

2000 Series

Narrow Head Exit Devices

Certified A156.3-2014 Grade 1



UL **US LISTED**
3SF4
PANIC HARDWARE
2100 SERIES
Conforms to ANSI/BHMA A156.3-2009 Grade 1
File #A-32966

klacci[®]
life unlocked.

Introduction

Comfortable in the knowledge that you have created a safer environment

Klacci, a registered brand of I-TEK Company, provides home and business owners with second to none lock products. As part of the world-renowned I-TEK Company, Klacci offers an extensive selection of mechanical, electrical and biometric locks that truly reflect the needs of modern lifestyle. Spanning both commercial and residential markets, Klacci's drive for design excellence and innovation is only matched by I-TEK's undeniable manufacturing quality which spans more than 5 decades.

Outreaching the most demanding requirements

Benefits from I-TEK's manufacturing expertise and experience, Klacci is one of the most prestigious brands in Grade 1 and Grade 2 locks that delivers integrated security solutions worldwide. This status is a major factor in Klacci's ability to provide wide range of products in variety of styles, finishes with choice of functions and applications to meet and outreach the most demanding requirements. You can therefore feel secure in knowing that you have the right product to meet any of your security or decorative needs.

Protecting your assets

Klacci takes a proactive approach to addressing commercial and residential security needs. With this in mind, Klacci has developed superior security products that will safeguard your family, home and business, hampering attacks by crowbars, lock-picking and kick-ins. Klacci products are being seen at high-end commercial buildings including government institutions, military bases, schools, airports and various kind of public buildings, where the most sense of security or design are needed.

The brand, the promise

"Once you have installed Klacci security products, you know that your business is secure, you will begin to feel at ease and put your worries aside - comfortable in the knowledge that you have created a safer environment at work". Behind the Klacci brand there is a great production team that designs, develops and manufactures locking systems and security devices with a quality of product second to none. This manufacturing excellence comes from more than 50 years of experience as one of Taiwan's largest and most prestigious lock manufacturers.

Klacci, leading the industry into the future

At present, Klacci is one of the few professional lock suppliers in Asia that can produce ANSI/BHMA Grade 1 & Grade 2 door locks that exports worldwide. Our products are extensively used in high-end commercial buildings that include government institutions, buildings in school districts and military bases, international airports, and various kinds of public buildings. The core values of Klacci are professional enhancement of its employees, continual improvement of its procedures, and product innovation that caters to customer needs and wants pertaining to Klacci products and services.



Introduction

Inspired innovations-customer solutions

We uphold our belief in innovation by continually revamping our products. In recent years, as part of efforts to satisfy different market demands from customers worldwide, Klacci has creatively integrated and inspired innovations so as to provide effective solutions to its customers. This has helped us hold hundreds of international and national patents. We keep asking ourselves about what we can do to cater to customer concerns. What other better products and services can we provide? Our engineers effectively manage task efficiency through software such as QCD and PROJECT, as well as enhancing the efficiency of new projects through TRIZ and QFD. In addition to developing the capabilities required for innovation, Klacci has redefined itself as an ODM from its traditional role as an OEM; through this shift, it aims to guarantee customer satisfaction to a greater degree. Furthermore, by providing advanced IT support in both hardware and software through design, PRO/E 3D drawing, simulation, prototyping, and testing, we can instantly meet our customers' requests. Our excellent product design capability has gained us our customers' trust and confidence for many years.

Changing with times

With the increase in product lines and material parts, Klacci has established itself as a leader in terms of ERP through which all data and resources are integrated into Klacci's unified database. Database integration helps us achieve rapid production and on-time delivery and ensures that we do not merely meet customer expectations but surpass them. Developing systematic plans to maintain a wide range of automatic machinery can help us accomplish the goal of zero breakdown management. Thus, we are able to effectively fulfill our customers' requirements.

What does KLACCI believe in?

Innovation, quality, security, sharing and speed are the major operational beliefs that Klacci adheres to. Klacci's operational business strategies revolve around procedure management and executive ability. Our vision is to become a total solutions provider that offers a complete range of products and services in accordance with customer demands in the commercial lock industry. With the impact of globalization, we are actively involved in innovation and change in order to continue competing in the architectural hardware industry until we achieve the highest level of quality. With the expansion of its plant, Klacci is ready to step into a new market era.





2000 Series Narrow Head Exit Devices





2000 Series Narrow Head Exit Devices and Trims are designed for new or retrofit installation into other manufacturers' devices. Push Bar assembly's smooth and reduced projection minimizes catch hazard. Device function is field selectable by adaptation with selected type of trim. A full complement of lever trim is available in wide range of architectural finishes. 2000 Series are made to comply with the highest safety and security standards in industry. Devices and trims are UL/cUL listed for Panic Hardware or Fire Hardware. They are certified to ANSI/UL305 and ANSI/BHMA A156.3-2014 Grade 1. 2000 Series provides superior durability for high impact applications such as offices, schools, banks, assisted living facilities and other institutions or commercial buildings.





Intertek
Total Quality Assurance

Certificate of Compliance

Presented to
I-Tek Metal Mfg., Ltd.

For compliance with Intertek Testing Services
Global Management System (IMS) 22
Laboratory audit for In-house testing to these standards

ACCREDITED TO ISO 9001 - American National Standard for the System of Standards for Quality Management Systems (ANSI Z39-1)
ACCREDITED TO ISO 14001 - American National Standard for the Environmental Management System (ANSI Z39-1)
ACCREDITED TO ISO 13528 - American National Standard for Statistical Methods for Interlaboratory Data (ANSI Z39-1)
ACCREDITED TO ISO 15428 - American National Standard for Statistical Methods for Interlaboratory Data (ANSI Z39-1)
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Signature
Date: 10/10/2012
Valid until: 10/10/2015

Signature
Date: 10/10/2012
Valid until: 10/10/2015



2000 Series

Narrow Head Exit Devices

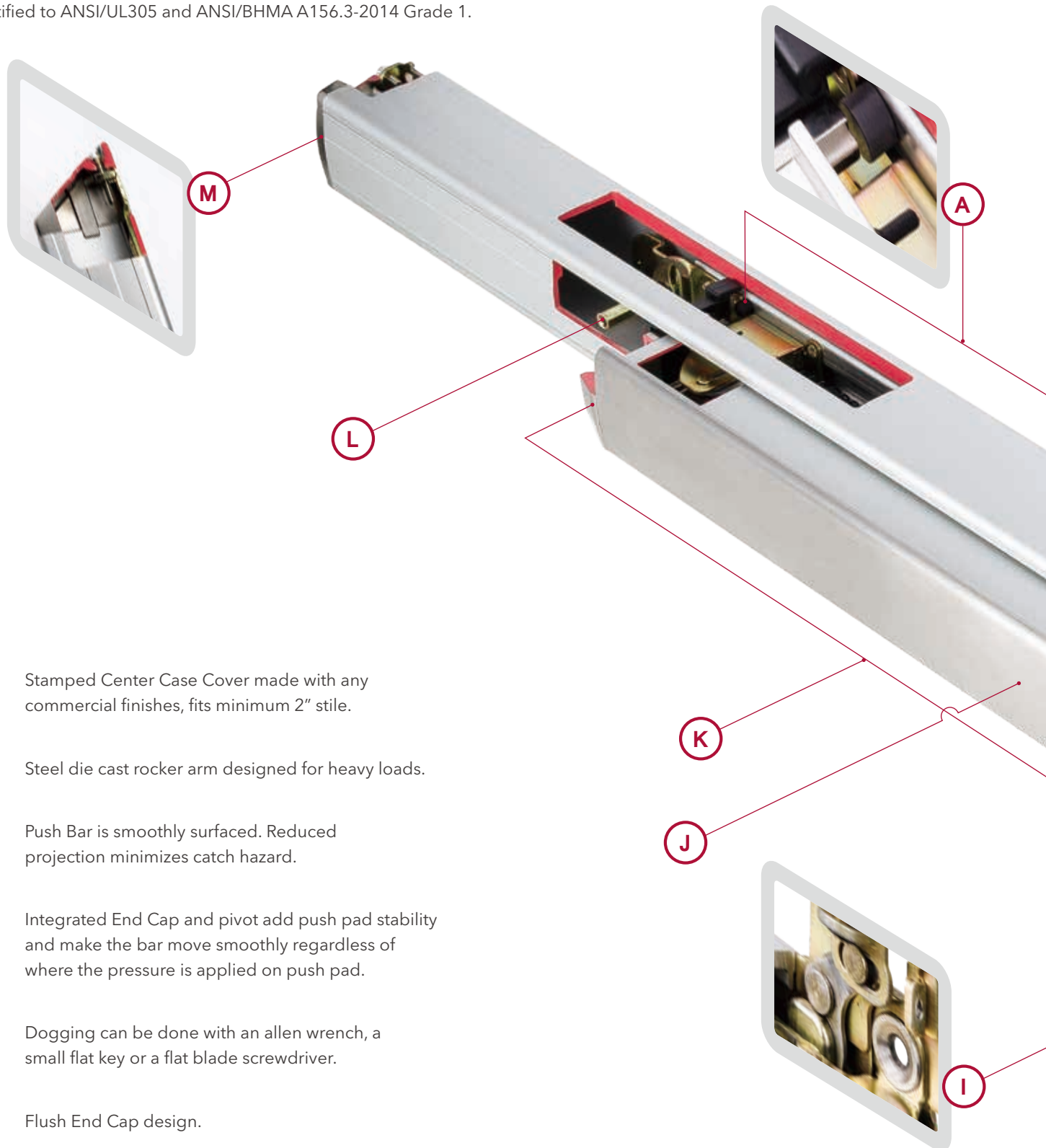
Contents

Introduction	1
2000 Series Narrow Head Exit Devices	5
Certificates	8
Features	11
General Overview	13
Dimensions	15
2100 / F2100 Narrow Head Rim Exit Devices--(RIM)	17
2200 / F2200 Narrow Head Surface Vertical Rod Devices--(SVR)	19
2300 / F2300 Narrow Head Concealed Vertical Rod Devices--(CVR)	21
2500 / F2500 Narrow Head Three-Point Latching Exit Devices--(3PT)	23
Trim Operation Options	25
Strikes	33
Cylinders	36
Dogging	37
Mullions	38
Miscellaneous	39
Electrical	41
Power Supply	47
Fire Door Applications and Listings	49
Typical Installation	50
How to Order	53

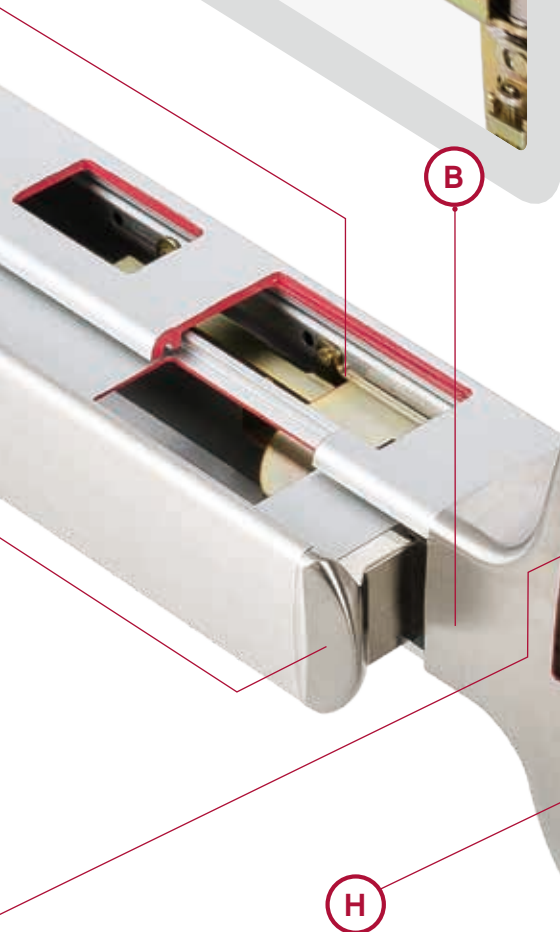
Features

The 2000 Series Narrow Head Exit Devices are fabricated and blended with simplicity, strength, durability, aesthetics and installer-friendly innovations.

- Devices and trims are designed for new or retrofit installation into other manufacturers' exit devices and trims.
- Made to comply with the highest safety and security standards in industry.
- UL/cUL listed for panic hardware or 3-hour fire rated exit hardware.
- Certified to ANSI/UL305 and ANSI/BHMA A156.3-2014 Grade 1.



- H** Stamped Center Case Cover made with any commercial finishes, fits minimum 2" stile.
- I** Steel die cast rocker arm designed for heavy loads.
- J** Push Bar is smoothly surfaced. Reduced projection minimizes catch hazard.
- K** Integrated End Cap and pivot add push pad stability and make the bar move smoothly regardless of where the pressure is applied on push pad.
- L** Dogging can be done with an allen wrench, a small flat key or a flat blade screwdriver.
- M** Flush End Cap design.



A

Special plastic inserts and rubber bumpers reduce noise and don't fail under high or low temperatures. Impervious to petroleum lubricants.

B

Detachable center case allows switching between mechanical and electrical options which replaces the need of buying two complete sets.

C

Center Case with maximum versatility, Surface and Concealed Vertical Rods can be adjusted inside the center case with an ingenious rod holder design.

D

Cross spindle offers additional strength.

E

Replaceable cam breaks at a predetermined load to prevent further damage of the trim mechanism. Handing change is simple and easy, just remove screw and cam from mechanism and rotate lever to desired position, then replace cam and fasten the screw.

F

Center Case mounting plate made of heavy gauge steel adding extra strength.

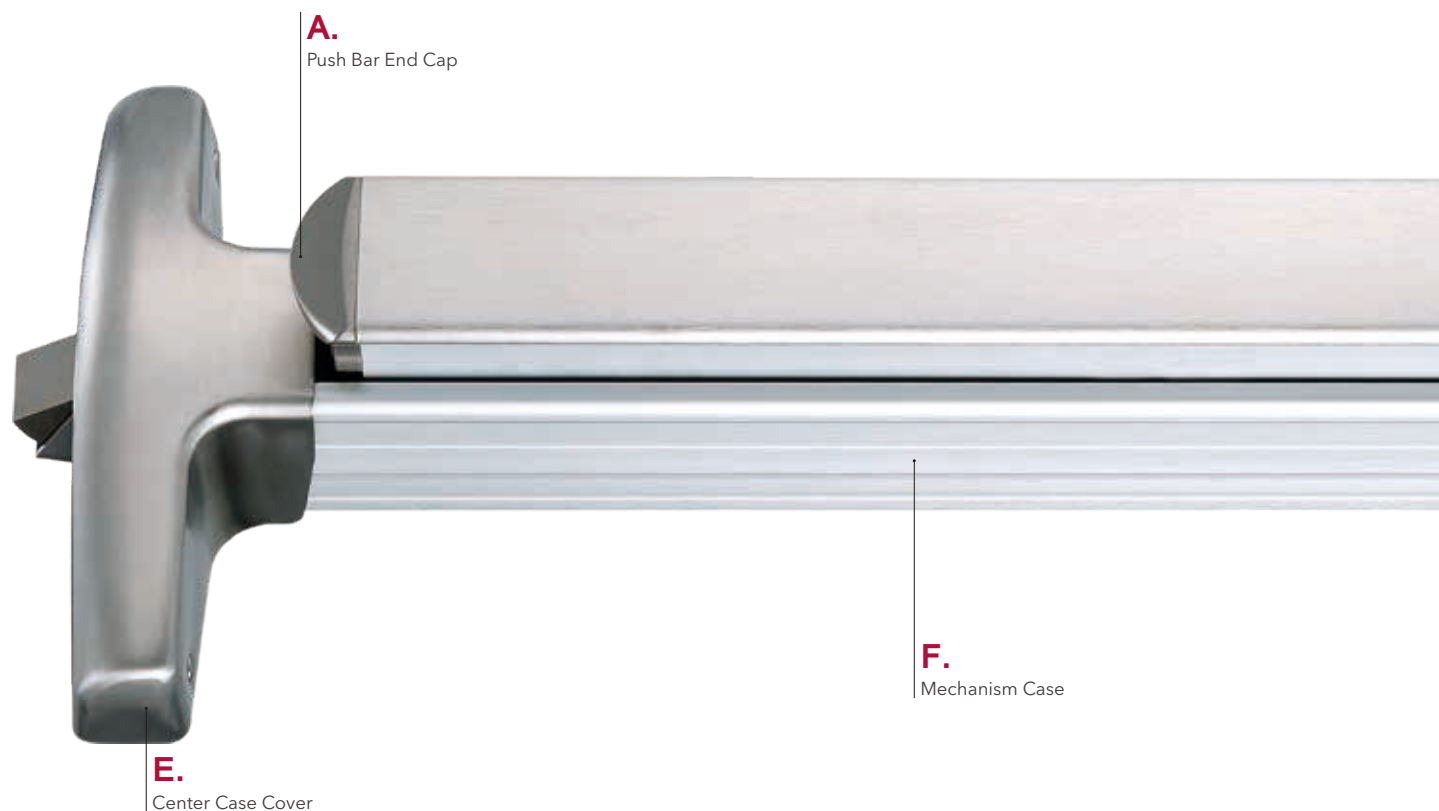
G

Stainless steel latch and deadlatching blade add perceived value.

General Overview

Device Material

2000 Series is furnished standard with grooved case. Smooth surface style is available. The two styles are mechanically and dimensionally identical and come with a wide selection of finishes.



Finishes

COLOR	ANSI/BHMA	US	B.E.G.	A.D.	C.F.H.
Polished Brass	605	3	Brass, Polished	Plated	Buffed Anodized
Satin Brass	606	4	Brass, Satin	Plated	Anodized
Polished Bronze	611	9	Bronze, Polished	Plated	Buffed Anodized
Satin Bronze	612	10	Bronze, Satin	Plated	Anodized
Dark Oxidized Satin Bronze	613	10B	Bronze, Satin; Dark Oxidized	Plated	Anodized
Polished Chrome	625	26	Brass, Polished & Plated	Plated	Buffed Anodized
Satin Chrome	626	26D	Brass, Satin & Plated	Plated	Anodized
Satin Stainless Steel	630	32D	St. Steel, Satin	Plated	Anodized

For other finishes please consult factory.

Push Bar Trim Options:

- Embossed "PUSH"
- Braille, embossed "CAUTION STAIRWELL"
- Red silk screen lettered "EMERGENCY EXIT ONLY - PUSH TO OPEN & SOUND ALARM"

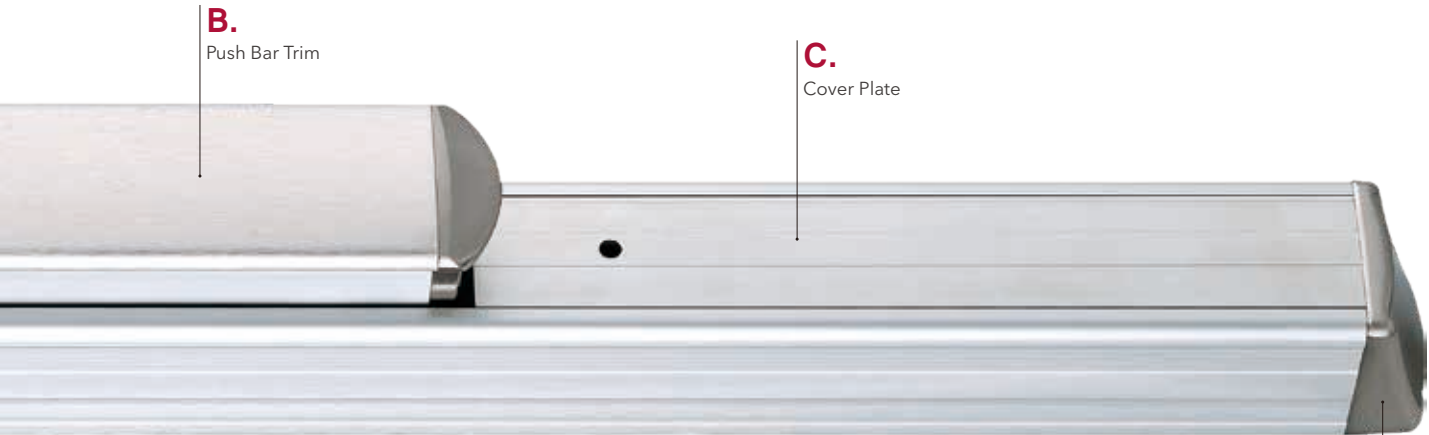
Mechanism Case Options



Smooth



Grooved



Optional for 2200,2500 (Not Shown)

G. Latch Cover for Surface Vertical Rods

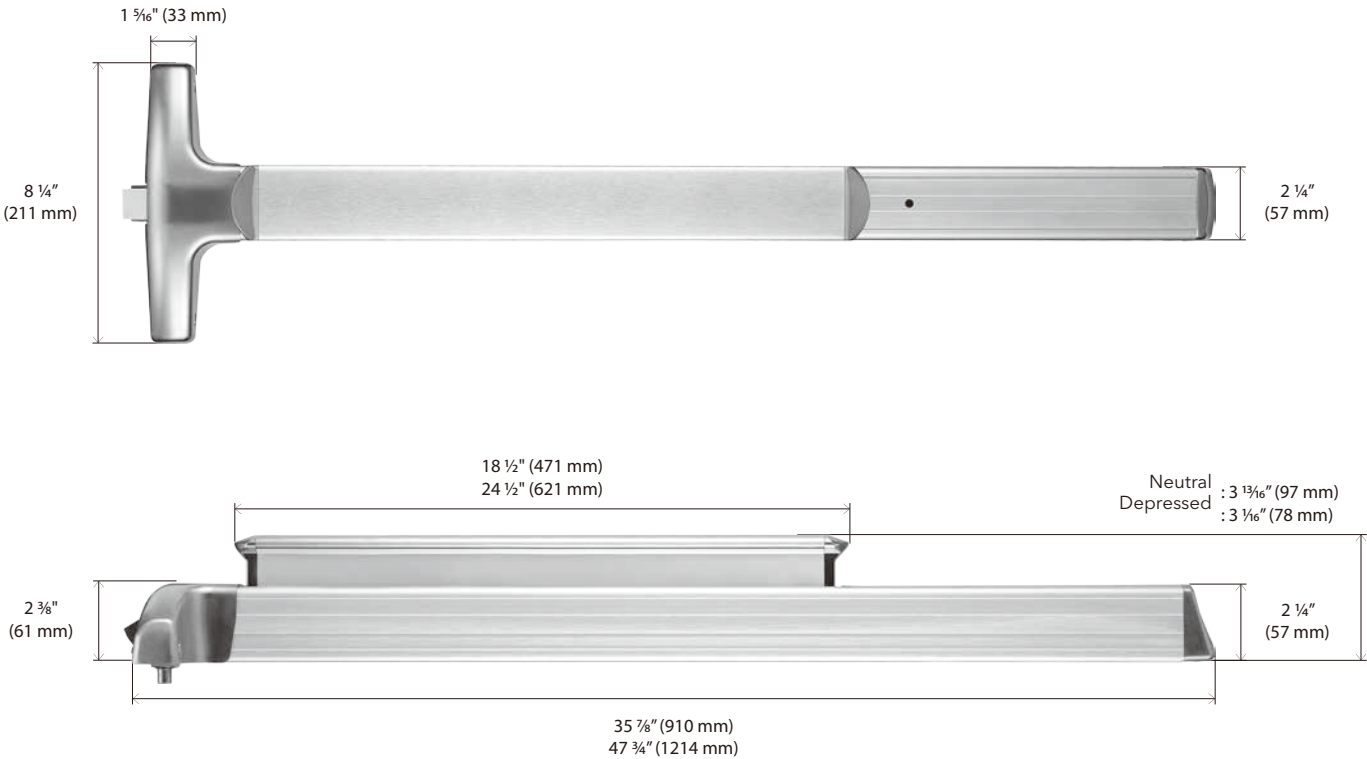
H. Vertical Rods

Functions

ANSI/BHMA Number	Operation	Trim Option		Cylinder Application	
		400 Series Pull Trim	500 Series Escutcheons	Rim Cyl.	Mortise Cyl.
01	Exit Only	401	N	N	N
02	Dummy Pull Only	402	502	N	N
03	Night Latch, Key Retracts Latchbolt	403R	503R	Y	N
08	Key Locks or Unlocks Latchbolt	N	508M	N	Y
09	Night Latch Key Retracts Latchbolt	N	509R	Y	N
11	Key Locks or Unlocks Latchbolt	N	511M	N	Y
12	Night Latch, Key Retracts Latchbolt	N	512R	Y	N
14	Lever Always Active, No Cylinder	N	514	N	N
16	Turn Always Active, No Cylinder	N	516	N	N

Note: Suffix R/M represent cylinder application type.

Dimensions



Fasteners/Sex bolts (SNB)



	Devices No.	Specification	Qty.
Without Trim	2100	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	2
	2200	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	6
	2300	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	2
With Trim	2500	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	6
	2100	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	4
	2200	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	4
	2300	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	4
	2500	1024 SNB (No. 10-24)	2
		4120 SNB (No. 1/4-20)	4

Furnished standard with machine screws. Specify sheet metal screws or wood screws when/if required. Specify Sex Bolts (SNB) where recommended or required by the door manufacturer.

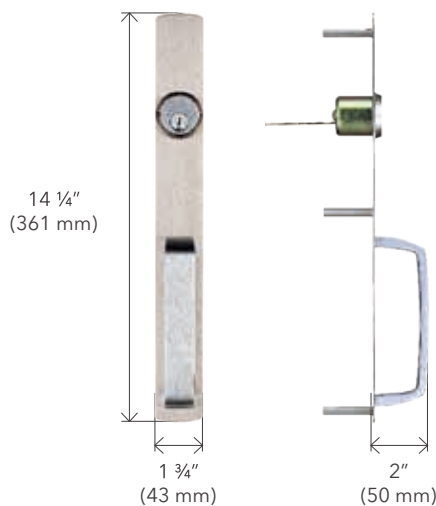
Sex Nuts and Bolts (SNB) are furnished with 1024 SNB (No. 10-24) for device or 4120 SNB (No. 1/4-20) for top rod latch and bottom rod latch.

Strike Application / Minimum Stile

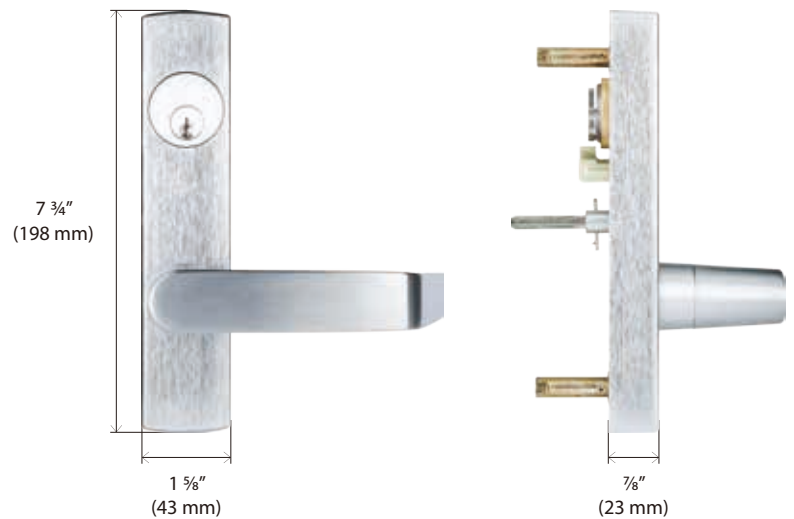
Device Type	Single door		Double door	
	Strike	Stile	Strike with Mullion	Stile
2100	103	2" (51mm)	103 x 170 mullion	3" (76.2mm)
	106*	2-7/8" (73mm)	106 x 170 mullion	3-5/8" (92mm)
2200	203 (Top) 227 (Bottom)	2" (51mm)	203 (Top) 227 (Bottom)	2-1/8" (54mm)
	106* (Top) 227 (Bottom)	2-5/16" (58.7mm)	106* (Top) 227 (Bottom)	2-5/16" (58.7mm)
2300	216 (Top) 227 (Bottom)	2" (51mm)	216 (Top) 227 (Bottom)	2-1/4" (57.2mm)
2500	103 (Middle) 203 (Top) 227 (Bottom)	2-5/16" (58.7mm)	103 x 170 mullion 203 (Top) 227 (Bottom)	3" (76.2mm)
	106* (Middle) 203 (Top) 227 (Bottom)	2-7/8" (73mm)	106* x 170 mullion 203 (Top) 227 (Bottom)	3-5/8" (92mm)
F2100	108	3" (76.2mm)	108 x F170 mullion	4" (101.4mm)
F2200	108 (Top) 227F (Bottom)	2-7/8" (73mm)	108 (Top) 227F (Bottom)	2-11/16" (68.2mm)
F2300	216 (Top) 227F (Bottom)	3-5/8" (92mm)	216 (Top) 227F (Bottom)	3-5/8" (92mm)
F2500	108 (Middle) 108 (Top) 227F (Bottom)	2-5/16" (58.7mm)	108 x F170 mullion 108 (Top) 227F (Bottom)	4-1/4" (108mm)

*Alternative option.

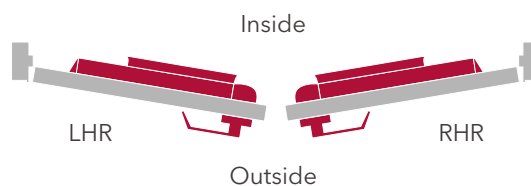
Pull Trim



Escutcheon



Handing of doors



2100 / F2100 Narrow Head Rim Exit Devices

RIM

Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.

Doors & Preparations

- For all types of single and double doors with/without a mullion. For mullions, see page 38.
- For new or retrofit installation into other manufacturers' devices.
- 1-3/4" to 2-1/4" thick, up to 4' wide opening; for thicker doors, consult factory.
- Furnished standard for 1-3/4" thick, 3' wide opening.
- For maximum door opening applications and listings for Fire Exit Devices, see page 49.



Specifications

Stile	<ul style="list-style-type: none"> Minimum width 2" (51mm).
Certification/Compliance	<ul style="list-style-type: none"> Panic devices UL/cUL listed for UL305 and ANSI/BHMA A156.3-2014 Grade 1 Panic Hardware. UL/cUL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA 80 Fire doors and windows. Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code.
Center Case	<ul style="list-style-type: none"> Universal center case, heavy wrought steel and sintered metal parts. Device functions are determined by adaptation with type of trim.
Strikes	<div> <div>Panic</div> <div>Fire</div> </div> <div> <div>P/N. 103/106 (roller type)</div> <div>P/N. 108 (roller type)</div> </div> <p>See page 16, 33.</p>
Dogging	<ul style="list-style-type: none"> NOT available on Fire Exit Hardware. Dogging options available for LD, CD, ED (ELR). See page 37. Flat/Hex key dogging standard.
Fasteners	<ul style="list-style-type: none"> Machine screws and wood screws are furnished standard.
Sex Bolts (SNB)	<ul style="list-style-type: none"> Required when used with wood, composite or non-reinforced hollow metal doors. For Exit Only device, specify 2-1024 SNB (No. 10-24) and 2-4120 SNB (No. 1/4-20). For device with trim, specify 2-1024 SNB (No. 10-24). <p>See page 15.</p>
Electrical Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"> AL Alarm Exit DE Delayed Egress Device ELR Electric Latch Retraction LM Latchbolt Monitoring RX Request to Exit SS Signal Switch <p>See page 41.</p>
Device Centerline from Finished Floor	<ul style="list-style-type: none"> 39-5/8" (1006mm).
Latchbolt	<ul style="list-style-type: none"> Stainless Steel, deadlocking, 3/4" (19mm) throw.
Handing	<ul style="list-style-type: none"> 500 Series Trim field reversible. Device non-handed. Specify handing for 400 Series trim when ordering.
Cylinders	<ul style="list-style-type: none"> NOT furnished standard, specify when required. For Cylinder details, see page 36.
Trim	<ul style="list-style-type: none"> The device and trim are sold separately, easy to mix and match, see page 25.



2200 / F2200 Narrow Head Surface Vertical Rod Devices

SVR

Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.

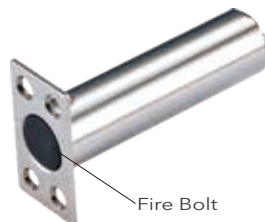
Doors & Preparations

- For all types of single and double doors.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished Standard for 1-3/4" thick, 3' wide opening and 7' high doors.
- For maximum door opening applications and listings for Fire Exit Devices, see page 49.



Specifications

Stile	<ul style="list-style-type: none"> Minimum width 2" (51mm). 						
Certification/Compliance	<ul style="list-style-type: none"> Panic devices UL/cUL listed for UL305 and ANSI/BHMA A156.3-2014 Grade 1 Panic Hardware. UL/cUL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA 80 Fire doors and windows. Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code. 						
Center Case	<ul style="list-style-type: none"> Heavy wrought steel assembly with top and bottom rod adjusters. Adjustment accessible through center case after installation. 						
Vertical Rods	<ul style="list-style-type: none"> 1/2" Square tubing, standard rods accommodate 7' (2134mm) door. Top rod length is 36-1/8" (916mm) Bottom rod length is 31-7/8" (807mm) standard. Top rod length 48-1/8" (1221mm) is available for 8' (2438mm) door. Extension rod available 24" (609mm) for doors ranging between 8' and 10' high. Specify when ordering. <p>For rod size, see page 39.</p>						
Top Latch Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw. 						
Bottom Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw. Round Slide Bolt optional. 						
Top & Bottom Latch Case	<ul style="list-style-type: none"> 4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm). 						
Door Undercut	<ul style="list-style-type: none"> 1/4" (6mm). 						
Strikes	<table> <tr> <td>Panic</td><td>Fire</td></tr> <tr> <td>Top: P/N. 203/106 (roller type)</td><td>Top: P/N. 108 (roller type)</td></tr> <tr> <td>Bottom: P/N. 227</td><td>Bottom: P/N. 227F</td></tr> </table> <p>See page 16, 33.</p>	Panic	Fire	Top: P/N. 203/106 (roller type)	Top: P/N. 108 (roller type)	Bottom: P/N. 227	Bottom: P/N. 227F
Panic	Fire						
Top: P/N. 203/106 (roller type)	Top: P/N. 108 (roller type)						
Bottom: P/N. 227	Bottom: P/N. 227F						
Dogging	<ul style="list-style-type: none"> NOT available on Fire Exit Hardware. Dogging options available for LD, CD, ED (ELR). See page 37. Flat/Hex key dogging standard. 						
Fasteners	<ul style="list-style-type: none"> Machine screws and wood screws are furnished standard. 						
Sex Bolts (SNB)	<ul style="list-style-type: none"> Required when used with wood, composite or non-reinforced hollow metal doors. <p>For Exit Only device, specify 2-1024 SNB (No. 10-24) and 6-4120 SNB (No. 1/4-20). For device with trim, specify 2-1024 SNB (No. 10-24) and 4-4120 SNB (No. 1/4-20).</p> <p>See page 15.</p>						
Electrical Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"> AL Alarm Exit DE Delayed Egress Device ELR Electric Latch Retraction LM Latchbolt Monitoring RX Request to Exit SS Signal Switch <p>See page 41.</p>						
Device Centerline from Finished Floor	<ul style="list-style-type: none"> 39-5/8" (1006mm). 						
Fire Bolt (LBR)	<ul style="list-style-type: none"> Available for door openings up to 8' wide x 10' high. Specify suffix "LBR". Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices. 						



Handing	<ul style="list-style-type: none"> 500 Series Trim field reversible. Device non-handed. Specify handing for 400 Series trim when ordering.
Cylinders	<ul style="list-style-type: none"> NOT furnished standard, specify when required. For Cylinder details, see page 36.
Trim	<ul style="list-style-type: none"> The device and trim are sold separately, easy to mix and match, see page 25.

CVR

2300 / F2300 Narrow Head Concealed Vertical Rod Devices

Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.

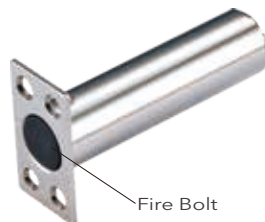
Doors & Preparations

- For all types of single and double doors.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished Standard for 1-3/4" thick, 3' wide opening and 7' high doors.
- For maximum door opening applications and listings for Fire Exit Devices, see page 49.



Specifications

Stile	<ul style="list-style-type: none"> Minimum width 2" (51mm). 						
Certification/Compliance	<ul style="list-style-type: none"> Panic devices UL/cUL listed for UL305 and ANSI/BHMA A156.3-2014 Grade 1 Panic Hardware. UL/cUL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA 80 Fire doors and windows. Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code. 						
Center Case	<ul style="list-style-type: none"> Heavy wrought steel assembly with top and bottom rod adjusters. Adjustment accessible through center case after installation. 						
Vertical Rods	<ul style="list-style-type: none"> 1/2" round tubing, standard rods accommodate 7' (2134mm) door. Top rod length is 37" (940mm) Bottom rod length is 31-3/4" (805mm) standard. Top rod length 49" (1245mm) is available for 8' (2438mm) door. Extension rod available 23-7/8" (605mm) for doors ranging between 8' and 10' high. Specify when ordering. <p>For rod size, see page 39.</p>						
Top Latch Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw. 						
Bottom Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw. Round Slide Bolt optional. 						
Top & Bottom Latch Case	<ul style="list-style-type: none"> 4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm). 						
Door Undercut	<ul style="list-style-type: none"> 1/4" (6mm). 						
Strikes	<table border="0"> <tr> <td>Panic</td><td>Fire</td></tr> <tr> <td>Top: P/N. 216</td><td>Top: P/N. 216</td></tr> <tr> <td>Bottom: P/N. 227</td><td>Bottom: P/N. 227F</td></tr> </table> <p>See page 16, 33.</p>	Panic	Fire	Top: P/N. 216	Top: P/N. 216	Bottom: P/N. 227	Bottom: P/N. 227F
Panic	Fire						
Top: P/N. 216	Top: P/N. 216						
Bottom: P/N. 227	Bottom: P/N. 227F						
Dogging	<ul style="list-style-type: none"> NOT available on Fire Exit Hardware. Dogging options available for LD, CD, ED (ELR). See page 37. Flat/Hex key dogging standard. 						
Fasteners	<ul style="list-style-type: none"> Machine screws and wood screws are furnished standard. 						
Sex Bolts (SNB)	<ul style="list-style-type: none"> Required when used with wood, composite or non-reinforced hollow metal doors. <p>For Exit Only device, specify 2-1024 SNB (No. 10-24) and 2-4120 SNB (No. 1/4-20). For device with trim, specify 2-1024 SNB (No. 10-24).</p> <p>See page 15.</p>						
Electrical Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"> AL Alarm Exit DE Delayed Egress Device ELR Electric Latch Retraction LM Latchbolt Monitoring RX Request to Exit SS Signal Switch <p>See page 41.</p>						
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Fire Bolt (LBR)	<ul style="list-style-type: none"> Available for door openings up to 8' wide x 10' high. Specify suffix "LBR". Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices. 						



Handing	<ul style="list-style-type: none"> 500 Series Trim field reversible. Device non-handed. Specify handing for 400 Series trim when ordering.
Cylinders	<ul style="list-style-type: none"> NOT furnished standard, specify when required. For Cylinder details, see page 36.
Trim	<ul style="list-style-type: none"> The device and trim are sold separately, easy to mix and match, see page 25.

2500 / F2500

Narrow Head Three-Point Latching Exit Devices

3PT

Applications

- Offices, schools, banks, assisted living facilities and other institutions or commercial buildings.

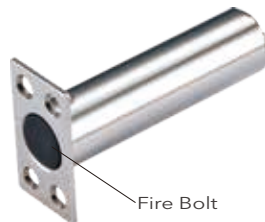
Doors & Preparations

- For all types of single and double doors with/without a mullion. For mullions, see page 38.
- For new or retrofit installation into other manufacturers' devices.
- For doors 1-3/4" to 2-1/4" thick, up to 4' wide opening and up to 10' high; for thicker doors, consult factory.
- Furnished Standard for 1-3/4" thick, 3' wide opening and 7' high doors.
- For maximum door opening applications and listings for Fire Exit Devices, see page 49.



Specifications

Stile	<ul style="list-style-type: none"> Minimum width 2-15/16" (58.7mm). 								
Certification/Compliance	<ul style="list-style-type: none"> Panic devices UL/cUL listed for UL305 and ANSI/BHMA A156.3-2014 Grade 1 Panic Hardware. UL/cUL Fire rated for 3-hour Fire Exit Hardware, conforms to UL10C and UBC7-2. Also complies with NFPA 80 Fire doors and windows. Exit devices, levers, trims and pulls comply with American Disability Act (ADA) and NFPA 101 life safety code. 								
Center Case	<ul style="list-style-type: none"> Heavy wrought steel assembly with top and bottom rod adjusters. Adjustment accessible through center case after installation. 								
Vertical Rods	<ul style="list-style-type: none"> 1/2" Square tubing, standard rods accommodate 7' (2134mm) door. Top rod length is 36-1/8" (916mm) Bottom rod length is 31-7/8" (807mm) standard. Top rod length 48-1/8" (1221mm) is available for 8' (2438mm) door. Extension rod available 24" (609mm) for doors ranging between 8' and 10' high. Specify when ordering. <p>For rod size, see page 39.</p>								
Top Latch Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, 5/8" (16mm) throw. 								
Bottom Bolt	<ul style="list-style-type: none"> Stainless Steel, Pullman type deadlocking, independent action 5/8" (16mm) throw. Round Slide Bolt optional. 								
Top & Bottom Latch Case	<ul style="list-style-type: none"> 4-1/2" x 2-1/8" x 1-1/2" (114mm x 54mm x 38mm). 								
Door Undercut	<ul style="list-style-type: none"> 1/4" (6mm). 								
Strikes	<table> <tr> <td>Panic</td><td>Fire</td></tr> <tr> <td>Top: P/N. 203/106 (roller type)</td><td>Top: P/N. 108 (roller type)</td></tr> <tr> <td>Middle: P/N. 103 (roller type)</td><td>Middle: P/N. 108 (roller type)</td></tr> <tr> <td>Bottom: P/N. 227</td><td>Bottom: P/N. 227F</td></tr> </table> <p>See page 16, 33.</p>	Panic	Fire	Top: P/N. 203/106 (roller type)	Top: P/N. 108 (roller type)	Middle: P/N. 103 (roller type)	Middle: P/N. 108 (roller type)	Bottom: P/N. 227	Bottom: P/N. 227F
Panic	Fire								
Top: P/N. 203/106 (roller type)	Top: P/N. 108 (roller type)								
Middle: P/N. 103 (roller type)	Middle: P/N. 108 (roller type)								
Bottom: P/N. 227	Bottom: P/N. 227F								
Dogging	<ul style="list-style-type: none"> NOT available on Fire Exit Hardware. Dogging options available for LD, CD, ED (ELR). See page 37. Flat/Hex key dogging standard. 								
Fasteners	<ul style="list-style-type: none"> Machine screws and wood screws are furnished standard. 								
Sex Bolts (SNB)	<ul style="list-style-type: none"> Required when used with wood, composite or non-reinforced hollow metal doors. <p>For Exit Only device, specify 2-1024 SNB (No. 10-24) and 6-4120 SNB (No. 1/4-20). For device with trim, specify 2-1024 SNB (No. 10-24) and 4-4120 SNB (No. 1/4-20).</p> <p>See page 15.</p>								
Electrical Functions	<p>Can be interfaced with building security systems:</p> <ul style="list-style-type: none"> AL Alarm Exit DE Delayed Egress Device ELR Electric Latch Retraction LM Latchbolt Monitoring RX Request to Exit SS Signal Switch <p>See page 41.</p>								
Device Centerline from Finished Floor	<ul style="list-style-type: none"> 39-5/8" (1006mm). 								
Fire Bolt (LBR)	<ul style="list-style-type: none"> Available for door openings up to 8' wide x 10' high. Specify suffix "LBR". Fire bolt is heat activated - used in less bottom rod (LBR) option for fire exit devices. 								



Handing	<ul style="list-style-type: none"> 500 Series Trim field reversible. Device non-handed. Specify handing for 400 Series trim when ordering.
Cylinders	<ul style="list-style-type: none"> NOT furnished standard, specify when required. For Cylinder details, see page 36.
Trim	<ul style="list-style-type: none"> The device and trim are sold separately, easy to mix and match, see page 25.

Trim Operation Options

400 Series Pull Trim



Plate



Pull Only



With Rim Cylinder

Features

- Trims are furnished with wrought plate and extruded or with cast solid grips.
- Trims are designed to retrofit into other manufacturers' devices.
- Trims are UL/cUL certified for ANSI/BHMA A156.3-2014 Grade 1 and 3-Hour Fire Rated.
- Trims are through bolted. ("GD" Grip furnished standard, unless specified). For Trim dimensions see page 16.
- Specify handing when ordering.

500 Series Escutcheon



Dummy Trim

Lever rigid for pull operation
(For 02 Function)



Blank Escutcheon

Lever always active
(For 14 Function)



Night Latch




Key Retracts latch bolt. Lever is rigid
(For 09, 12 Function)

Features

- Escutcheon and lever with sleek and seamless design produced by casting or forging.
- Trims are designed to retrofit into other manufacturers' devices.
- Handing field reversible.
- Trims are UL/cUL certified for ANSI/BHMA A156.3-2014 Grade 1 and 3-Hour Fire Rated.
- Specify lever or knob design. ("D" Lever furnished standard, unless specified). For Trim dimensions see page 16.

Trim Operation Options

400 Series Pull Trim

ANSI/BHMA	01	02	03
			
Operation	Exit Only	Dummy Pull Only	Night Latch, Key Retracts Latchbolt
Trim No.	401	402	403R
Device No.	2100	2100	2100
	2200	2200	2200
	2300	2300	2300
	2500	2500	2500
Cylinder Type			RIM
Specify Handing*	Y	Y	Y

*Specify handing (RHR/LHR)

Model 508 Operation Breakable Cam



Model 508



Key Locks or Unlocks
Lever
(For 08/11 Functions)

Model 508 Trim is composed of heavy duty investment cast steel. An internal breakable cam breaks away when a predetermined load is applied to the outside lever handle in locked mode without damaging the trim or compromising security. The cam is easily replaceable with minimum efforts.





The breakable cam is a replaceable part.

Lever / Grip Options

Pull Trim




Grip Options	
	
GD type Standard	GK type



Escutcheon

Lever Options	
	
D type Standard	Q type
	
A type	K type

Trim Operation Options




500 Series Escutcheon

ANSI/BHMA	02	03	08
			
Operation	Dummy Pull Only	Night Latch, Key Retracts Latchbolt	Key Locks or Unlocks Latchbolt
Trim No.	502	503R	508M
Device No.	2100	2100	2100
	2200	2200	2200
	2300	2300	2300
	2500	2500	2500
Cylinder Type		RIM	Mortise
Specify Handing	N	N	N

	09	14
		
	Night Latch Key Retracts Latchbolt	Lever Always Active, No Cylinder
	509R	514
	2100	2100
	2200	2200
	2300	2300
	2500	2500
	RIM	
	N	N

Trim Operation Options

500 Series Escutcheon

ANSI/BHMA	11	12	16
			
Operation	Key Locks or Unlocks Latchbolt	Night Latch Key Retracts Latchbolt	Turn Always Active, No Cylinder
Trim No.	511M	512R	516
Device No.	2100	2100	2100
	2200	2200	2200
	2300	2300	2300
	2500	2500	2500
Cylinder Type	Mortise	RIM	
Specify Handing	N	N	N

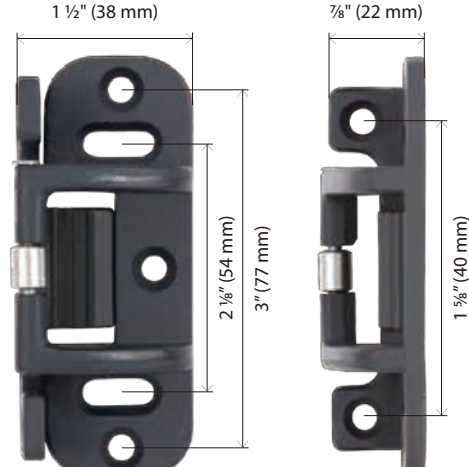
	11	16
		
	Key Locks or Unlocks Latchbolt	Turn Always Active, No Cylinder
	511P+402	516P+402
	2200	2200
	2300	2300
	Mortise	
	Y	Y

Strikes

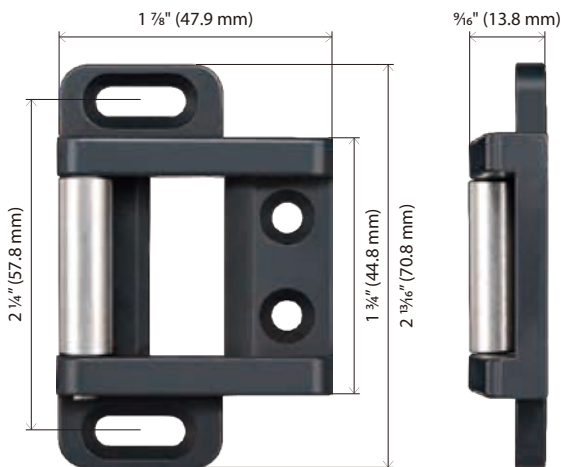
Rim Device



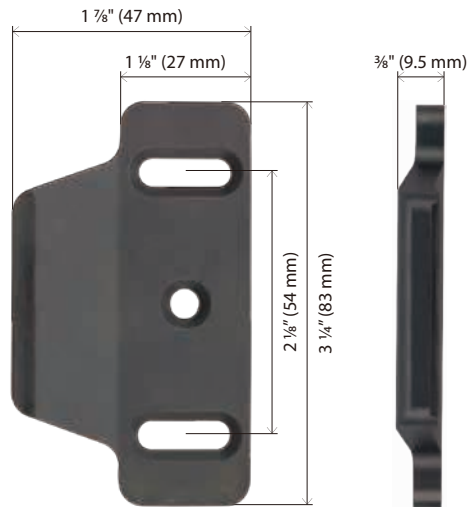
P/N. 106
Rim Strike
For RIM / SVR / 3PT top strike
P



P/N. 108
Rim Strike
For double door RIM / 3PT
use with F170/F270 mullion
P 🔥



P/N. 103
Rim Strike
For RIM / 3PT
P



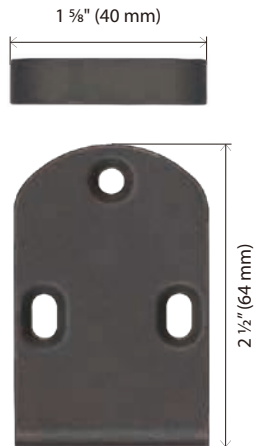
P/N. 136
Rim Strike
For double door RIM / SVR / CVR
combination with coordinator
P 🔥

P Panic Application

🔥 Fire Application

Vertical Rod (VR) Device

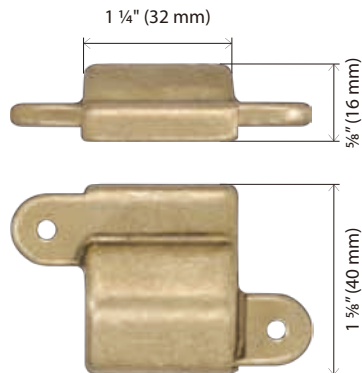
Top Strike



P/N. 215

Top Strike

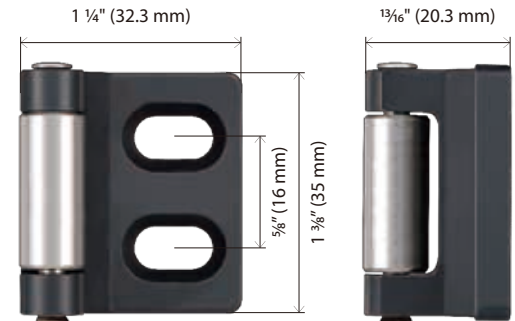
For flush transom
SVR / 3PT



P/N. 216

Top Strike

For CVR



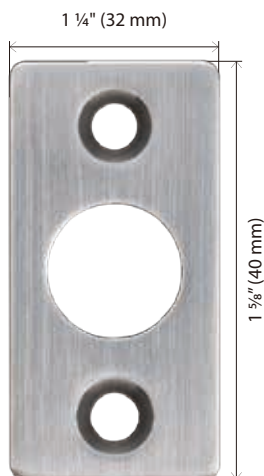
P/N. 203

Top Strike

For SVR / 3PT



Flat Bottom Strike



P/N. 225

Flat Bottom Strike

Optional for
SVR / CVR / 3PT
round slide bolt



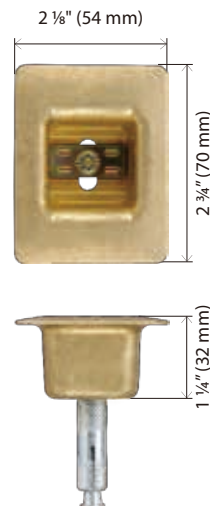
P/N. 226

Flat Bottom Strike

Optional for
SVR / CVR / 3PT
round slide bolt



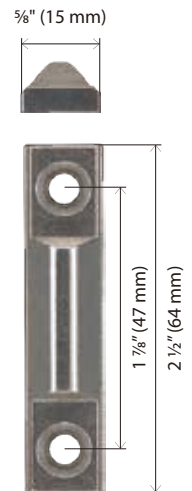
Bottom Strike



P/N. 227/227F

Bottom Strike

Furnished standard for
SVR / CVR / 3PT



P/N. 224

Bottom Strike

Optional for
SVR / 3PT



Strikes

Shim



P/N. 616819-010
For 106 Rim Strike
Two (2) pieces furnished standard



P/N. 616819-030
For 108 Rim Strike
Two (2) pieces furnished standard



P/N. 616819-050
For CVR top & bottom latches Strike
Sixteen (16) pieces furnished standard
for Top and Bottom latches. Eight (8)
pieces furnished standard for LBR





P/N. 618619-010
For 103 Rim strike
Two (2) pieces furnished standard



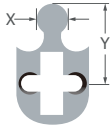
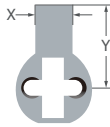
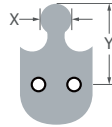
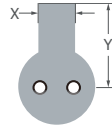
P/N. 618619-020
For 203 Strike
Two (2) pieces furnished standard

Cylinders

Cylinders are not furnished standard with the device or trim, specify when required. Schlage C keyway, 6-pin standard, available in 630 or 626 finish. Small format Interchangeable core combined/uncombined also available. Specify type and finish when ordering.

Cylinder Type	Applications	Trim	Cylinder	Cyl. Length (Part/No.)	Cylinder Cam
 I/C Standard Mortise Cylinder	08 / 11 for RIM/SVR/CVR/3PT	500	Standard	1-1/8" (441-102)	440-0704
			I/C	1-1/4" (442-601)	440-0708
	Cylinder Dogging	All Device	Standard	1-1/4" (441-103)	440-0702
			I/C	1-3/8" (442-701)	440-0706
 I/C Standard Rim Cylinder	03 for RIM/SVR/CVR/3PT (Must use with Cylinder Guard Part/No.611824-020)	400	Standard / I/C	Tailpiece Length 3-1/8" (79.6mm)	
	03 / 09 / 12 for RIM/SVR/CVR/3PT	500			

Cylinder Cam

Illustration				
Dimension	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)	X=1/4" (6mm) Y=5/8" (15mm)	X=3/8" (9.5mm) Y=3/4" (19mm)
Cam No.	440-0702	440-0704	440-0706	440-0708

Cylinder Guard

611824-020

For use on 403R

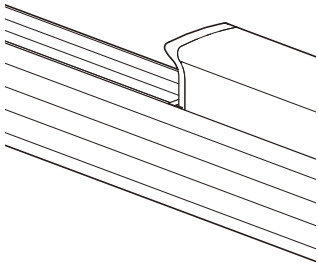


I/C Core

"A" keyway standard supplied. Specify 6 or 7 pin, combined or uncombined and finish 606 or 626 when ordering. Consult factory for other keyways.

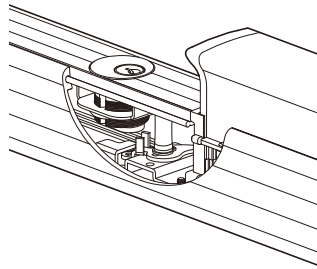


Dogging


LD

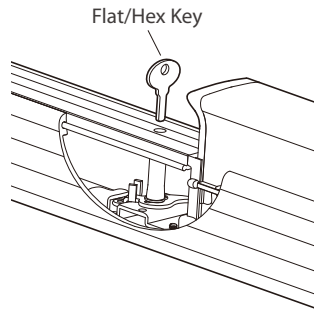
Less Dogging

Less dogging is available in all 2000 Series panic exit devices.

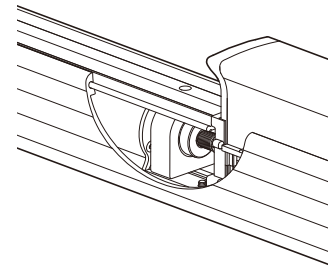

CD

Cylinder Dogging

Available for all models except for fire exit hardware. Cylinder dogging provides the ability to lock down the push bar with a key cylinder, allowing the door to be used in both push/pull mode. To order, specify "CD". Requires the use of a 1-1/4" (31.75mm) mortise cylinder (not furnished standard).

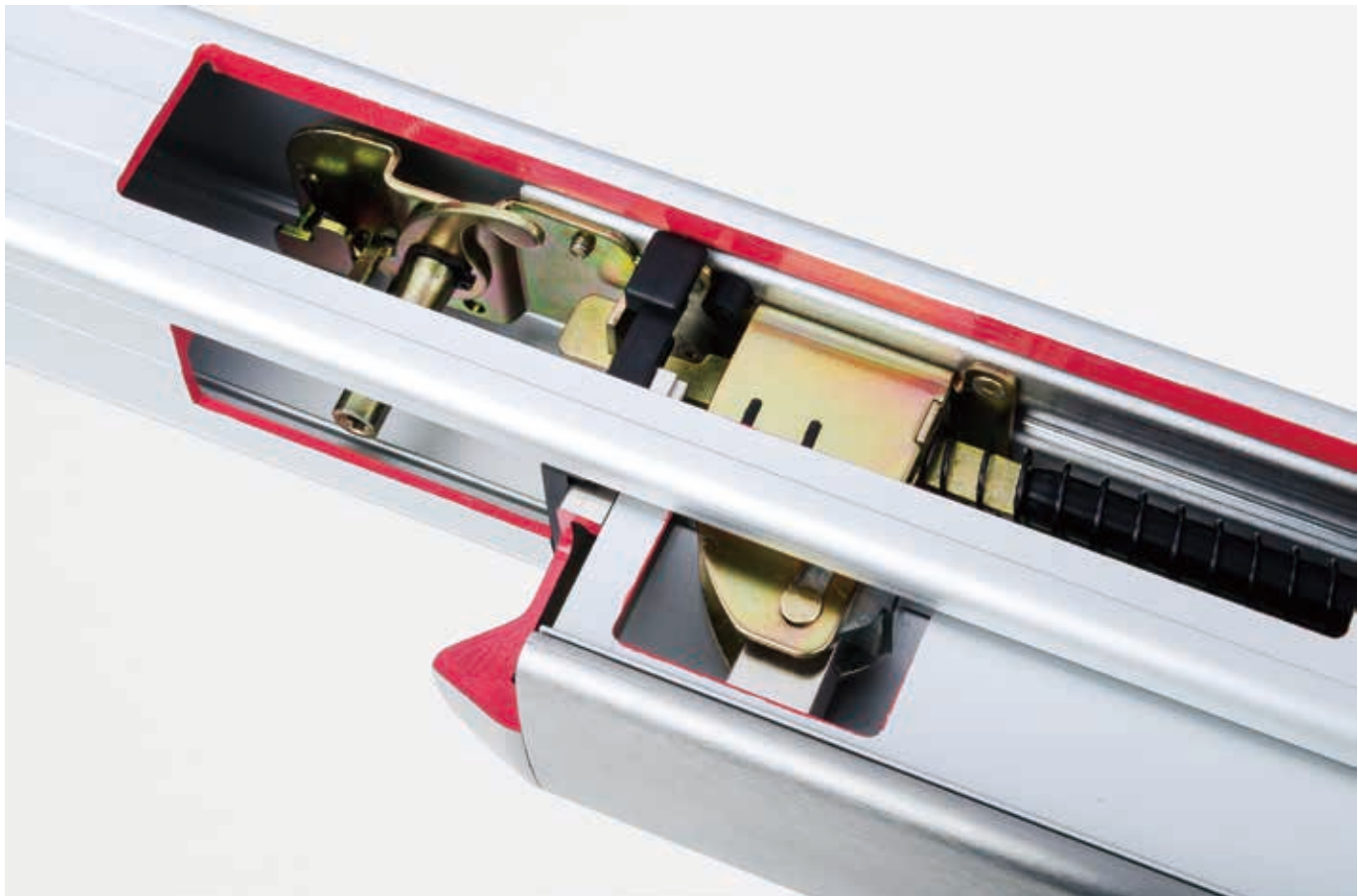

HKD

Flat/Hex Key Dogging


ED(ELR)

Electrical Dogging

For details, see page 41.

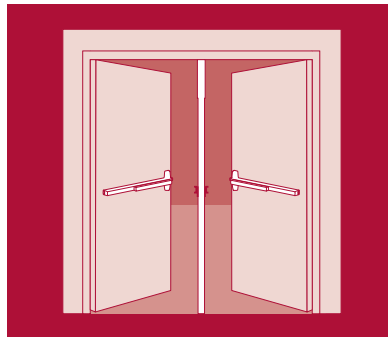


Mullions



A

B



Removable mullions are used with paired doors where a full width opening is only occasionally required. Doors are fitted with Rim exit devices and normally function as single doors. Available in 7', 8' or 10' (2134mm, 2438mm or 3048mm) lengths.

A

Model 170 / F170 Keyed Removable Mullion

Top and Bottom Fittings:

Investment cast steel, furnished with steel anchors for floors.

Mullion:

2" x 3" (50.8mm x 76.2mm) steel.

Stock size:

8' (2438mm) length standard, can be cut for opening less than 8' (2438mm).
10' (3048mm) length available upon request.

Finishes:

600, 689, 695.

UL Listed:

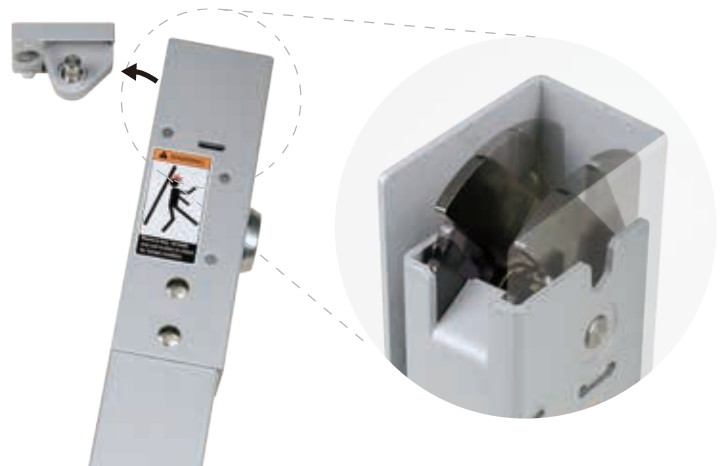
Listed for 3-hour Fire Rated Exit Hardware.

Cylinder:

Not furnished standard, keying is standard 1-1/8" (28.5mm) mortise cylinder with cam.
Specify with or without strikes when ordering.

The head design of 170/F170:

Provides a secure, quick and easy means of removal. The mullion can be installed and locked without using key.



B

Model 270 / F270 Non-Keyed Removable Mullion

Top and Bottom Fittings:

Investment cast steel, furnished with steel anchors for floors.

Mullion:

2" x 3" (50.8mm x 76.2mm) steel.

Stock size:

8' (2438mm) length standard, can be cut for opening less than 8' (2438mm).
10' (3048mm) length available upon request.

Finishes:

600, 689, 695.



UL Listed:

Listed for 3-hour Fire Rated Exit Hardware.

Specify with or without strikes when ordering.

Miscellaneous


Top Rod

Illustration	Device No.	Part No.	Rod Length	For Door Height
	2200 2500 (SVR/3PT)	616823-020	36-1/8" (916mm)	7'
		616823-030	48-1/8" (1221mm)	8'
		616823-030 Add 616823-040*	48-1/8" (1221mm) Add 24" (609mm)	10'
	2300 (CVR)	616823-070	37" (940mm)	7'
		616823-080	49" (1245mm)	8'
		616823-080 Add 616823-050*	49" (1245mm) Add 23-7/8" (605mm)	10'

* Extension Rod

Bottom Rod

For push bar location at 39-5/8" (1006mm) from finished floor.

Illustration	Device No.	Part No.	Rod Length
	2200 2500 (SVR/3PT)	616823-010	31-7/8" (807mm)
	2300 (CVR)	616823-060	31-3/4" (805mm)

Door Coordinators



Gravity Coordinator

CR-07 / CR-09

- The gravity coordinator is applied on pair doors to allow inactive door to close before active door.
- Nylon and rubber rollers provide quiet and efficient operation and help protect the doors from damage.
- Non-handed
- UL/cUL certified for ANSI/BHMA A156.3-2014 Grade 2 and 3-hour Fire Rated.
- Finishes: 613, 626.



Carry Open Bar

COB

- The carry open bar is applied on pair doors.
- When the inactive door is opened, the carry open bar provides the automatic opening of the active door as well.
- The carry open bar cannot be installed along with flush bolts.
- Non-handed
- Finishes: 613, 630.



Bar Coordinator

CR-32 / CR-42 / CR-52 / CR-60 / CR-72

- The bar coordinator is applied on pair doors to allow inactive door to close before active door.
- All bar coordinator units function easily. The active door lever, located nearest to the active stop, holds the active door open until the trigger mechanism is released by the closing of the inactive door.
- All bar coordinator units are equipped with an adjustable override feature which allows the active door to close first under extreme pressure.
- All bar coordinator units are compatible with flush bolts.
- Finishes: 628, 707, 711.



Dummy Push Bar

DP3 Active / DP4 Inactive

- The push bar is active or inactive. A push/pull operation can be accomplished by using an outside dummy trim.
- Size: 3' or 4' (914mm or 1219mm).
- Finishes: See page 13.

Electrical



ELR (Electrical Dogging)

Electric Latch Retraction

ELR provides the ability to remotely retract the latchbolt. Continuous duty solenoid can retract latchbolts under condition of unlatching or continually dogging. The ELR option can be applied with card readers, toggles or key switches, push buttons and fire alarm systems. PS100 power supply is required for the use of ELR option.

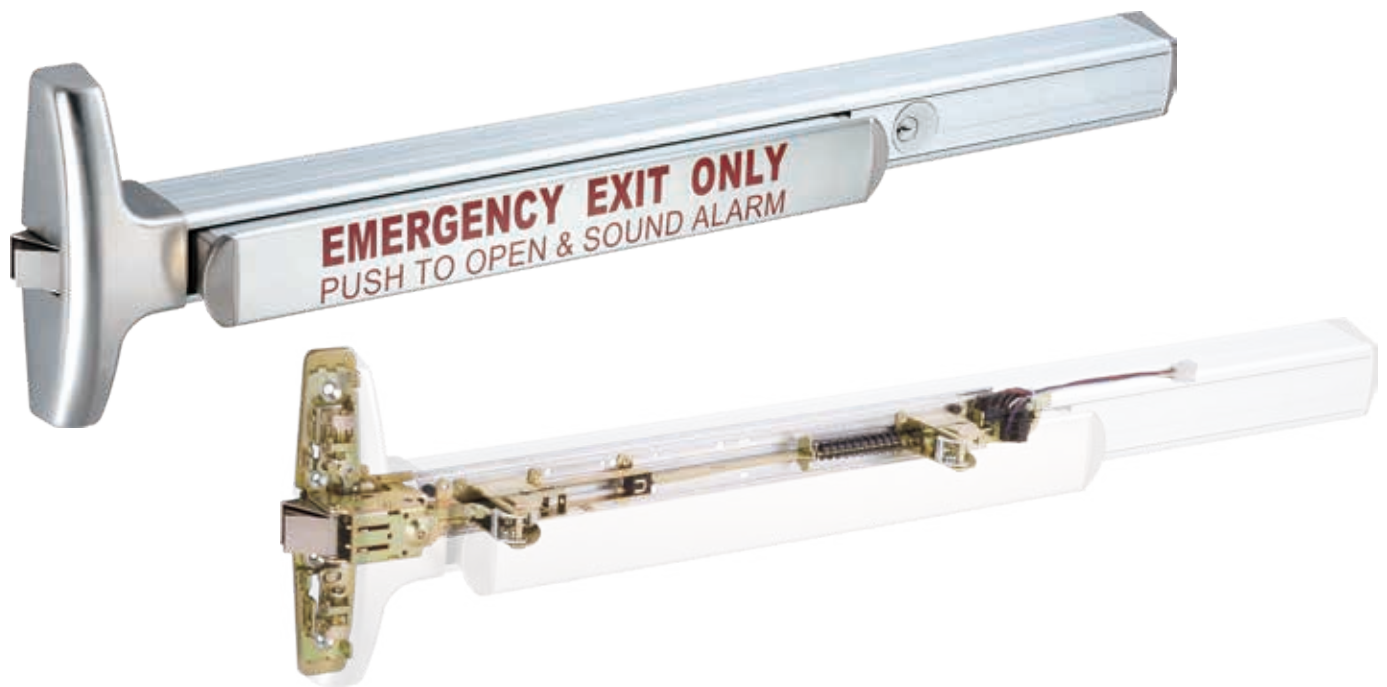
- UL/cUL Listed for Panic and Fire for Class 2 Circuitry.
- ELR is available with manual Flat/Hex Key for Panic Exit Devices.

Solenoid Specifications:

- Current Pulse (0.3 seconds): 24 VDC, 16 Amp.
- Continuous: 24 VDC, 0.25 Amp.

To order:

Prefix ELR (e.g. ELR 2100).

**SS**

Signal Switch

Micro-switch Detecting Push Bar

Two internal switches are mounted into the device.

One switch is designed to monitor Push Bar assembly. When there is unauthorized use of the device, the alarm will sound once the switch has been activated.

The other switch is to connect with the 1-1/4" (31.75mm) Mortise Cylinder with straight cam when alarm has been triggered. A power supply must be set from the frame to the door.

Electrical Ratings:

24 VDC, 2 Amp SPDT.

SPDT (Single Pole, Double Throw).

To order:

Prefix SS (e.g. SS 2100).

*Specify handing and finish.

Electrical



AL

Alarm Exit

The alarm exit provides a simple way to audibly monitor the use of an exit device. The unit contains an alarm which is activated when the push bar is depressed. The alarm sounds at 85 db. The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal. Can also be powered using the PS100 Series Power Supply.

The AL requires a standard 1-1/4" (31.75mm) mortise cylinder which is used as a key switch to perform the following functions:

- Silence the alarm after activation.
- Deactivate the alarm for continuous unmonitored egress.

Available for all 2000 Series devices from 3'0" to 4'0" wide doors, decal for application on door:

EMERGENCY EXIT ONLY
PUSH TO OPEN ALARM WILL SOUND

The AL is available with 2 optional circuit boards:

- External Inhibit (EI) allows the use of external switch to be used to arm, disarm and reset the alarm.
- Auto Reset (AR) rearms the alarm after a preset time. AR default setting time is 5 minutes, and can be manually switched to 1-1/2 or 3 minutes.

To order:

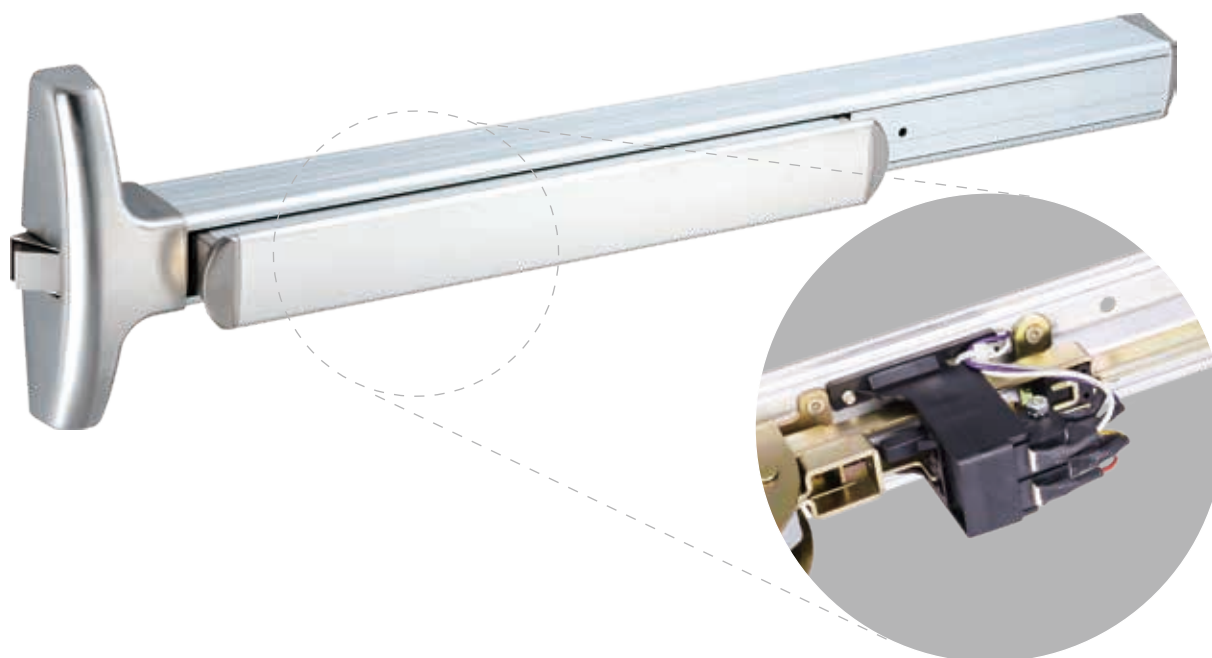
Prefix AL (e.g. AL 2100).

The alarm exit is available in kits for retrofit on existing Klaccki devices. Specify finish when ordering.

To order:

E.g.: ALK Kit.

Alarm kits are available with a choice of two switch kits, RX or LM. RX monitors the push bar and is furnished standard.



RX

Request to Exit

Micro-switch Detecting Push Bar

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the push bar. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Electrical Ratings:

Switch rate: 24 VDC, 3 Amp SPDT.
SPDT (Single Pole, Double Throw).

To order:

Prefix RX (e.g. RX 2100).

LM

Latchbolt Monitoring

Micro-switch Detecting Latchbolt

The LM feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latchbolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

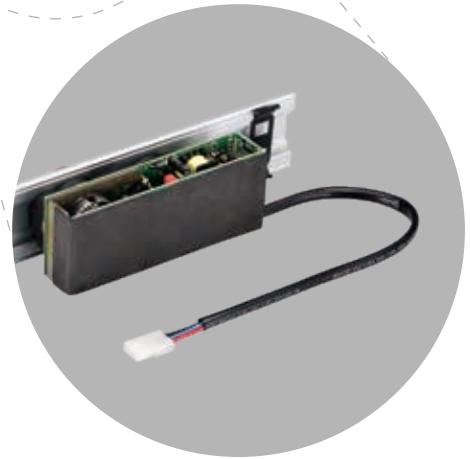
Electrical Ratings:

Switch rate: 24 VDC, 3 Amp SPDT.
SPDT (Single Pole, Double Throw).

To order:

Prefix LM (e.g. LM 2100).

Electrical



DE

Delayed Egress Device

The Delayed Egress Exit Device provides a controlled egress for openings which require panic or fire exit hardware for safe egress. It is a self contained exit device, when armed it will deny exit to unauthorized personnel for 15 or 30 seconds, while simultaneously sounding a local or remote audible alarm. The Remote Monitoring feature will alert the security personnel that an attempt is being made to exit the opening. After the 15 (or 30) second delay of egress period, the device will function as a standard exit device for safe egress.

Operation:

The device secures the door in the locked mode with a red LED indicating locked status. Depressing the Push bar by accident or for less than the nuisance delay time will sound the alarm without initiating the alarm sequence. Depressing the Push bar with less than 15 pounds pressure, for longer than the nuisance delay time will initiate an irreversible local audible beeping tone and a visual Red indicator until the device releases. After the delay egress time, the lock releases and the alarm changes to a steady tone which continues to alarm until reset. The remote monitoring contact output can be used to alert security personnel.

The Delayed Egress device includes decal for application on door:

**PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED
IN 15 SECONDS**

Note:

A "30 Seconds" decal is provided when the 30-second delay option is specified.

Solenoid Specifications:

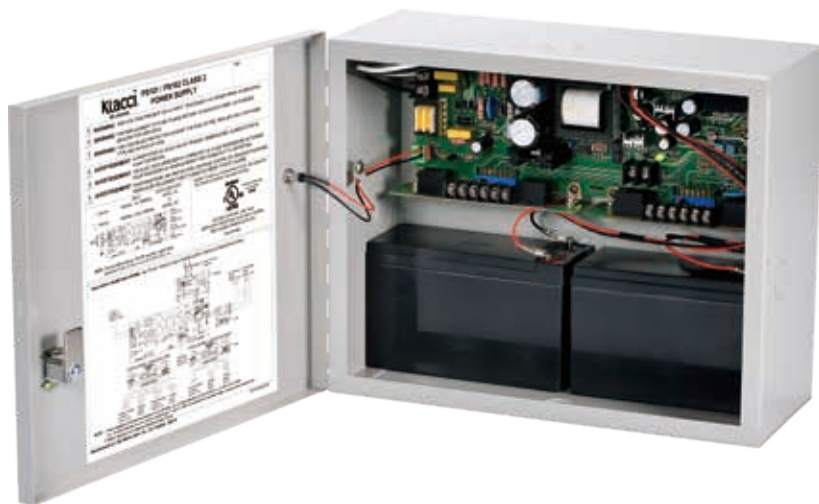
- Current Pulse (0.3 seconds): 24 VDC, 16 Amp.
- Continuous: 24 VDC, 0.37 Amp
Requires PS100 Power Supply.

To order:

Prefix DE (e.g. DE 2100).



Power Supply



PS100

The PS100 Power Supply is applicable for wide range of electrical products. It has an option to provide key to lock the enclosure. Battery backup has two hours backup power at full load during an A.C. power failure. Batteries will automatically recharge when failed power is restored. Fire alarm provides input for a normally closed fire alarm contact. When the fire alarm contact is "open", power to locks or other component is removed. Restoring power is field selectable for automatic or manual.

Certification

UL/cUL listed as a power supply unit class 2, UL294, UL1034 and ULC-S318 requirements.

Specifications

- UL/cUL listed for Class 2 output.
- LED indicators for AC input, DC output and battery backup status.
- The power supply can control up to (4) delayed egress exit devices.
- Circuit breakers provide protection for motherboard.
- Standard input options:
 - 120 VAC, 1.0 Amp or
 - 240 VAC, 0.5 Amp.
- Output power:
 - 24 VDC, 2 Amp or
 - 12 VDC, 4 Amp.

Power supply box:

10" high × 12-1/2" wide × 5" deep (254mm × 318mm × 127mm), gray with a hinged cover and constructed of heavy 20 gauge steel.

3 options:

- (1) Key lock.
- (2) Fire alarm.
- (3) Battery backup (2 hrs.) during AC power failure.

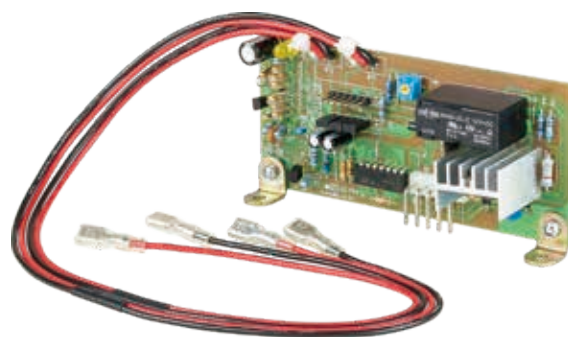
To order:

The power supply model is determined on the number of devices requiring electrical power:

PS101	Voltage 120 VAC
PS102	Voltage 240 VAC
PS101K	Voltage 120 VAC with Key lock
PS102K	Voltage 240 VAC with Key lock
PS101 - 2	Two (2) Zone Controller Board
PS101 - 4	Two (2) Zone Controller Board x 2
PS101 - FA	Fire Alarm
PS101 - BB	Battery Backup



100-2 Two (2) Zone Controller Board



100-FA Fire Alarm



100-BB Battery Backup

Optional Circuit Cards

The PS100 Series is available with several optional circuit cards to provide system flexibility. The power supply will accept one or a combination of any two cards.

Maximum wire run:

- 75 ft. with 14 gauge wire and 28 gauge power transfer.
- 100 ft. with 14 gauge wire and 24 gauge power transfer.
- 200 ft. with 12 gauge wire and 24 gauge power transfer.

To order:

100 - 2	Two (2) Zone Controller Board
100 - K	Key lock
100 - 101	120 VAC Power Supply Board
100 - 102	240 VAC Power Supply Board
100 - FA	Fire Alarm
100 - BB	Battery Backup
100 - AC*	Access Control
100 - AL*	Alarm
100 - AO*	Auto Operator
100 - SI*	Security Interlock
100 - 4TD*	Four (4) Zone Controller with Time Delay

*Unavailable until further notice.

Power Transfer - EPT

EPT-1 power transfer with steel housing and flexible tube. Secure and inconspicuous channel to bring power from the frame to the door. Narrow, shallow channel easily mortises into door edges. Accepts up to 3/8" (9.5mm) diameter wire bundle. Accommodates doors that swing open 120 degrees. Unit is concealed when the door is closed. Suitable for wood, aluminum or steel door applications.

EPT-2 Armored flex conduit. Accepts up to 1/4" (6.35mm) diameter wire bundle.

To order:

Specify EPT-1.
Specify EPT-2.



EPT-1



EPT-2

Fire Door Applications and Listings

F2000 Series Narrow Head Fire Exit Devices Maximum Door Opening Applications and Listings

Exit Device	Door Material	Single Door	Double Door		VR/VR Same Direction	VR/VR Double Egress
			With 170 mullion	With 270 mullion		
F2100 F2105 RIM	Metal	3 Hours 4' x 8'	3 Hours 8' x 8'	3 Hours 8' x 8'		
F2200 SVR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'
F2200 LBR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'
F2300 CVR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'
F2300 LBR	Metal	3 Hours 4' x 10'			3 Hours 8' x 10'	3 Hours 8' x 10'
F2500 3PT	Metal	3 Hours 4' x 8'	3 Hours 8' x 8'	3 Hours 8' x 8'		

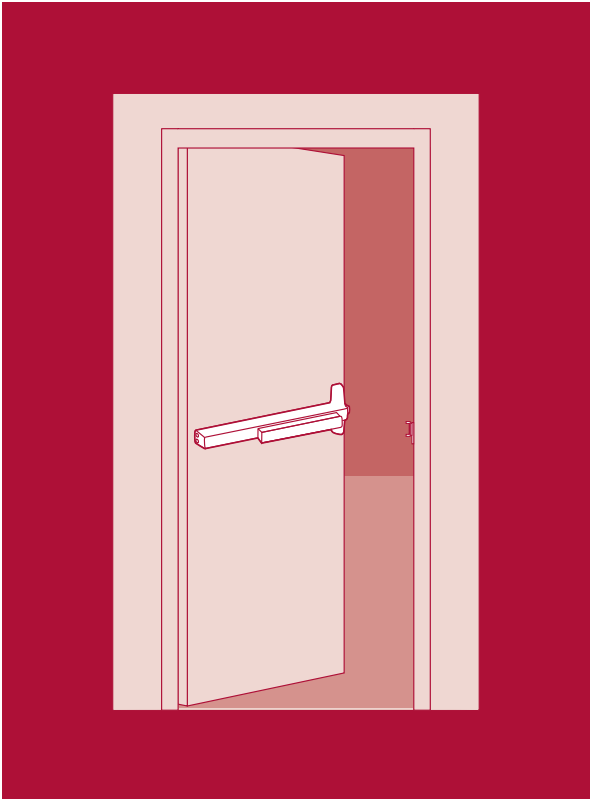
Metric conversion: 4' (1219mm), 8' (2438mm), 10' (3048mm).

Notes:

- 1. Fire exit device conforms to UL10C and UBC7-2.
- 2. Fire exit device is applicable for wood door with 1-1/2-hour or 1/3-hour fire rating.
- 3. Consult with door manufacturer for specific limitations on fire door assemblies.



Typical Installation

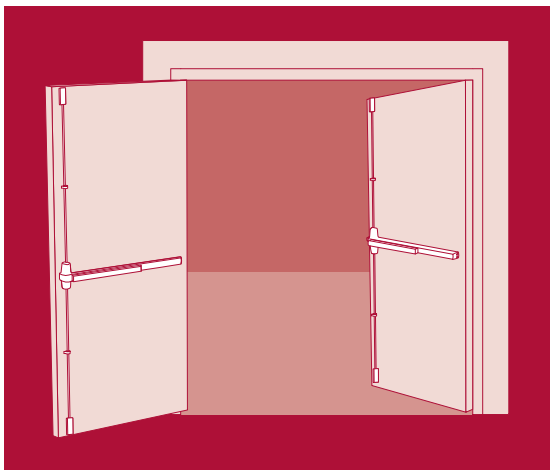


Single Door

Rim Exit Device / Vertical Rod Exit Devices

Panic	RIM	2100	Up to 4' x 10' Door Size
	SVR	2200	
	CVR	2300	
	3PT	2500	
Fire (3 Hours)	RIM	F2100	Up to 4' x 8' Door Size
	SVR	F2200	Up to 4' x 10' Door Size
	CVR	F2300	
	3PT	F2500	Up to 4' x 8' Door Size

Typical Installation



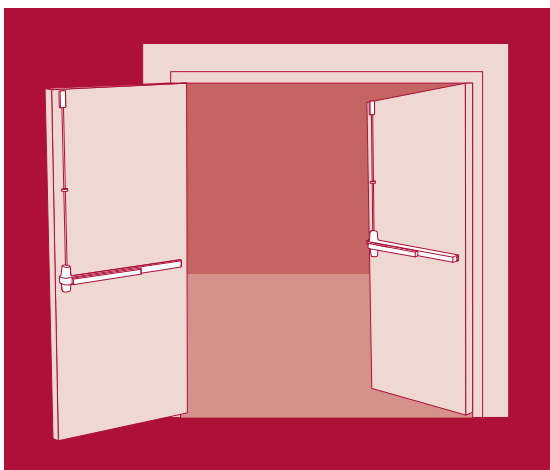
Double Egress Opening

Two Surface Vertical Rod Devices

Panic	SVR × SVR	2200 × 2200	Up to 8' × 10'
Fire (3 Hours)	SVR × SVR	F2200 × F2200	Door Size

Two Concealed Vertical Rod Devices

Panic	CVR × CVR	2300 × 2300	Up to 8' × 10'
Fire (3 Hours)	CVR × CVR	F2300 × F2300	Door Size



Double Egress Opening Less Bottom Rod

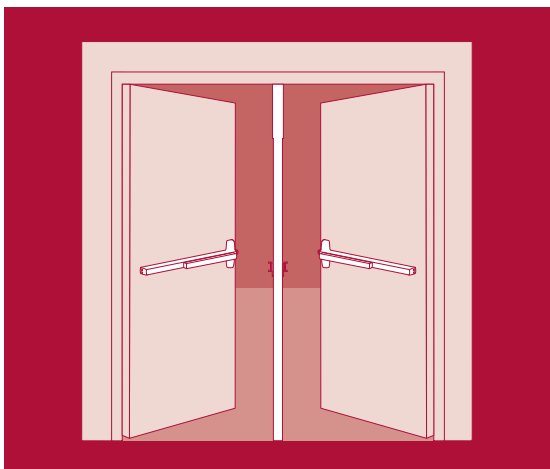
Two Surface Vertical Rod Devices Less Bottom Rod

Panic	SVR × SVR	2200LBR × 2200LBR	Up to 8' × 10'
Fire (3 Hours)	SVR × SVR	F2200LBR × F2200LBR	Door Size

Two Concealed Vertical Rod Devices Less Bottom Rod

Panic	CVR × CVR	2300LBR × 2300LBR	Up to 8' × 10'
Fire (3 Hours)	CVR × CVR	F2300LBR × F2300LBR	Door Size

Note: Fire Rated Door with Auxiliary Fire Bolt.



Two Rim Exit Devices with Removable Mullion, Same Direction

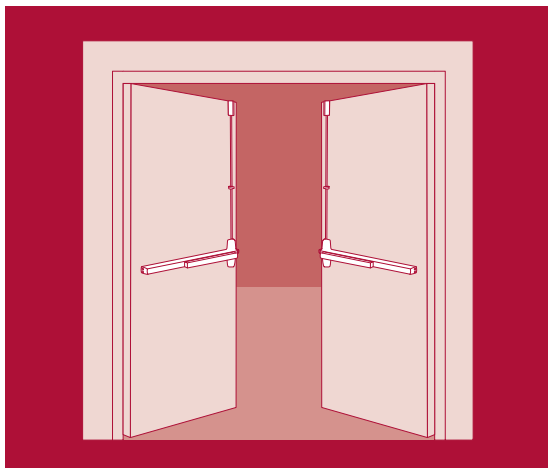
Two Rim Exit Devices with Removable Mullion

Panic	RIM × RIM	2100 × 2100	Up to 8' × 10'
Fire (3 Hours)	RIM × RIM	F2100 × F2100	Door Size'

Two Three-Point Latching Devices with Removable Mullion

Panic	3PT × 3PT	2500 × 2500	Up to 8' × 10'
Fire (3 Hours)	3PT × 3PT	F2500 × F2500	Door Size'

Note: With 170 Keyed / 270 Non-Keyed Removable Mullion.



Two Vertical Rod Devices, Same Direction Less Bottom Rod (Do not use overlapping astragal)

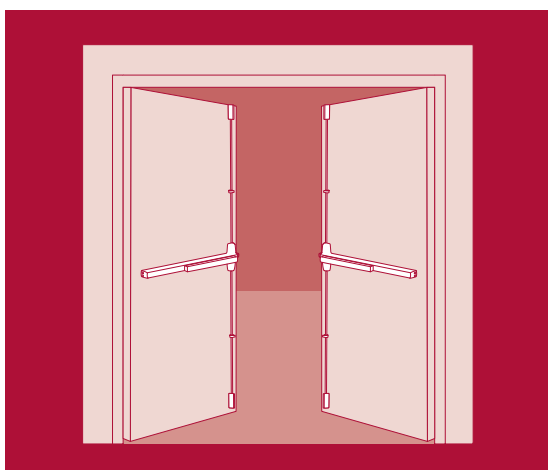
Surface Vertical Rod Devices Less Bottom Rod

Panic	SVR × SVR	2200LBR × 2200LBR	Up to 8' × 10' Door Size
Fire (3 Hours)	SVR × SVR	F2200LBR × F2200LBR	

Concealed Vertical Rod Devices Less Bottom Rod

Panic	CVR × CVR	2300LBR × 2300LBR	Up to 8' × 10' Door Size
Fire (3 Hours)	CVR × CVR	F2300LBR × F2300LBR	

Note: Fire Rated Door with Auxiliary Fire Bolt.



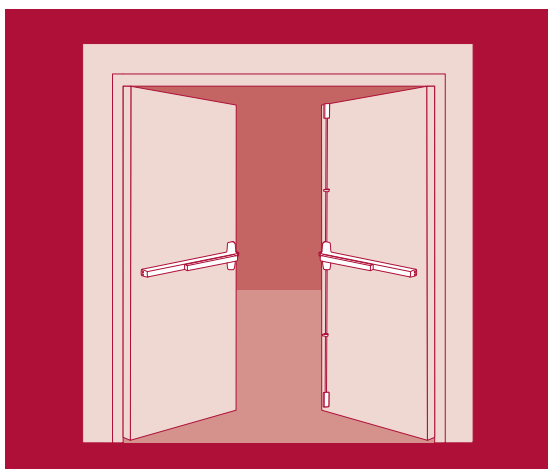
Two Vertical Rod Devices, Same Direction (Do not use overlapping astragal)

Two Surface Vertical Rod Devices

Panic	SVR × SVR	2200 × 2200	Up to 8' × 10' Door Size
Fire (3 Hours)	SVR × SVR	F2200 × F2200	

Two Concealed Vertical Rod Devices

Panic	CVR × CVR	2300 × 2300	Up to 8' × 10' Door Size
Fire (3 Hours)	CVR × CVR	F2300 × F2300	



Vertical Rod Devices/ RIM Exit Devices, Same Direction

One Rim Exit Device × One Vertical Rod Device

Panic	RIM × SVR	2100 × 2200	Up to 8' × 10' Door Size
	RIM × CVR	2100 × 2300	
Fire (3 Hours)	RIM × SVR	F2100 × F2200	
	RIM × CVR	F2100 × F2300	

How to Order

Unless specified, 2000 Series Narrow Head Exit Devices and Trim can be ordered as indicated below:

Device Only: Device No. × Finish; Example: 2100 × 626(panic device)
F2200 × 630(fire rated device)

Trim Only: Trim No. × Finish; Example: 508M × 626

Device and Trim: Device No. × Trim No. × Finish; Example: 2100 × 508M × 626

For smooth surface case: Change the last two digits in series number to "10"; Example: 2110, F2210, etc.

Optional Items: As sequenced below.

Device	Ordering example									
	ELR	2500	LD	RBL	626	307	AEH	SMDF	403 RHR	GD
Prefix for Electric Options										
AL Alarm Exit										
DE Delayed Egress Device										
ELR Electric Latch Retraction										
LM Latchbolt Monitoring										
RX Request to Exit										
SS Signal Switch										
Blank For Regular (Non-electric) Device										
Device Number and Rating										
Panic 2100 RIM Fire F2100 RIM										
2200 SVR F2200 SVR										
2300 CVR F2300 CVR										
2500 3PT F2500 3PT										
Dogging (see page 37)										
CD Cylinder Dogging LD Less dogging										
ED Electric Dogging (ELR) Blank Flat/Hex Key Dogging										
Bottom Rod and Latch Options										
LBR Less Bottom Rod										
Finish (see page 13)										
605 (US3) 611 (US9) 613 (US10B) 626 (US26D)										
606 (US4) 612 (US10) 625 (US26) 630 (US32D)										
Device and Door Size										
307 3' device for 2'4"~3'×7' (standard) 407 4' device for 2'10"~4'×7'										
308 3' device for 2'4"~3'×8' 408 4' device for 2'10"~4'×8'										
310 3' device for 2'4"~3'×10' 410 4' device for 2'10"~4'×10'										
Strike Options (see page 33)										
P 103 RIM Strike Q 203 SVR Top Strike G 225 VR Bottom Strike										
A 106 RIM Strike D 215 SVR Top Strike H 226 VR Bottom Strike										
B 108 RIM Strike E 216 CVR Top Strike J 227/227F VR Bottom Strike										
C 136 RIM Pair Door Strike F 224 VR Bottom Strike										
Other Miscellaneous Door Information										
SMDF Single Hollow Metal Door and Frame PMDF Pair Hollow Metal Door and Frame										
SWDF Single Wood Door and Frame PWDF Pair Wood Door and Frame										
SWMF Single Wood Door and Hollow Metal Frame PWMF Pair Wood Door and Hollow Metal Frame										
Trim	Trim Options (see page 25)									
	400 Series 401 , 402 , 403R (*RHR/LHR specification needed)									
	500 Series 502 , 503R , 508M , 509R , 511M , 512R , 514 , 516 (511P , 516P applicable with SVR , CVR)									
	Lever / Grip Options (see page 28)									
	Lever D (standard), Q, A, K									
	Grip GD (standard), GK									

Warranty

Klacci ("Company") warrants to the original purchaser ("Purchaser") that the products manufactured and provided under the Klacci® brand shall be free of defects in material and workmanship under normal use and service as follows: (a) mechanical locks for 5 years; (b) electrified products for 1 year, and (c) finishes for 1 year. The Purchaser shall be obligated to store, transport, install, maintain and operate the products in accordance with good practice and reasonable maintenance works, and has followed specific instructions from the Company. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, Klacci may repair or replace the product.

The present warranty does not cover:

1. Scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals.
2. Normal wear and tear.
3. Lack of proper maintenance.
4. Abuse or any damage caused by improper installation, sabotage or misuse of the product.
5. Improper storage, shipping and handling.
6. Failure to follow instructions or guidelines provided by the Company.

Klacci makes no representations or warranties concerning any modification or installation along with other brand products that can potentially impact its intended operation or cause malfunction. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please follow its installation instructions accordingly or consult with a code specialist or local code official (authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

Note:

- The warranty becomes effective from the date of shipment.

Contents in this catalog are for reference and illustration only. Shipments subject to actual productions. Please consult factory for final discretion.

These products and systems are under patent protection, counterfeiting not allowed.

Klacci[®]
life unlocked.



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