
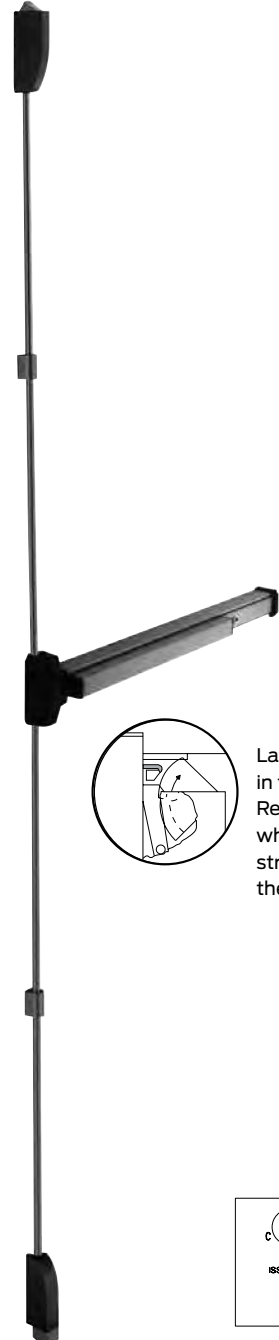


# F-19-V Series non-handed vertical rod device

## 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.

 3788  
Strike



Latch retention hold is in the top latch. Retainer is released when it engages the strike. The door is in the closed position.



 2130  
Strike

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

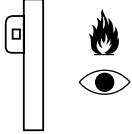
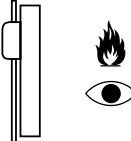
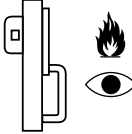
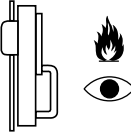
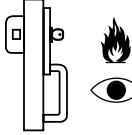
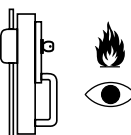
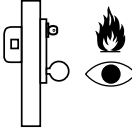
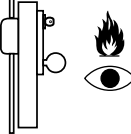
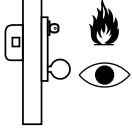
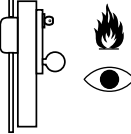
Note: For blank escutcheon specify BE.

## 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. 2130 strike is mortised into floor.
Latchbolt:	Top stainless steel $\frac{3}{4}$ " throw. Bottom square bolt $\frac{1}{2}$ " throw.
Deadlocking latchbolt:	Standard.
Stock sizes:	3' for doors from 2'5" up to 3'. 4' for doors from 3' up to 4'.
Doors:	$1\frac{3}{4}$ " thick, wood or metal. Specify if other than $1\frac{3}{4}$ " thick.
Projection:	2 $\frac{1}{2}$ " maximum.
Fasteners:	All mounting screws are concealed. All machine screws standard.
Sex bolts:	3-#4122 ( $\frac{1}{4}$ "-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 $\frac{5}{16}$ " 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; $\frac{1}{4}$ " thick specify SK-19-V- $\frac{1}{4}$ ".
161 cutout:	Device covers 161 cutout with KIK/KIL and Centron trims. Other trim requires cover plate.

# Type and functions

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

	Rim devices ANSI type 1 and 4.	Vertical rod devices ANSI type 2 and 5.
Functions (ANSI)	(F)-19-R	(F)-19-V
<b>EO or N (01)</b> Exit only, no trim.	 <b>19-R-EO</b>	 <b>19-V-EO</b>
<b>DT (02)</b> Entrance by trim when actuating bar is dogged down.*	 <b>19-R-DT</b>	 <b>19-V-DT</b>
<b>NL (03)</b> Entrance by trim when latchbolt is retracted by key. Key removable only when locked.	 <b>19-R-NL</b>	 <b>19-V-NL</b>
<b>K or L or KIL (08)</b> Entrance by knob or lever. Key locks or unlocks knob.	 <b>19-R-K or L or KIK or KIL</b>	 <b>19-V-K or L or KIK or KIL</b>
<b>K(NL) or L(NL) (09) or KIL (NL)</b> Entrance by knob or lever only when released by key. Key removable only when locked.	 <b>19-R-K (NL) or L(NL) or KIK(NL) or KIL(NL)</b>	 <b>19-V-K (NL) or L(NL) or KIK(NL) or KIL(NL)</b>



Fire exit hardware

Use "F" prefix for fire exit hardware.



Security monitor



Electric function

\*Latch, device, and authorize degress monitors. (See electrified hardware catalog.)

\*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	3 1/2"	2'5 1/4" to 3'0"
		565	1 3/4"*	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	3 1/4"	3'0" to 4'0"
		565	1 3/4"*	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" minimum stile required for control trim.

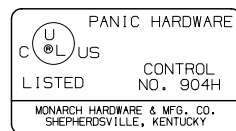
## Dimensions:

- 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	—

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



# Door applications

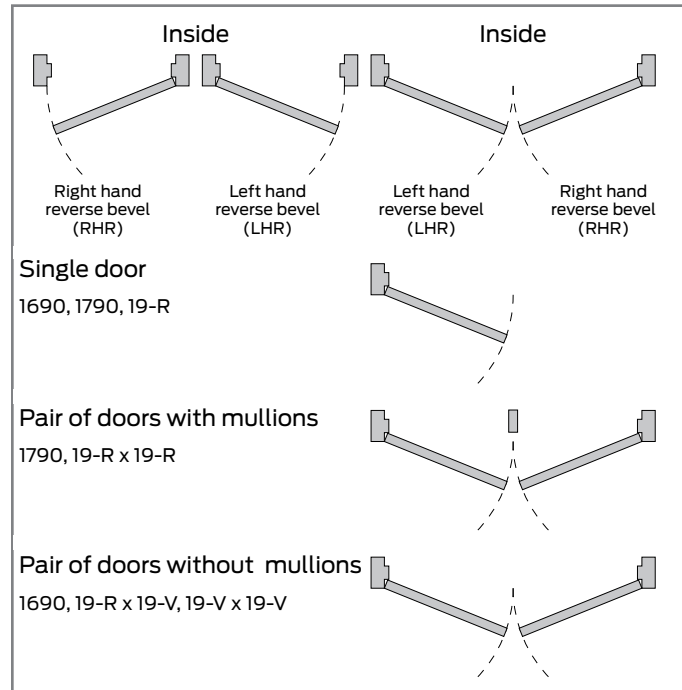
## Door thickness

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.

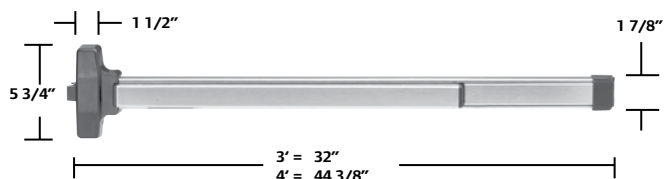
U.S. standard	BHMA	Description
US28	628	Anodized aluminum – clear
DC13	710	Anodized aluminium – dark bronze
DC35	711	Anodized aluminum – black
P28	689	Painted aluminum – silver
P13	695	Painted aluminum – dark bronze
P35	622	Painted aluminum – black
US3	666	Bright brass
US4	667	Satin brass
US9	705	Bright bronze
US10	668	Satin bronze
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
<b>Hollow metal door</b>			
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 1/2 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
<b>Wood door</b>			
F-19-V-LBR	20 min.	8' x 8'	Wood or comp., pair, double egress, same egress
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

## 19 Device dimensions:



# 19 Series

		F	19	V	L-DANE	US32D	3'	L	HR	LBR	SNB	WD
<b>Prefixes</b>												
CD	Cylinder dogging											
KOR	Key bypass switch											
<b>Rating</b>												
F	Fire exit hardware											
Blank	Panic exit hardware											
<b>Device Series</b>												
19	Touch bar device, narrow stile											
<b>Device Type</b>												
R	Rim											
V	Surface vertical rod											
<b>Trim Function</b>	(see Trim pages for all functions)											
EO	Exit only											
DT	Dummy trim											
NL	Night latch											
C	Cylinder trim less pull											
		K										
		L										
		TL										
		KIL										
<b>Finish</b>												
US32D												
SP28												
SP313												
<b>Door Width</b>												
3'	Standard default											
4'												
—	Specify exact door width											
<b>Handing</b>												
RHR	Right hand reverse											
LHR	Left hand reverse											
<b>Less bottom rod</b>												
LBR	Less bottom rod											
LBR-AFL	LBR w/auxiliary fire latch											
<b>Other device options</b>												
RBB	Round bottom bolt											
SSTB	Stainless steel touch bar											
VRP	Black pad on touch bar											
TAC	Tactile warning											
<b>Accessories</b>												
CYL	Cylinder											
SNB	Sex bolts											
SK	Shim kit											
AMS	All machine screws											
<b>Other miscellaneous door information</b>												
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											