

22 Rim exit device



22 Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2008 Grade 1. Covers stock hollow metal doors with 161* cutouts. Fits door stiles as narrow as 3¹³/₁₆" (97 mm). The device is non-handed.

Finishes – SP28 & SP313.

*Not applicable with all strike and mullion combinations, consult factory.



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 22 Rim exit device



Specifications	
Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 3/4" (19 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors optional SNB available for device
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	GBK glass bead kit AX accessible device
Dogging feature	Hex key dogging standard
Dogging options	LD less dogging
Strikes	299 – Dull black

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299	Yes	—	26.500" (673mm)	33.250" (845mm)
1/2"	1439	Yes	—	25.687" (652mm)	32.437" (824mm)
1/2"	299	—	4754/4854/4954	27.000" (686mm)	33.750" (857mm)
1/2"	299	—	5654	25.812" (656mm)	32.562" (827mm)
1/2"	1408	—	5754	25.750" (679mm)	32.500" (826mm)
1/2"	1606	—	1654	26.562" (675mm)	33.312" (846mm)
5/8"	299	Yes	—	26.750" (679mm)	33.500" (851mm)
5/8"	1439	Yes	—	25.937" (659mm)	32.687" (830mm)
5/8"	299	—	4754/4854/4954	27.125" (689mm)	33.875" (860mm)
5/8"	299	—	5654	26.687" (678mm)	33.437" (849mm)
5/8"	1408	—	5754	25.875" (657mm)	32.625" (829mm)
5/8"	1606	—	1654	26.687" (678mm)	33.437" (849mm)

*For 4' device, add 6" (152mm)

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2

Double pushpad monitor switch

- Uses two RX switches

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

LX

Latchbolt monitor switch





- Signals use of opening
- SPDT Switch to monitor latchbolt

CON



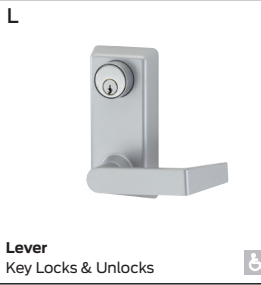
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
				
Product description	22EO	22DT	22NL	22NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2001) Grade 1 trim

	TP	K	L
			
Product description	22TP	22K	22L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

22 Optional trim

210 Series trim







The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

230 Series trim

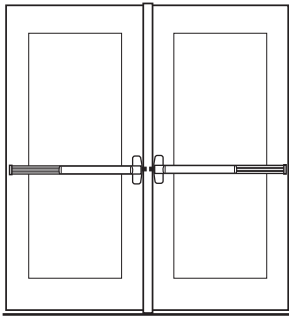
The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc $\frac{3}{4}$ " (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

	EO	DT	NL	TP-BE	L-BE	K-BE
						
	Exit only plate	Dummy trim pull when dogged	Night latch key retracts latch bolt	Thumbpiece blank escutcheon always operable, no cylinder	Lever blank escutcheon always operable, no cylinder	Knob blank escutcheon always operable, no cylinder
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 6 $\frac{3}{8}$ " x $\frac{15}{16}$ " (76 x 162 x 24 mm)	3" x 4 $\frac{25}{32}$ " x $\frac{3}{32}$ " (76 x 121 x 2 mm)
Pull center to center	—	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 $\frac{3}{8}$ " (67 mm)	2 $\frac{15}{16}$ " (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

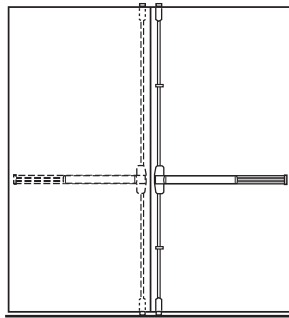
*Sex Bolts are required for wood fire doors
 **ANSI/BHMA A156.3 (2008) Grade 1 Trim

Popular double door applications

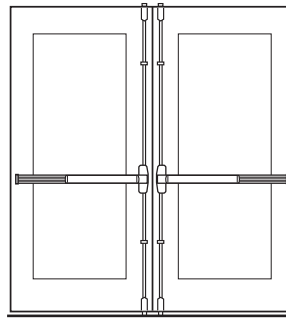
Double door applications



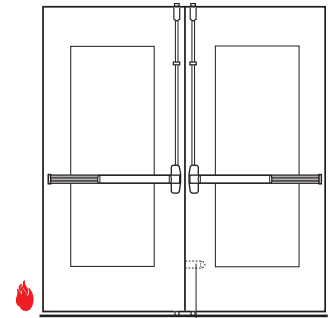
Two rim devices with mullion—same direction, panic or fire device



Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)

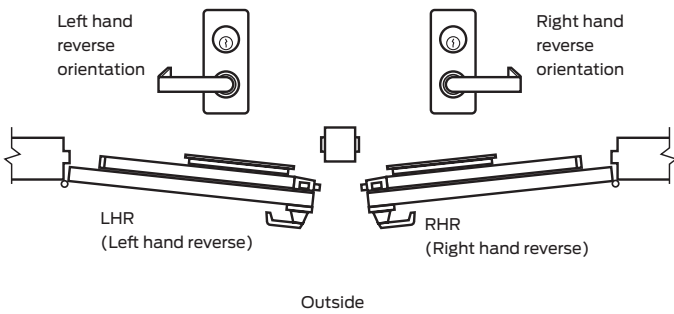


Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two FEH vertical rods with auxiliary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)

Door handing



Outside trim operation

Standard trim

Features

- Bi directional lever rotation
- Field reversible handing

Lever trim operation



Standard operation
Key locks and unlocks lever.



Blank escutcheon
Lever always active. BE suffix, e.g., 230L-BE.

Lever styles

Standard levers



03
Knurling available



06
Default lever
Knurling available



17
Knurling available

22 Strike/Stile information

Strikes for rim devices

<p>264</p> <p>Projection $\frac{9}{16}$" (14 mm)</p>	<p>299</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>299F</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>499F</p> <p>Projection $\frac{15}{16}$" (24 mm)</p>
<p>1408</p> <p>Used with 5754 Mullion One per pair of doors</p>	<p>1410—Integral Stop</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1439—Blade Stop***</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1606</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>
<p>1609**</p> <p>(Not fire rated; requires coordinates)</p>			

Strikes for vertical rod devices

<p>248L-4</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>260U—Flush transom only</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>304L</p> <p>Mortise $\frac{13}{16}$" (21 mm)</p>	<p>385A</p> <p>Mortise $2 \frac{1}{12}$" (64 mm)</p>
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Strikes 264, 299, 299F and 499F also available for vertical rod devices.

Device type	Standard single door		Standard double door		OPTIONAL single door		OPTIONAL double door	
	Strike	Stile	Application*	Stile	Strike	Stile	Application*	Stile
22	299	$4 \frac{3}{4}$ " (121 mm)	299 x 4954	$4 \frac{3}{4}$ " (121 mm)	1439	$3 \frac{3}{16}$ " (97 mm)	299 w/5654	$4 \frac{1}{4}$ " (108 mm)
					1410	$3 \frac{3}{16}$ " (97 mm)	1408 w/5754	$3 \frac{3}{16}$ " (97 mm)
					1606	$3 \frac{15}{16}$ " (100 mm)	1606 w/1654	$4 \frac{1}{4}$ " (108 mm)
					—	—	1609 w/vertical rod**	$4 \frac{3}{8}$ " (111 mm)
22-F	299F	$4 \frac{3}{8}$ " (111 mm)	499F x 9954	$4 \frac{7}{8}$ " (124 mm)	—	—	—	
2227 Latch Retraction	299 (Top) 299 (Middle) 304L/284-L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U Top 385A Bottom	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)
2227 Pullman Latch	299 (Top) 284-L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U Top	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)
2227-F	299 (Top) 304L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U-SS	4"	4"	4"

*Mullion information, refer to General and Auxiliary Catalog.

**Not for UL Fire exit hardware. Must be used with a coordinator.

***Replaces 1409 Strike

Note: On a Rim/Vertical rod application for a pair of doors, the 1609 strike extends off the edge of the door into the opening.

UL Listings, grade, type, function options & dimensions

UL Listed — Fire exit hardware label/opening size

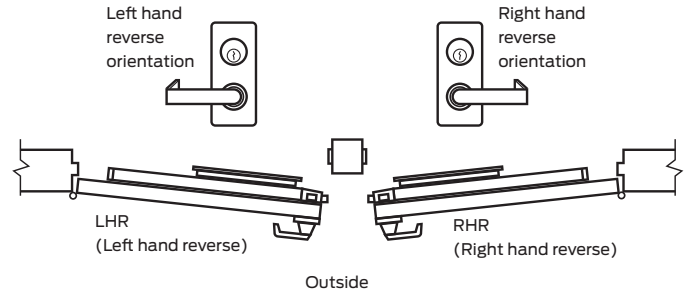
Exit device	Door material	Single door		Double door					
				With mullion		Same direction**		Double egress	
22-F	HM	3 Hour	4' x 8'	3 Hour	8' x 8'	—	—	—	—
22-F	WD	90 Minute	4' x 8'	90 Minute	8' x 8'	—	—	—	—
2227-F	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F	WD	—	—	—	—	90 Minute*	8' x 9'	—	—
2227-F-LBR	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F-LBR	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F-LBR	WD	—	—	—	—	90 Minute*	8' x 9'	—	—

ANSI Function, grade & type

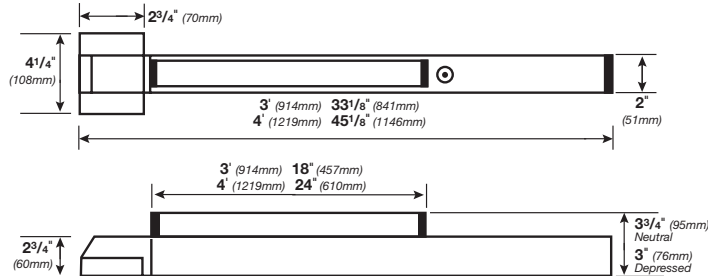
*UL listing for wood doors may be for a specific door manufacturer. Consult wood door manufacturers for current UL listings.
 **Currently, no door manufacturers offer a listing over 90 minutes with doors swinging same direction.

Function	Grade 1 type 1	Grade 1 type 2
01	22EO & 22EOF	2227EO & 2227EO-F
02	22DT	2227DT
03	22NL & 22NL-F	2227NL & 2227NL-F
05	22TP & 22TP-F	2227TP & 2227TP-F
08	22K & 22K-F	2227K & 2227K-F
08	22L & 22L-F	2227L & 2227L-F

Door handing

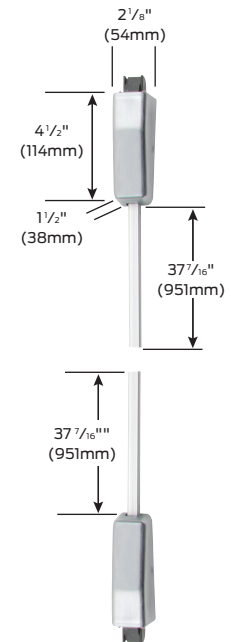


Dimensions





Vertical rod dimensions

Vertical rods are 1/2" (13 mm) square tubing



Finishes

Finishes*

	Color	US Number	BHMA Number
	Sprayed aluminum	SP28	689
	Sprayed dark bronze	SP313	695

* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.