



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.



Specifications

Hand:	Field reversible or specify handing.
Functions:	See trim selection chart on page 29. Delta trim only.
Finishes:	US3 (605); US4 (606); US10 (612); US11 (643e); US15 (619); US19 (622); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (710) (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" throw. Bottom bolt 1/2" 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:	1 3/4" thick, wood or metal. Specify if other than 1 3/4" thick.
Projections:	2 3/4" maximum, 2" dogged.
Stile:	2 1/4" 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, 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 (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' 7 3/8"
24-C	4'	All	2 1/4" (6" for wood doors)	3' 1 3/8"



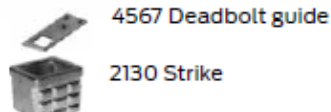
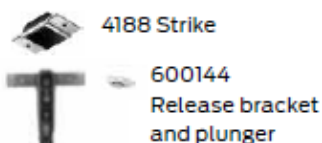
Fire Exit Hardware

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.

Specifications

Hand:	Field reversible.
UL:	"A" Label (3 hr) - double egress - 8' x 10'; 90 min. same egress - 8' x 10'.
Functions:	See trim selection chart on page 29. Delta trim only.
Finishes:	US3 (605); US4 (606); US10 (612); US11 (643e); US15 (619); US19 (622); US26 (625); US26D (626); US32 (629); US32D (630); US28 (628), 313AN (710) (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:	2 1/4" 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' 7 3/8"
F-24-C	4'	All	2 1/4" (6" for wood doors)	3' 1 3/8"





TRADEMARK HARDWARE

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FALCON 24-C EXIT DEVICE

ACCESSORIES AND OPTIONS



4023 Shown

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"	1 7/8"
1439	4023	3 11/16"	2 1/8"
1606	2923	3 5/16"	1 7/8"
1606	4023	3 11/16"	2 1/8"
4396	4423	2 1/8"	1 1/8"

Mullion features

- Mullion fittings – ductile iron
- 4023 – 2" x 3" x height
- KR4023 cylinder removable mullion – 2" x 3" x height and uses 1 1/4" 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

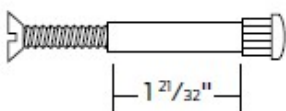
- Cylinder supplied only when specified.
- Cylinders available keyed alike.

Cylinder reference

Device	Trim	Standard key cylinder	IC key cylinder
24 Series device	Cylinder dogging	985 - 1 1/8" Mortise cylinder	C987 - 1 3/4" Mortise cylinder (Blocking ring plus security collar must equal 1/4" thick)
24 Series trims	L, K	986 - Mortise cylinder	C987 - Mortise cylinder
24 Series trims	NL - Rim and surface vertical 718C, 718NL	951- Rim cylinder	C953 - Rim cylinder
24 Series trims	Concealed 718C, 718NL	986 - 1 1/4" Mortise cylinder *4831 cam for trim prior to 2/28/12; B520 - 731 cam for trim after 2/28/12	C987 - 1 3/4" mortise cylinder (blocking ring plus security collar must equal 1/4")

Sex bolts

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





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FALCON 24-C EXIT DEVICE

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.



299F
2 7/8" x 1 1/4" x 13/16"
(H x W x D)



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.

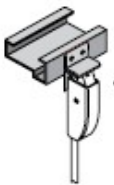


4155
Optional strike.
Panic device only.



4188
Top 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 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



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FALCON 24-C EXIT DEVICE

TRIM DESIGNS

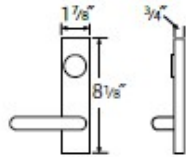
Lever trims (712L)



712L
712L/NL



712L/DT
712L/BE



Lever designs



Avalon (AVA)
Projection 3 3/4"



Quantum (QUA)
Projection 3 3/4"



Dane (DAN)
Projection 3"



Broadway (BRW)
Projection 3 1/2"



Boardwalk (BRK)
Projection 3 1/2"



Danish (DSH)
Projection 2 3/8"



Latitude (LAT)
Projection 3 3/8"



Longitude (LON)
Projection 3 1/2"



Sutro (SUT)
Projection 3 3/4"

Knob trim (711K)



711K
711-NL

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

Athena (715)



715DT

Grip overall: 9 1/8"
Width: 1 1/16"
Pull: 6 1/4" C x C
Projection: 2 1/4"

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

Escutcheon: 8 1/8" (H) x 1 7/8" (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.

Delta trims

1 1/8" Mortise cylinder



718DT

1" Cylinder



718C



718NL



717DT



718TL



718TL-BE

Specify handing
Escutcheon: 8 1/8" x 1 7/8"
Projection: 2 1/4"
All Delta pulls: 6 1/4" C x C
NL and DT: 14 1/16" x 2 1/4"

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.



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FALCON 24-C EXIT DEVICE

TRIM CHART AND FINISH

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.

	Color	US number	BHMA number
	Brass, bright	US3	605
	Brass, satin	US4	606
	Bronze, satin	US10	612
	Bronze, aged	US11	643e*
	Nickel, satin	US15	619*
	Black, matte	US19	622*
	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

*Available on select devices and trims












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FALCON 24-C EXIT DEVICE

TRIM CHART AND FINISH

Functions (ANSI)	Rim devices ANSI type 4 (F)-24-R	Vertical rod devices ANSI type 5 (F)- 24-V	Concealed vertical rod devices ANSI type 6 (F)-24-C
<p>EO (01) Exit only, no trim.</p>	 24-R-EO	 24-V-EO	 24-C-EO
<p>DT (02) Entrance by trim when actuating bar is locked down. Note: Fire exit devices cannot be dogged down. Some codes permit electric dogging with fail secure circuitry.</p>	 24-R-DT	 24-V-DT	 24-C-DT
<p>NL (03) Entrance by trim when latchbolt is retracted by key. Key removable only when locked.</p>	 24-R-NL	 24-V-NL	 24-C-NL





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FALCON 24-C EXIT DEVICE

TRIM CHART AND FINISH

**Rim devices
ANSI type 4**

**Vertical rod
devices
ANSI type 5**

**Concealed vertical
rod devices
ANSI type 6**

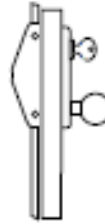
(F)-24-R

(F)- 24-V

(F)-24-C

L or K (08)

Entrance
by knob or lever. Key
locks or unlocks knob.



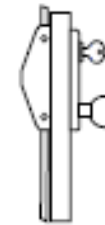
24-R-L or K

24-V-L or K

24-C-L or K

L (NL) or K (NL) (09)

Entrance by knob or lever
only when released by
key. Key removable
only when locked.



24-R-L or K(NL)

24-V-L or K(NL)

24-C-L or K(NL)



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FALCON 24-C EXIT DEVICE

TRIM CHART AND FINISH

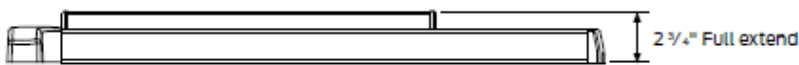
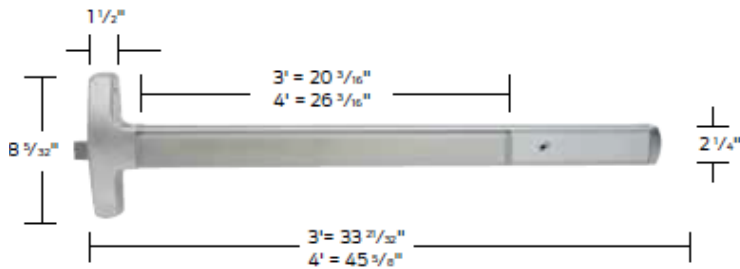
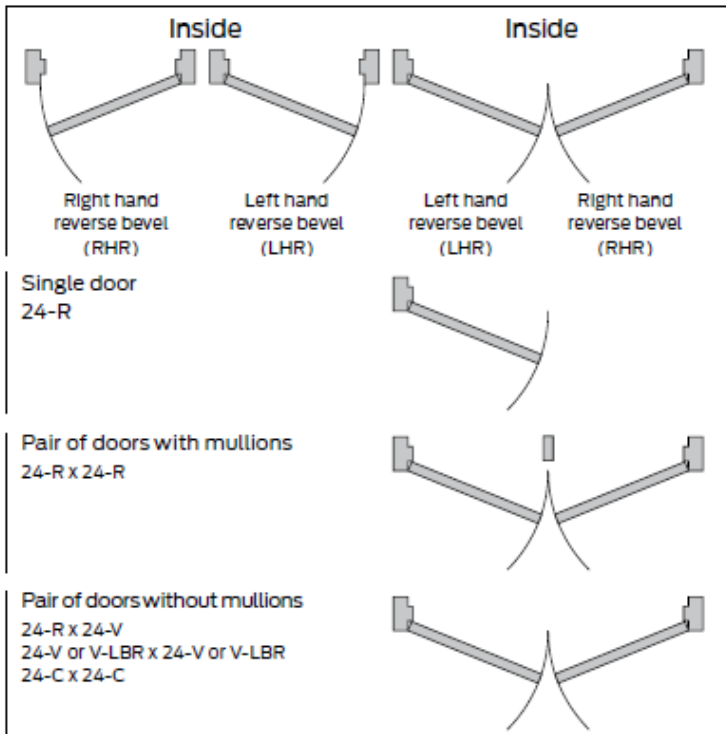
Label doors

Falcon models F-24-R, F-24-C and F-24-V are labeled for use as fire exit hardware.

Door thickness

All devices and components supplied for 1 3/4" – 3'0" x 7'0" doors standard. Specify door thickness if other than 1 3/4".

Door application chart



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