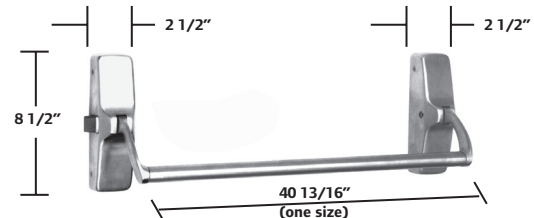
Device	Label	Opening	Application
Hollow metal door			
F-XX-R	3 hr.	4' x 8' 8' x 8'	Single, pair, same egress w/ F-4023 mullion or KR-F4023 mullion (1 1/2 hr.)
F-XX-M	3 hr. "A"	4' x 10' 8' x 10'	Single, pair, same egress F-XX-M x F-XX-V or F-XX-M x F-XX-C
F-XX-V	3 hr. "A"	4' x 10' 8' x 10'	Pair, double egress, same egress F-XX-M x F-XX-V
F-XX-C	3 hr. "A"	4' x 10' 8' x 10'	Pair, double egress, same egress F-XX-M x F-XX-C
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 1/2 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	BHMA	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
US14	669	Bright nickel
US15	670	Satin nickel
US26	672	Bright chrome
US26D	702	Satin chrome
SP313	695	Sprayed duranodic

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.

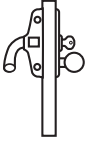
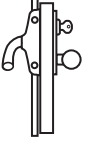
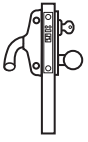
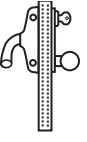
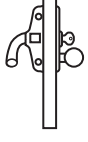
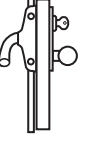

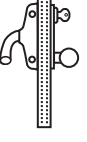

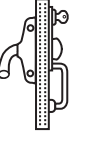
	Rim device ANSI type 1	Vertical rod device ANSI type 2	Mortise lock device ANSI type 3	Concealed vertical rod device ANSI type 8
Functions (ANSI)	(F)-XX-R	(F)-XX-V	(F)-XX-M	(F)-XX-C
EO (01) Exit only, no trim.	Z XX-R-EO	Z XX-V-EO	Z XX-M-EO	Z XX-C-EO
DT (02) Entrance by trim when actuating bar is locked down. Note: See original catalog.	Z XX-R-EO	Z XX-V-EO	Z XX-M-EO	Z XX-C-EO
NL (03) Entrance by trim when latchbolt is retracted by key. Key removable only when locked.	Z XX-R-NL	Furnished upon request Z	Z XX-M-NL	Furnished upon request Z
TP(05) Entrance by thumbpiece. Key locks or unlocks thumbpiece.	Z XX-R-TP	Z XX-V-TP	Z XX-M-TP	Z XX-C-TP
TP(NL) (06) Entrance by thumbpiece only when released by key. Key removable only when locked.	Z XX-R-TP(NL)	Z XX-V-TP(NL)	Z XX-M-TP(NL)	Z XX-C-TP(NL)

Z Fire exit hardware Use "F" prefix for fire exit hardware.

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.	 Z XX-R-L/K	 Z XX-V-L/K	 Z XX-M-L/K	 Z 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.	 Z XX-R-L/K(NL)	 Z XX-V-L/K(NL)	 Z XX-M-L/K(NL)	 Z 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.		 Z XX-V-TL(NL)		 Z XX-C-TL or TLP (NL)

Z Fire exit hardware Use "F" prefix for fire exit hardware.

How to order

XX Series

	AE	F	XX	V	L-DANE	US3	3'	LHR	LBR	SNB	WD
Rating											
F	Fire exit hardware										
Blank	Panic exit hardware										
Device series											
XX	Crossbar device										
Device type											
R	Rim										
V	Surface vertical rod										
M	Mortise										
C	Concealed vertical rod										
C-WDC	Concealed vertical rod wood door (90 min w/SCDC)										
Trim function (see trim pages for all functions)											
EO	Exit only										
DT	Dummy trim										
NL	Night latch										
C	Cylinder trim less pull										
K	Knob										
L	Lever (dane standard)										
Latch option											
DL	Deadlocking										
Finish											
US3	US10	US26	US32								
US4	SP313	US26D	US32D								
Door width											
-	Specify exact door width										
Handing											
RHR	Right hand reverse										
LHR	Left hand reverse										
Less bottom rod											
LBR	Less bottom rod										
LBR-AFL	LBR w/ auxiliary fire latch										
Other device options											
RCB	Reinforced crossbar										
Accessories											
CYL	Cylinder										
SNB	Sex bolts										
AMS	All machine screws										
Other miscellaneous door information											
HMD	Hollow metal door										
HMF	Hollow metal frame										
WD	Wood door										
WDF	Wood frame										
ALD	Aluminum door										
ALF	Aluminum frame										
SCDC	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 1-1/2 hr)										
-	Stile width										
-	Frame stop height										
SGL	Single door										
PR	Pair of doors swinging same direction										
DE	Double egress doors										

1990/2090

		1990	DT	P28	PL*	RHR†
1990	See model numbers on page 12					
2090	See model numbers on page 13					
EO	Exit only					
DT	Dummy trim - 9970 pull					
NL-HBOP	Rim cylinder					
NLHB-P	Rim cylinder with 9970 pull					
P28	P35					
P13	US26D					
HEX	Standard bottomlatch					
RL	Rod bottom latch					
PL	Pullman bottomlatch					
ES	Top latch for use with electric strike					
LBR	Less bottom rods					
RHR	RHR					
LHR	LHR					

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®, SimonsVoss® 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

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