

5000 & F5000 Rim Type Panic And Fire Exit Devices 5060V & F5060V Vertical Rod Panic And Fire Exit Devices ANSI A156.3, Grade 2

CONFIGURATION	MAX FRAME DIMENSIONS	LOCK TYPE	DESIGN PRESSURE (PSF) IN SWING/OUT SWING	
			POSITIVE	NEGATIVE
SINGLE	40" X 88"	5000V SERIES 5000 SERIES	+70.0	-70.0
DOUBLE	76" x 88"	5000V SERIES	+70.0	-70.0



Features & Construction

- ◆ ANSI A156.3, Grade 2 heavy duty exit device in surface vertical rod and rim designs
- ◆ UL Listed for Panic and ULC10C, UBC 7-2-1997 codes
- ◆ UL Listed for Fire Exit Hardware. 3 hours
- ◆ Conforms and Meets ADA Regulations
- ◆ (A) label rating on pairs of doors up to 8'0" x 8'0" swinging in same or opposite directions
- ◆ Uncompromising security and safety in single and double fire exit doors
- ◆ Chassis mounted unit construction.
- ◆ Available in standard functions. Lever and knob trims are grade 2 construction with optional clutch freewheeling mechanism. Rose covers 161 cut out

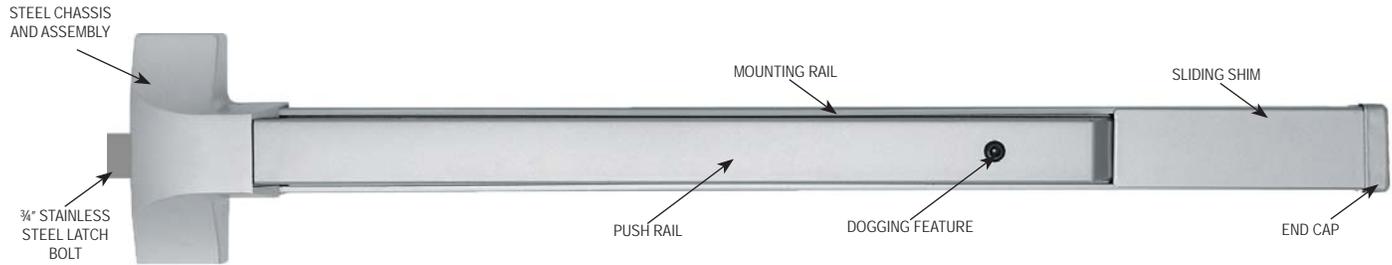
Suggested Architect's Specifications

- ◆ All exit devices shall be of touch bar design with smooth operation and be operative over 2/3 of the door's clear opening width
- ◆ All exit devices must be listed under "Panic Hardware" in the Accident Equipment List of Underwriters' Laboratories, Inc. Where labeled doors are used as exits, they must be equipped with labeled Fire Exit Hardware and ULC10C, UBC 7-2-1997 codes
- ◆ All exit devices shall be of chassis mounted unit construction



5000 & F5000 Series

GRADE 2 Rim Type Exit Device

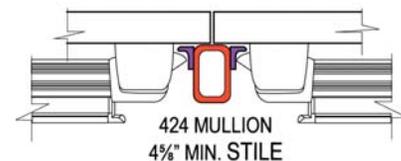
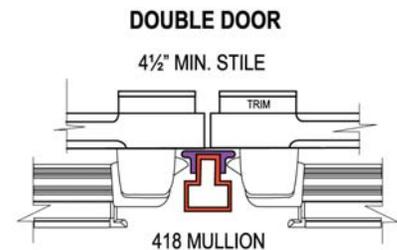


Specifications

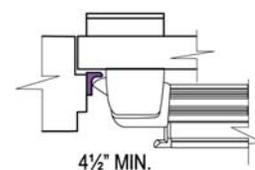
For Doors.....	1 3/4" thick standard 3 3/4" minimum stile width required for single or double door application using standard 938 strike and pull or lever trims
Chassis.....	Steel (Panic Grade), steel (Fire Grade)
Cover.....	Covers stock hollow metal doors with 161-cutout
Mounting.....	Furnished standard with wood and machine screws. Available with thru bolts on request. Thru bolts are standard packaging on fire rated devices
End Cap.....	Steel construction
Hand.....	Non-handed, center hub
Latch Bolt.....	Stainless steel 3/4" throw
Spring.....	Steel throughout
ANSI Standard.....	A156.3, Grade 2
Rail Assembly.....	Heavy gauge steel, painted
Strike.....	938 packed standard (See strike page)
Dogging Feature.....	Allen-type key furnished standard on non-fire labeled devices
Mullion.....	Available
UL and ULC Listed.....	5000 Series for panic. F5000 Series for fire exit hardware for all types of 3' x 7' single doors and 6' x 7' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
Finish.....	Aluminum (ALUM), Stainless Steel (US32D)



Minimum Stile Requirements
4" escutcheon trims and
4 1/2" for thimpiece and rose trims



SINGLE DOOR



DIMENSIONS

Touchbar height to finished floor 41" (1041mm) at center

Touchbar projection

Neutral	2 1/2" (64mm)
Depressed	1 3/4" (45mm)

MODEL	ACTUAL LENGTH	MAX CUT DOWN	DOOR SIZE
5000EO36 and F5000EO36	32"	6"	30" to 36" door width
5000EO48 and F5000EO48	39"	12"	31" to 48" door width

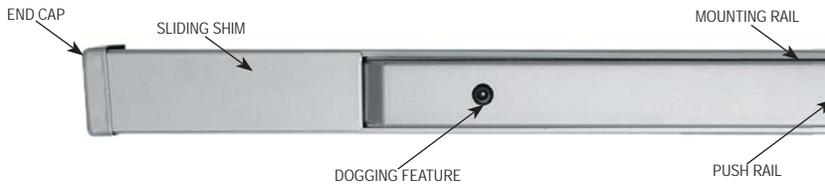
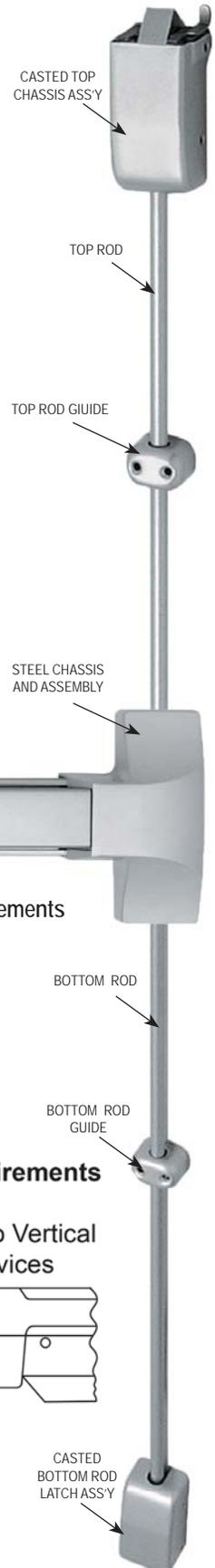
5060V & F5060V Series



GRADE 2 Vertical Rod Type Exit Device

Specifications

For Doors.....	1 3/4" thick standard. 3 3/4" minimum stile width required for single door application. 3 1/2" minimum stile width required for double door application. Lever and knob trims available
Chassis.....	Steel (Panic Grade), steel (Fire Grade)
Cover.....	Covers stock hollow metal doors with 161 cutout
Mounting.....	Furnished standard with wood and machine screws. Thrubolts are standard packaging on fire rated devices
End Cap.....	Steel construction
Hand.....	Non-Handed
Latch Bolt & Spring.....	Stainless steel
ANSI Standard.....	A156.3, Grade 2
Rail Assembly.....	Heavy gauge steel, painted
Strike.....	See strike page
Dogging Feature.....	5mm Allen-type key furnished standard on non-fire labeled devices
UL and ULC Listed.....	5000V Series for panic. F5000V Series for fire exit hardware for all types of 6' x 7' double doors for up to 3 hour fire labeled installations, conforms to standards UL10C and UBC 7-2-1997 codes
Finish.....	Aluminum (Alum), US32D Stainless Steel Architectural plated finishes
Door size.....	5000V3684 and F5000V3684 for 36" x 84" doors



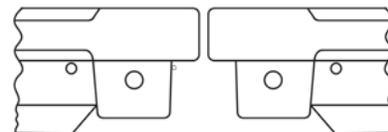
4 1/2" Minimum Stile Requirements

DIMENSIONS

Touchbar height to finished floor	41" (1041mm) at center		
Touchbar projection			
Neutral	2 1/2" (64mm)		
Depressed	1 3/4" (45mm)		
Panic grade top & bottom latch case	8 7/16" x 2 3/4" x 2 1/2" (205mm x 70mm x 63mm)		
Fire grade top latch case	3 15/16" x 2 11/16" x 2 1/16" (100mm x 68mm x 52mm)		
Fire grade bottom latch case	3 15/16" x 2 1/8" x 1 3/8" (100mm x 54mm x 35mm)		
Top and bottom rod length for 36" x 84" doors	Top rod 45" (1143mm), bottom rod 37 1/2" (953mm)		
Vertical rods	1/2" (13mm) Round tubing		
MODEL	ACTUAL LENGTH	MAX CUT DOWN	DOOR SIZE
5000V3684	32"	6"	30" to 36" door width
F5000V3684			

Minimum Stile Requirements

Double Door with Two Vertical Rod Type Exit Devices



3 1/2" Min. Stile

Trim Selection



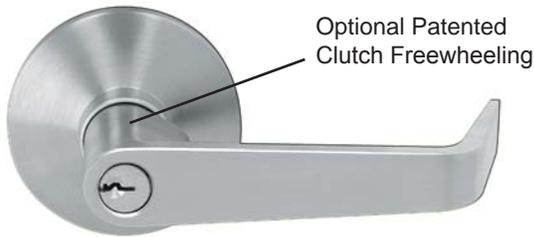
LEVER DESIGN

Non handed Grade 2 (Optional Clutch)

Tubular body hardened steel heavy duty tailpiece. For 1 3/4" doors. Available for fire and non-fire rated rim and vertical rod exit devices.

Rose diameter 3 1/2", lever length 4 3/4". Fits and covers 161 cutout.

Finishes: US26D, 10B, 3



KNOB DESIGN

Non handed Grade 2

Tubular body hardened steel heavy duty tailpiece. For 1 3/4" doors. Available for fire and non-fire rated rim and vertical rod exit devices.

Rose diameter 3 1/2". Fits and covers 161 cutout.

Finishes: US32D, 10B, 3



8000/L ENTRANCE
Key locks and unlocks lever.
Operates as classroom function.
ANSI Function - 08

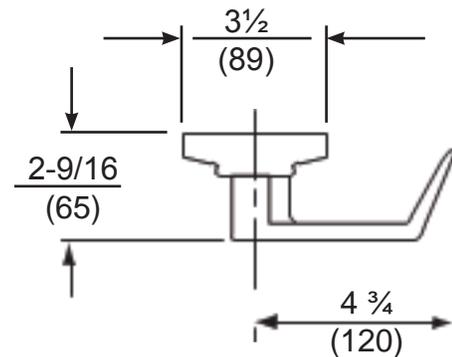
8000/K ENTRANCE
Key locks and unlocks lever.
Operates as classroom function.
ANSI Function - 08

CLU5000L CLUTCH FREE WHEELING (ENTRANCE)
Key locks and unlocks lever.
Operates as classroom function.
ANSI function - 08

8000/S STOREROOM
Key retracts latchbolt, otherwise always locked.
ANSI function - 04

8000/PAS PASSAGE
Lever always operable and free.
ANSI function - 15

8000/DUM DUMMY
Dummy trim. One sided.
ANSI function - 10



KEYWAY: 6 pin solid brass "C" keyway standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59/60, Sargent LA-LB-LC, Falcon/Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and **Cal-Royal HSK** High Security Cylinders.

Trim Selection



PULL DESIGN

FOR RIM DEVICES ONLY

Outside by pull and key.
Key retracts latchbolt.
ANSI function - 03
Covers 161 cutout.

FINISHES

Powder Coated Aluminum (ALUM)

5000NL



5000DTP



5000EOP



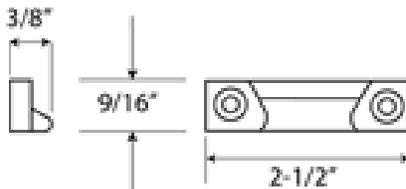
Outside by pull only.
Pull when dogged. ANSI
function - 02
Covers 161 cutout.

Outside by plate only.
ANSI function - 10
Covers 161 cutout.

Strikes & Accessories

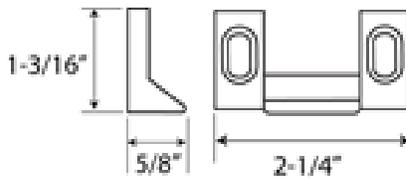
Strikes for use with 5000V vertical rod exit device

All strikes are black nylon coated



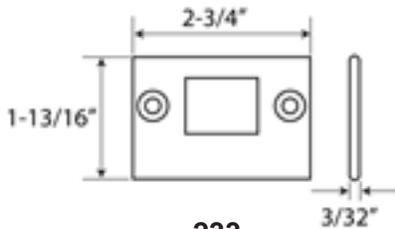
221

Standard for 5000V. Applied to surface of floor or to a flat threshold.
Standard packaging.



227

Applied to surface of stop. No mortise required. Standard packaging.



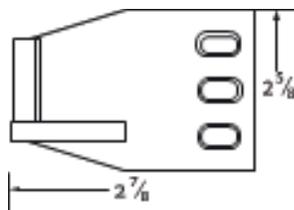
233

Bottom strike for F5000V.
Flush mounting stainless steel. Furnished with expansion shields.
Requires mortise in the floor. Standard packaging.

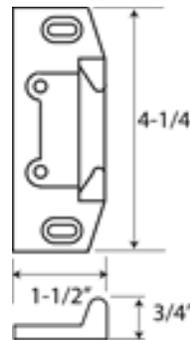
Overlapping Strikes

254

Surface applied. Used on inactive leaf for device on active leaf of pair of doors without mullion.

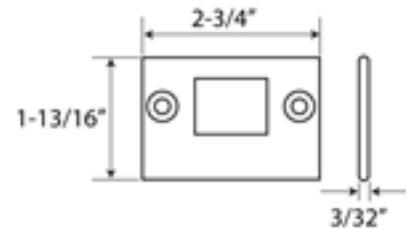


Strikes for use with F5000V vertical rod fire exit device



245

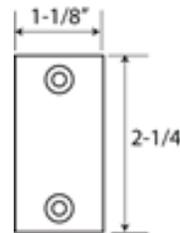
Surface applied for F5000V.
Standard packaging.



233

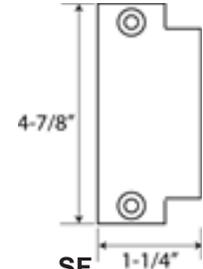
Bottom strike for F5000V. Flush mounting stainless steel. Furnished with expansion shields. Requires mortise in the floor. Standard packaging.

Additional Accessories



LFF

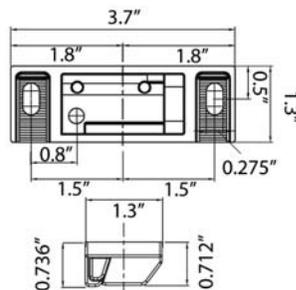
Lock front filler



SF

Strike filler

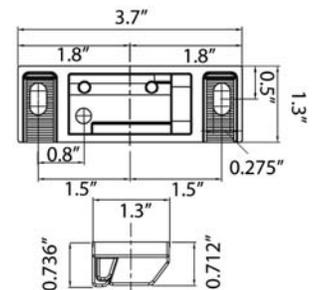
Strike for use with 5000 rim type exit device



938

For 5000 surface applied.
Standard packaging

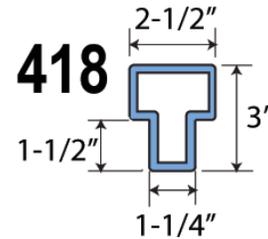
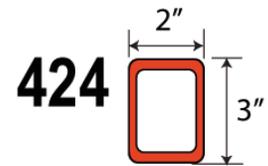
Strike for use with F5000 rim type fire exit device



938

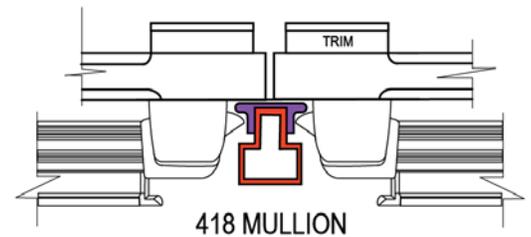
For F5000 surface applied.
Standard packaging.

Removable and Lockable Mullions

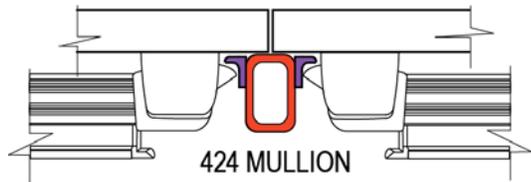


DOUBLE DOOR

4 1/2" MIN. STILE



4 7/8" MIN. STILE



MODEL #	DESCRIPTION
NON-FIRE RATED APPLICATIONS	
418	Removable mullion includes top and bottom retainer supplied as a stock 96" for non-fire rated applications.
FIRE-RATED APPLICATIONS	
424	Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings.
UL424	UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings.
LCKUL424	Lockable. UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Schlage C keyway.
ICLCKUL424	Lockable. UL-Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Interchangeable core locks will accept compatible 6 or 7 pin cores with BEST, FALCON and ARROW .
ICSCLCKUL424	Lockable. UL - Listed Fire Exit Mullion. 2" x 3" x 8' steel tubing round corner, iron construction with iron top and bottom retainers. To be used with two rim type devices on two independent active doors with full double door openings. Function available with Full size format, Schlage Interchangeable Core.

Fire Exit Hardware Selector



FIRE EXIT HARDWARE RATING			UL FIRE DOOR RATING
APPLICATION	MODEL #	MAXIMUM DOOR OPENING	(A) 3 HOUR
SINGLE DOORS Rim type	F5000EO36	3'0" X 7'0"	✓
PAIRS OF DOORS Two surface mounted standard vertical rod type	F5000V3684 X F5000V3684	6'0" X 7'2"	✓
	F5000V3684 X F5000V3684	6'0" X 7'2"	✓
PAIRS OF DOORS Two rim type with Mullion	F5000EO36	6'0" X 7'2"	✓

All fire rated exit devices in all applications, are also labeled for (B) 1 ½ hour, (C) ¾ hour, (D) 1 hour, (E) ¾ hour. All fire exit hardware meet UL10C and UBC 7-2-1997 codes.

HOW TO ORDER INFORMATION

Exit device model number

Panic grade

5000 E036 Rim type 36" door
5000 V3684 Vertical rod type 36" x 84"

Fire grade

F5000 E 036 Rim type 36" door
F5000 V3684 Vertical rod type 36" x 84"

- 1) Specify exit device model number according to size of door.
- 2) Specify trim selection.
- 3) Non-Handed
- 4) Specify finish:
Alum - Powder coated to match US26D
US32D Stainless Steel
- 5) On thru bolt applications, fire rated vertical rod devices are packed with thru bolts as standard feature. Thru bolts are also available for other devices. To order thru bolts add "SBN" to trim pack.

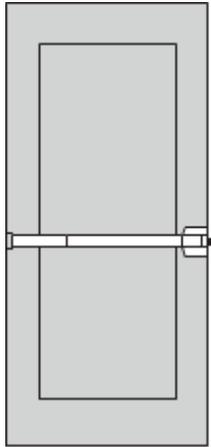
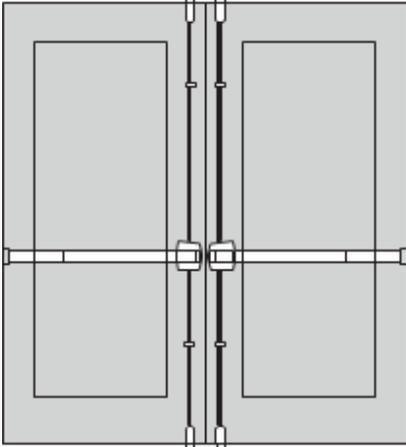
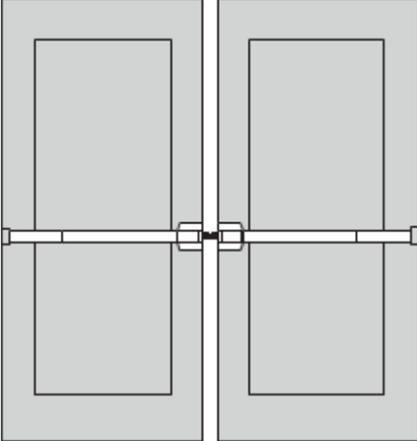
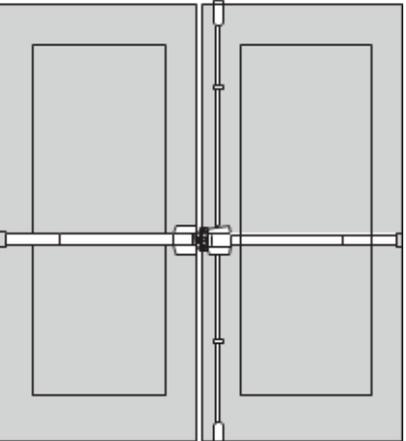
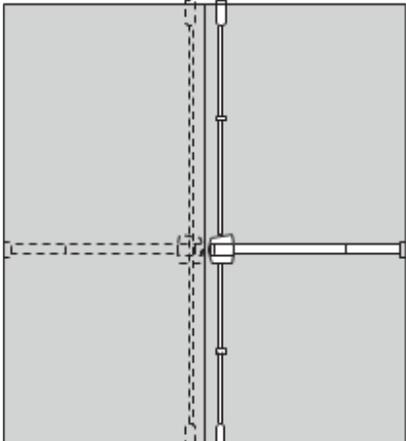
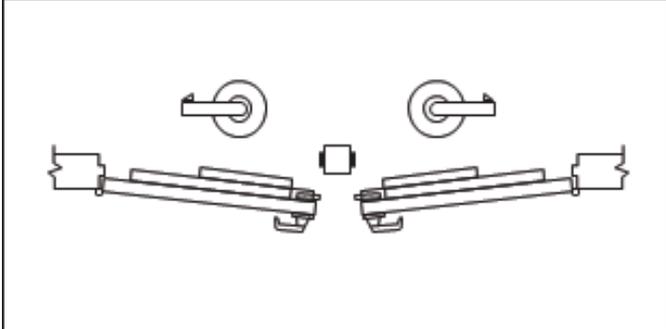
When ordering separately use following part#

Cal-Royal Part # 357 — Thru bolts for rim devices, 6 PCs / pack.
Cal-Royal Part # 369 — Thru bolts for vertical rod devices, 14 PCs / pack.

Ordering example: 5000E036 ALUM X 8000L 26D
5000V 3684 32D X CLU5000L 26D

5000 & F5000 Rim Type 5060V & F5060V Vertical Rod Fire and Non-Fire Exit Devices ANSI A156.3 Grade 1 Selector Chart



<p style="text-align: center;">SINGLE DOOR</p>  <p>Vertical rod type or Rim type Surface applied 2 point lock. Surface application.</p>	<p style="text-align: center;">PAIRS OF DOORS WITHOUT MULLION</p>  <p>2 Vertical rod type Surface applied 2 point locking both doors. Each door active same direction. Do not use with overlapping astragal.</p>
<p style="text-align: center;">PAIRS OF DOORS WITH MULLION</p>  <p>2 Rim type with mullion Two independent active doors with full double door openings when required. Same direction.</p>	<p style="text-align: center;">PAIRS OF DOORS WITHOUT MULLION</p>  <p>1 Vertical rod and 1 rim type Both devices are surface applied. A coordinator and overlapping strike is recommended.</p>
<p style="text-align: center;">PAIRS OF DOORS WITHOUT MULLION</p>  <p>2 Vertical rod type Double egress surface applied. 2 point locking both doors opposite directions.</p>	<p style="text-align: center;">HANDING</p>  <p style="text-align: center;">CAL-ROYAL PRODUCTS, INC. 6605 FLOTILLA ST, COMMERCE, CA 90040 U.S.A. TEL: (323) 888-6601 FAX: (323) 888-6699 Website: cal-royal.com • Email: sales@cal-royal.com</p>