

VON DUPRIN®

33A/35A Series Exit Device



IR Security & Safety
Proven Source. Proven Solutions.™



An Ingersoll-Rand Business

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Von Duprin Introduces 33A/35A Device Series

In 1908 Von Duprin invented the first panic exit device and immediately became the market leader in fire and life safety. Today, innovation, durability, and our never-ending dedication to saving lives continues to be the driving force behind everything we do. Never has this been more apparent than in the new 33A/35A exit device series. Over thirty years ago, Von Duprin introduced the first pushpad exit device, the 33 Series. This exit device set the standard for future innovations in performance and function. Today, Von Duprin continues in this long tradition with the introduction of the 33A/35A device. This narrow stile exit device comes to the marketplace with advanced features and benefits such as:

- Deadlocking latchbolt on the Rim, Surface Vertical, and Concealed Vertical functions. The deadlocking feature provides unparalleled security and performance and is standard on all devices.
- A one-piece center case cover provides a stylish appearance.
- Simplified concealed vertical rod adjustment, saving time required for normal maintenance.
- Rotary input cam construction similar to Von Duprin's 98/99 devices provides increased durability and performance.
- Molycoated latchbolt provides long term lubrication and superior durability to device latchbolt.

These design upgrades are just a few of the improvements incorporated into the 33A/35A device series. The versatility and improved mechanical performance establishes another benchmark for Von Duprin. Please review the information provided in the enclosed catalog for a complete understanding of the features, benefits, and value of the 33A/35A device.

At Von Duprin, our never-ending mission is to be the leader in Fire and Life Safety. We believe the above engineering improvements to the 33A/35A demonstrate our commitment to accomplish this mission. We appreciate your continued support and look forward to serving you in the future.

Von Duprin

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Introduction

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards. All 33A and 35A series exit devices are UL listed for Panic Exit or Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 1994, Grade I.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

Unusual operating conditions and environments and other external influences can affect the proper application of the products represented. Modifications of these products will also affect UL listings. It is recommended that whenever an unusual application condition exists, or when any modification of a product is considered, that our engineers review the application.

Application engineering services are available to help ensure proper selection or to review any areas where users of Von Duprin products may have questions.

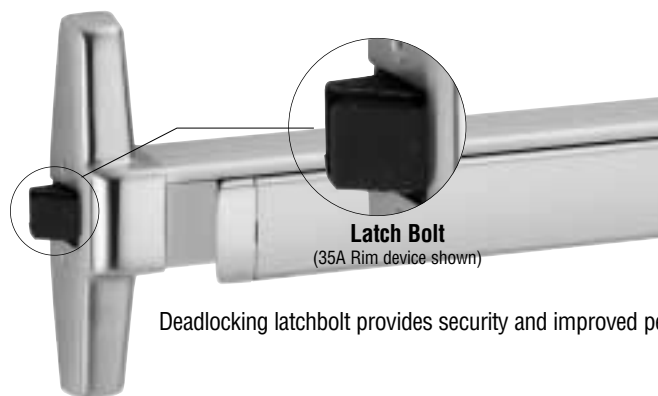


33A Series features grooved mechanism case.

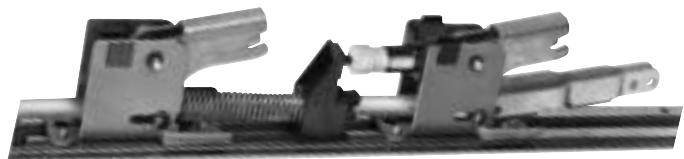


35A Series features smooth mechanism case.

Von Duprin pushpad exit devices are available in two external surface styles, designated 33A series and 35A series. The two styles are mechanically and dimensionally identical and provide a wide selection of appearance options.



Deadlocking latchbolt provides security and improved performance at standard device cost.



The Quiet One®

A fluid dampener decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 33A/35A series exit devices.



1439 Roller

33A and 35A rim devices for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Fits doors stiles as narrow as $1\frac{3}{4}$ " (44mm).

Features

- Nonhanded
- Field sizeable
- $\frac{3}{4}$ " (19mm) throw molydag® coated latch bolt
- Eight popular finishes
- Hex key dogging
- Latch bolt deadlocking
- One piece center case cover

Strikes and Fasteners

Device is furnished standard with 1439 roller strike in dull black finish. For strike dimensions and optional strike information, refer to page 19. Six bolts are furnished standard for mounting on $1\frac{3}{4}$ " (44mm) and $2\frac{1}{4}$ " (57mm) thick doors.

Device Options

Cylinder dogging, page 25.
 Electric latch retraction, page 22.
 Request to exit switch, page 21.
 Latch bolt monitoring switch, page 21.
 Signal switch, page 22.
 Dummy pushpad 25.
 Glass bead kit, page 25.

NOTE: For specific device applications, see device templates or consult factory.

Dimensions





Pushpad height to finished floor	39 $\frac{13}{16}$ " (1011mm) at center
Pushpad projection —	
neutral	3 $\frac{13}{16}$ " (97mm)
depressed	3 $\frac{1}{16}$ " (78mm)
Center case	8 $\frac{3}{16}$ " x 2 $\frac{13}{32}$ " x 1 $\frac{9}{16}$ " (208mm x 62mm x 40mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size





To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
 Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door thickness if other than standard $1\frac{3}{4}$ ".
4. Finish, see page 30.
5. Handing, LHR or RHR. Required on "SS", "L" or "386NL" functions, only. See page 26.

For How-To-Order Information on all devices, see page 28.

VON DUPRIN® 33A/35A Rim Device Trim

	Exit Only	Pull when dogged	Key retracts latch bolt	Key retracts latch bolt (Pull required)	Key locks lever (#06 lever standard)
					
Product Description	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP	33A-L ^{1,2,3,4,5} 35A-L ^{1,2,3,4,5}
Trim Description	—	386DT	386NL	388	360L
Base Size	—	7 ¹⁵ / ₃₂ "h x 1 ⁵ / ₈ "w	7 ¹⁵ / ₃₂ "h x 1 ⁵ / ₈ "w	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w x ⁷ / ₈ "d
Grip Size	—	8 ¹ / ₂ "h x 4 ⁵ / ₁₆ "w	8 ¹ / ₂ "h x 4 ⁵ / ₁₆ "w	—	4 ¹ / ₂ "
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1"	3"
ANSI Function	01	02	03	03	08-09
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam

	Key retracts latch bolt	Key retracts latch bolt	Key locks thumbturn (Pull required)	Key locks thumbturn
				
Product Description	33A-NL-OP x 550 DT 35A-NL-OP x 550 DT	33A-NL-OP x Ives 8190 Pull 35A-NL-OP x Ives 8190 Pull	33A-TL ^{1,2,4,5} 35A-TL ^{1,2,4,5}	33A-TL x Ives 8190 Pull ^{1,2,4,5} 35A-TL x Ives 8190 Pull ^{1,2,4,5}
Trim Description	388 x 550	388 x IVES 8190 Pull	360T	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w x ⁷ / ₈ "d	7 ¹ / ₂ "h x 1 ¹¹ / ₁₆ "w x ⁷ / ₈ "d
Grip Size	10"	10" Suggested	—	10" Suggested
Projection	2 ⁵ / ₈ "	3 ¹ / ₄ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	03	11-12	11-12
Cylinder Type	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts are furnished standard for end case mounting. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 33A-L-BE.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

⁴Wood door applications require the 33A-WDA door cover plate.

⁵Cylinder collar required for 1¹/₂" cylinders.

27 Top Latch



3327A and 3527A surface mounted vertical rod devices for all types of single or double doors. UL listed for Panic Exit Hardware. Fits door stiles as narrow as 1¾" (44mm).

Features

- Nonhanded
- Field sizeable
- 5/8" (19mm) throw molydag® coated latch bolt
- Eight popular finishes
- Hex key dogging
- Latch bolt deadlocking
- One piece center case cover

Strikes and Fasteners

Device is furnished standard 266, 248L-4 and 304L strikes. For strike dimensions and optional strike information, refer to page 19. Sex bolts are furnished standard for mounting on 1¾" (44mm) and 2¼" (57mm) thick doors.

Device Options

Cylinder dogging, page 25.
 Electric latch retraction, page 22.
 Request to exit switch, page 21.
 Latch bolt monitoring switch, page 21.
 Signal switch, page 22.
 Dummy pushpad, page 25.
 Glass bead kit, page 25.

NOTE: For specific device applications, see device templates or consult factory.

Dimensions

Pushpad height to finished floor	39 13/16" (1011mm) at center
Pushpad projection —	
neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	8 3/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size
Top & bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (117mm x 48mm x 38mm)
Vertical rods	1/2" (13mm) square tubing
Undercut	1/4" (7mm) maximum



27 Bottom Latch



266
Top Strike



248L-4
Bottom Strike
for use with
Threshold








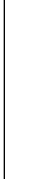
304L
Bottom Strike




To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 7'.
4. Door thickness if other than standard 1¾".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386NL" functions, only. See page 26.

For How-To-Order Information on all devices, see page 28.

VON DUPRIN® 3327A/3527A Surface Mounted Vertical Rod Device Trim

	Exit only	Pull when dogged	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3327A-EO 3527A-EO	3327A-DT 3527A-DT	3327A-NL 3527A-NL	3327A-NL-OP 3527A-NL-OP	3327A-L ^{1,2,3,4,5} 3527A-L ^{1,2,3,4,5}	3327A-TL ^{1,2,4,5} 3527A-TL ^{1,2,4,5}
Trim Description	—	386DT	386NL	388	360L	374T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	—
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3327A-NL x Ives 8190 Pull 3527A-NL x Ives 8190 Pull	3327A-TL x 392-6 ^{1,2,4,5} 3527A-TL x 392-6 ^{1,2,4,5}	3327A-TL x Ives 8190 Pull ^{1,2,4,5} 3527A-TL x Ives 8190 Pull ^{1,2,4,5}
Trim Description	388 x Ives 8190 Pull	374T x 392-6	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts for end case mounting and two #325 sex bolts for top and bottom latch cases are furnished standard. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3327A-L-BE.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

⁴Wood door applications require the 33A-WDA cover plate with the 360L/360T control. The #10 WDA cover plate is required for use with the 374T control.

⁵Cylinder collar required for 1¹/₂" cylinders.

27 Top Latch



27 Bottom Latch



299F

Top Strike



304L

Bottom Strike
for use with
Threshold



499F

(LBR only)



3327A-F and 3527A-F surface mounted vertical rod devices for all types of 8' x 10' (2438mm x 2540mm) double doors, UL listed Fire Exit Hardware, 3 hours. Fits door stiles as narrow as 2 3/16".

Less Bottom Rod – LBR*

LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Requires use of 499F strike. Fits door stiles as narrow as 3 5/8".

Features

- Nonhanded
- Field sizeable
- 5/8" (16mm) throw molydag® coated latch bolt
- Eight popular finishes
- Latch bolt deadlocking
- One piece center case cover

Dimensions

Pushpad height to finished floor	39 13/16" (1011mm) at center
Pushpad projection —	
neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	8 3/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size
Top & bottom latch case	4 1/2" x 2 1/8" x 1 1/2" (117mm x 48mm x 38mm)
Vertical rods	1/2" (13mm) square tubing
Undercut	1/4" (7mm) maximum

To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 7'.
4. Door thickness if other than standard 1 3/4".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386NL" functions, only. See page 26.

Strikes and Fasteners

Device is furnished standard 299F and 304L strikes. Use 499F for LBR option. For strike dimensions and optional strike information, refer to page 19. Sex bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.







Device Options

- Electric latch retraction, page 22.
- Request to exit switch, page 21.
- Latch bolt monitoring switch, page 21.
- Signal switch, page 22.
- Glass bead kit, page 25.




NOTE: For specific device applications, see device templates or consult factory.

* **LBR devices must be ordered in pairs**

VON DUPRIN® 3327A-F/3527A-F Fire Exit Surface Mounted Vertical Rod Device Trim

	Exit only	Pull when dogged*	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3327A-E0-F 3527A-E0-F	3327A-DT-F 3527A-DT-F	3327A-NL-F 3527A-NL-F	3327A-NL-OP-F 3527A-NL-OP-F	3327A-L-F ^{1,2,3,4,5} 3527A-L-F ^{1,2,3,4,5}	3327A-TL-F ^{1,2,4,5} 3527A-TL-F ^{1,2,4,5}
Trim Description	—	386DT	386NL	388	360L	374T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

* Not recommended on fire doors except when used on pairs of doors on the inactive leaf.

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3327A-NL-F x Ives 8190 Pull 3527A-NL-F x Ives 8190 Pull	3327A-TL-F x 392-6 ^{1,2,4,5} 3527A-TL-F x 392-6 ^{1,2,4,5}	3327A-TL-F x Ives 8190 Pull ^{1,2,4,5} 3527A-TL-F x Ives 8190 Pull ^{1,2,4,5}
Trim Description	388 x Ives 8190 Pull	374T x 392-6	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Pull Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts for end case mounting and two #325 sex bolts for top and bottom latch cases are furnished standard. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3327A-L-BE-F.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

⁴Wood door applications require the 33A-WDA cover plate with the 360L/360T control. The #10 WDA cover plate is required for use with the 374T control.

⁵Cylinder collar required for 1¹/₂" cylinders.

47 Top Latch



47 Bottom Latch



3347A and 3547A concealed vertical devices for use on all types of single and double doors, UL listed for Panic Exit Hardware. Fits door stiles as narrow as 1 $\frac{3}{4}$ " (44mm) (wood door stile as narrow as 4").

Features

- Nonhanded
- Field sizeable
- $\frac{5}{8}$ " (19mm) throw molydag® coated latch bolt
- Eight popular finishes
- Eight popular finishes
- Hex key dogging
- Latch bolt deadlocking
- One piece center case cover

Strikes and Fasteners

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 19. Sex bolts are furnished standard for mounting on 1 $\frac{3}{4}$ " (44mm) and 2 $\frac{1}{4}$ " (57mm) thick doors.

Device Options

- Cylinder dogging, page 25.
- Electric latch retraction, page 22.
- Request to exit switch, page 21.
- Latch bolt monitoring switch, page 21.
- Signal switch, page 22.
- Dummy pushpad, page 25
- Glass bead kit, page 25.

NOTE: For specific device applications, see device templates or consult factory.

Dimensions

Pushpad height to finished floor	39 $\frac{13}{16}$ " (1011mm) at center, adjusts as low as 35 $\frac{5}{8}$ " (905mm)
Pushpad projection —	
neutral	3 $\frac{13}{16}$ " (97mm)
depressed	3 $\frac{1}{16}$ " (78mm)
Center case	8 $\frac{3}{16}$ " x 2 $\frac{13}{32}$ " x 1 $\frac{9}{16}$ " (208mm x 62mm x 40mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6' 8" (2027mm) to 8' 4" (2533mm)
Undercut	$\frac{1}{4}$ " (7mm) maximum



338

Top Strike
for use with
wood frame









385A




Bottom Strike

To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 8' 4".
4. Door thickness if other than standard 1 $\frac{3}{4}$ ".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386 NL" functions, only. See page 26.
7. Specify frame type if other than hollow metal.
8. Specify 283 strike for wood frame.

VON DUPRIN® 3347A/3547A Concealed Vertical Rod Device Trim

	Exit only	Pull when dogged	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3347A-EO 3547A-EO	3347A-DT 3547A-DT	3347A-NL 3547A-NL	3347A-NL-OP 3547A-NL-OP	3347A-L ^{1,2,3,4,5} 3547A-L ^{1,2,3,4,5}	3347A-TL ^{1,2,4,5} 3547A-TL ^{1,2,4,5}
Trim Description	—	386DT	386NL	388	360L	376T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	—
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3347A-NL x Ives 8190 Pull 3547A-NL x Ives 8190 Pull	3347A-TL x 392-6 ^{1,2,4,5} 3547A-TL x 392-6 ^{1,2,4,5}	3347A-TL x Ives 8190 Pull ^{1,2,4,5} 3547A-TL x Ives 8190 Pull ^{1,2,4,5}
Trim Description	388 x Ives 8190 Pull	376T x 392-6	360T x Ives 8190 Pull
Base Size	—	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts are furnished standard for end case mounting. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3347A-L-BE.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

⁴Wood door applications require the 33A-WDA cover plate with the 360L/360T control. The #10 WDA cover plate is required for use with the 376T control.

⁵Cylinder collar required for 1¹/₂" cylinders.

47 Top Latch



47 Bottom Latch



338
Top Strike



385A
Bottom Strike



3347A-F and 3547A-F concealed vertical devices for all types of 8' x 10' (2438mm x 2540mm) double metal doors, UL listed Fire Exit Hardware, 3 hours. Fits door stiles as narrow as 3 1/2" (90mm).

Less Bottom Rod – LBR*

LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer. Fits door stiles as narrow as 3 5/8".

Features

- Nonhanded
- Field sizeable
- 5/8" (19mm) throw molydag® coated latch bolt
- Eight popular finishes
- Latch bolt deadlocking
- One piece center case cover

Dimensions

Pushpad height to finished floor	39 13/16" (1011mm) at center, adjusts as low as 35 5/8" (905mm)
Pushpad projection —	
neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	8 3/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Device length — Short 3' (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4' (1219mm)	3' 1" to 4' (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6' 8" (2027mm) to 8' 4" (2533mm)
Undercut	1/4" (7mm) maximum

To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 8' 4".
4. Door thickness if other than standard 1 3/4".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386 NL" functions, only. See page 26.
7. Specify frame type if other than hollow metal.
8. Specify 283 strike for wood frame.

Strikes & Fasteners

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 19. Sex bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.







Device Options

Electric latch retraction, page 22.
Request to exit switch, page 21.
Latch bolt monitoring switch, page 21.
Signal switch, page 22.
Glass bead kit, page 25.




NOTE: For specific device applications, see device templates or consult factory.

* LBR devices must be ordered in pairs

VON DUPRIN® 3347A-F/3547A-F Fire Exit Concealed Vertical Rod Device Trim

	Exit only	Pull when dogged*	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3347A-E0-F 3547A-E0-F	3347A-DT-F 3547A-DT-F	3347A-NL-F 3547A-NL-F	3347A-NL-OP-F 3547A-NL-OP-F	3347A-L-F ^{1,2,3,4,5} 3547A-L-F ^{1,2,3,4,5}	3347A-TL-F ^{1,2,4,5} 3547A-TL-F ^{1,2,4,5}
Trim Description	—	386DT	386NL	388	360L	376T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	—
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

* Not recommended on fire doors except when used on pairs of doors on the inactive leaf

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3347A-NL-F x Ives 8190 Pull 3547A-NL-F x Ives 8190 Pull	3347A-TL-F x 392-6 ^{1,2,4,5} 3547A-TL-F x 392-6 ^{1,2,4,5}	3347A-TL-F x Ives 8190 Pull ^{1,2,4,5} 3547A-TL-F x Ives 8190 Pull ^{1,2,4,5}
Trim Description	388 x Ives 8190 Pull	376T x 392-6	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts are furnished standard for end case mounting. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3347A-L-BE-F.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

⁴Wood door applications require the 33A-WDA cover plate with the 360L/360T control. The #10 WDA cover plate is required for use with the 376T control.

⁵Cylinder collar required for 1¹/₂" cylinders.

48 Top Latch



48 Bottom Latch



338
Top Strike



385A
Bottom Strike



3348A and 3548A concealed vertical rod devices for use on single or double hollow metal or aluminum doors, UL listed for Panic Exit Hardware Fits door stiles as narrow as 1 3/4" (44mm) and standard 3/4" (19mm) undercuts.

Features

- Nonhanded
- Field sizeable
- 3/4" (19mm) throw molydag® coated latch bolt, top
- 1 1/2" (37mm) throw molydag® coated latch bolt, bottom
- Eight popular finishes
- Hex key dogging
- Latch bolt deadlocking
- One piece (anodized) center case cover

Strikes and Fasteners

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 19. Sex bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.

Device Options

Cylinder dogging, page 25.
Electric latch retraction, page 22.
Request to exit switch, page 21.
Latch bolt monitoring switch, page 21.
Signal switch, page 22.
Dummy pushpad, page 25.
Glass bead kit, page 25.

NOTE: For specific device applications, see device templates or consult factory.







Dimensions




Pushpad height to finished floor	39 13/16" (1011mm) at center, adjusts as low as 35 5/8" (905mm)
Pushpad projection —	
neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	8 3/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Device length — Short 3" (914mm)	2' 6" to 3" (762mm to 914mm) door size
Long 4" (1219mm)	3' 1" to 4" (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6' 8" (2027mm) to 8' 4" (2533mm)
Undercut	3/4" (19mm) maximum

To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 8' 4".
4. Door thickness if other than standard 1 3/4".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386 NL" functions, only. See page 26.

VON DUPRIN® 3348A/3548A Concealed Vertical Rod Device Trim

	Exit only	Pull when dogged	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3348A-EO 3548A-EO	3348A-DT 3548A-DT	3348-NL 3548-NL	3348A-NL-OP 3548A-NL-OP	3348A-L ^{1,2,3,4} 3548A-L ^{1,2,3,4}	3348A-TL ^{1,2,4} 3548A-TL ^{1,2,4}
Trim Description	—	386DT	386NL	388	360L	376T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	—
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3348A-NL x Ives 8190 Pull 3548A-NL x Ives 8190 Pull	3348A-TL x 392-6 ^{1,2,4} 3548A-TL x 392-6 ^{1,2,4}	3348A-TL x Ives 8190 Pull ^{1,2,4} 3548A-TL x Ives 8190 Pull ^{1,2,4}
Trim Description	388 x Ives 8190 Pull	376T x 392-6	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x 7 ⁷ / ₈ " d
Pull Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts are furnished standard for end case mounting. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3348A-L-BE-F.

⁴Cylinder collar required for 1¹/₂" cylinders.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.



3348A-F and 3548A-F fire exit concealed vertical devices for 8' x 10' (2438mm x 2540mm) double metal doors, UL listed Fire Exit Hardware, 3 hours. Fits door stiles as narrow as 3 1/2" (89mm) and up to 3/4" (19mm) undercut.

Features

- Nonhanded
- Field sizeable
- 3/4" (19mm) throw molydag® coated latch bolt, top
- 1 1/2" (37mm) throw molydag® coated latch bolt, bottom
- Eight popular finishes
- Latch bolt deadlocking
- One piece center case cover

Strikes and Fasteners

Device is furnished standard with 338 and 385A strikes. For strike dimensions, refer to page 19. Sex bolts are furnished standard for mounting on 1 3/4" (44mm) and 2 1/4" (57mm) thick doors.

Device Options

Electric latch retraction, page 22.
Request to exit switch, page 21.
Latch bolt monitoring switch, page 21.
Signal switch, page 22.
Glass bead kit, page 25.

NOTE: For specific device applications, see device templates or consult factory.






Dimensions

Pushpad height to finished floor	39 13/16" (1011mm) at center, adjusts as low as 35 5/8" (905mm)
Pushpad projection —	
neutral	3 13/16" (97mm)
depressed	3 1/16" (78mm)
Center case	8 3/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Device length — Short 3" (914mm)	2' 6" to 3' (762mm to 914mm) door size
Long 4" (1219mm)	3' 1" to 4" (940mm to 1219mm) door size
Vertical rods	Two piece adjustable rods, doors 6' 8" (2027mm) to 8' 4" (2533mm)
Undercut	3/4" (19mm) maximum




To Order, Specify:

1. Product description number from opposite page.
2. Size 4' (for door sizes 3' 1" to 4').
Size 3' (for door sizes 2' 6" to 3'), shipped standard.
3. Door height if greater than 8' 4".
4. Door thickness if other than standard 1 3/4".
5. Finish, see page 30.
6. Handing, LHR or RHR. Required on "SS", "L" or "386 NL" functions, only. See page 26.

VON DUPRIN® 3348A-F/3548A-F Fire Exit Concealed Vertical Rod Device Trim

	Exit only	Pull when dogged*	Key retracts latch bolt	Key retracts latchbolt	Key locks lever (#06 Lever Standard)	Key locks thumbturn
						
Product Description	3348A-E0-F 3548A-E0-F	3348A-DT-F 3548A-DT-F	3348-NL-F 3548-NL-F	3348A-NL-OP-F 3548A-NL-OP-F	3348A-L-F ^{1,2,3,4} 3548A-L-F ^{1,2,3,4}	3348A-TL-F ^{1,2,4} 3548A-TL-F ^{1,2,4}
Trim Description	—	386DT	386NL	388	360L	376T x 386DT
Base Size	—	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹⁵ / ₃₂ " h x 1 ⁵ / ₈ " w	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Grip Size	—	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	8 ¹ / ₂ " h x 4 ⁵ / ₁₆ " w	—	4 ¹ / ₂ "	—
Projection	—	2 ⁷ / ₁₆ "	2 ⁷ / ₁₆ "	1 ¹³ / ₁₆ "	3"	1 ¹³ / ₁₆ "
ANSI Function	01	02	03	03	08-09	11-12
Cylinder Type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

* Not recommended on fire doors except when used on pairs of doors on the inactive leaf.

	Key retracts latch bolt	Key locks thumbturn	Key locks thumbturn (Pull required)
			
Product Description	3348A-NL-F x Ives 8190 Pull 3548A-NL-F x Ives 8190 Pull	3348A-TL-F x 392-6 ^{1,2,4} 3548A-TL-F x 392-6 ^{1,2,4}	3348A-TL-F x Ives 8190 Pull ^{1,2,4} 3548A-TL-F x Ives 8190 Pull ^{1,2,4}
Trim Description	388 x Ives 8190 Pull	376T x 392-6	360T x Ives 8190 Pull
Base Size	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d	7 ¹ / ₂ " h x 1 ¹¹ / ₁₆ " w x ⁷ / ₈ " d
Pull Size	10"	6 ¹ / ₄ "	10"
Projection	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "	3 ¹ / ₄ "
ANSI Function	03	11-12	11-12
Cylinder Type	Rim	1 ¹ / ₄ " Mortise Straight Cam	1 ¹ / ₄ " Mortise Straight Cam

Two #425 sex bolts are furnished standard for end case mounting. When exit only (EO) is used, two #325 are furnished for mounting center case.

¹If no cylinder is required specify "BE" blank escutcheon, trim always operable; example 3348A-L-BE-F.

⁴Cylinder collar required for 1¹/₂" cylinders.

²NL function is available by changing orientation of mortise cylinder cam.

³Matching dummy trim is available, order 360L-DT trim.

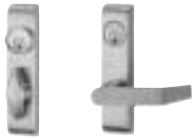
Lever Design Options



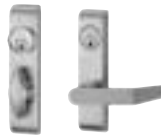
To order, specify:

1. Use suffix lever number, example 3327A-L x 03.

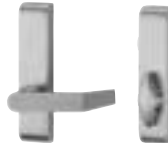
Operation Options — 360 Series Lever and Thumbturn



Standard operation, key locks and unlocks lever or thumbturn. Use dogged* mortise cylinder straight cam.



Night latch operation, lever or thumbturn retracts latch for NL function. Use undogged* mortise cylinder straight cam.



Blank escutcheon, lever or thumbturn always active. Use BE suffix, i.e., 360L-BE.



Blank Escutcheon, rigid lever. Use DT suffix, i.e., 360L-DT.

Operation Options — 374T/376T Series Thumbturn Control



Standard operation, key locks and unlocks thumbturn.



Night latch (NL function) operation, thumbturn retracts latch.

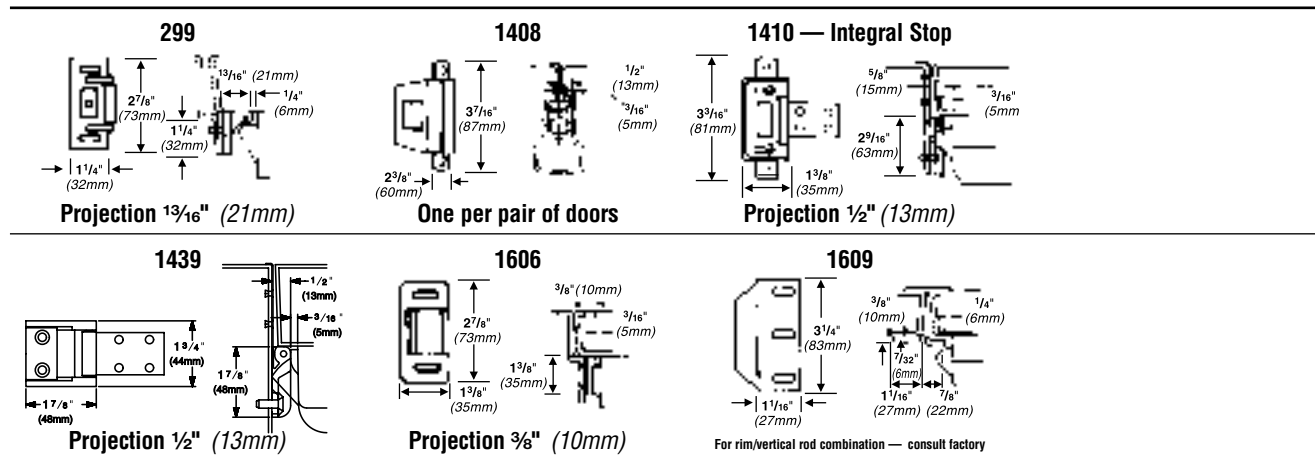
* See page 26 for mortise cylinder information.

Strike Application/Minimum Stile

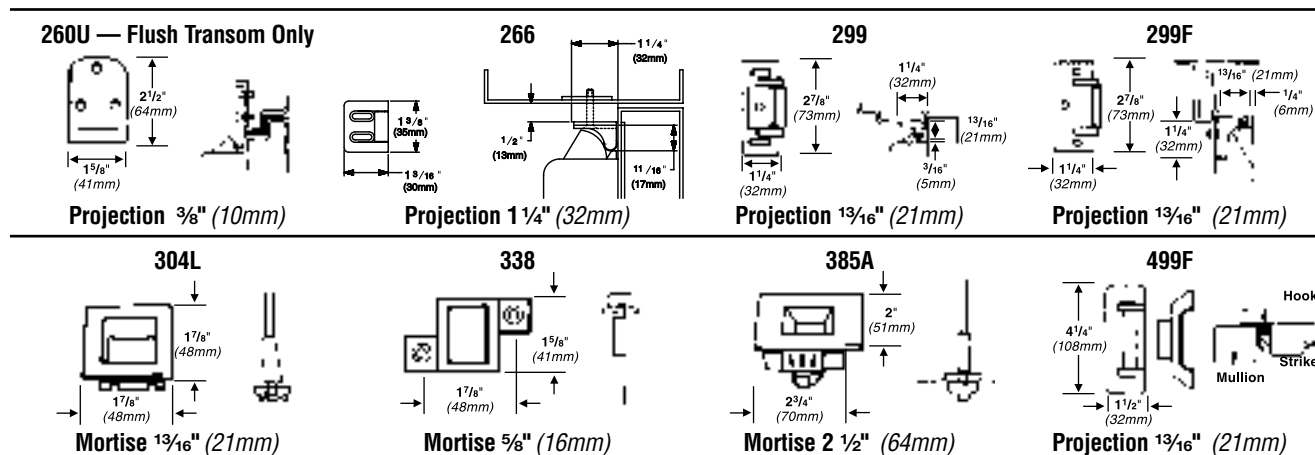
Device Type	Standard		Double door		Optional		Double door	
	Strike	Stile	Strike w/Mullion*	Stile	Strike	Stile	Strike w/Mullion*	Stile
33A					299	2 3/4" (70mm)	299 x 5654	2 5/8" (67mm)
35A	1439	1 3/4" (44mm)	1408 x 5754	1 3/4" (44mm)	1410	1 3/4" (44mm)	299 x 4954	3 5/16" (84mm)
					1606	2 1/2" (64mm)	1606 x 1654	2 3/4" (70mm)
3327A	266 (Top)		266 (Top)		299 (Top)		299 (Top)	
3527A	304L (Bottom)	1 3/4" (44mm)	304L (Bottom)	1 3/4" (44mm)	385A (Bottom)	3 1/8" (79mm)	385A (Bottom)	3 1/8" (79mm)
	248L-4 (Bottom)		248L-4 (Bottom)		260U (Top)		260U (Top)	
					385A (Bottom)	2 1/8" (54mm)	385A (Bottom)	2 1/8" (54mm)
3327A-F			299F (Top)					
3527A-F			304L (Bottom)	2 3/16" (56mm)				
3327A-LBR-F			499F (Top)	3 5/8" (92mm)				
			(Req. Auxiliary Fire Latch)					
3347A								
3547A	338 (Top)	2 1/2" (64mm)	338 (Top)	1 3/4" (44mm)	304L (Bottom)	2 1/2" (64mm)	304L (Bottom)	2 1/2" (64mm)
3348A	385A (Bottom)		385A (Bottom)					
3548A								
3347A-F								
3547A-F			338 (Top)	3 1/2" (89mm)			304L (Bottom)	3 1/2" (89mm)
3348A-F			385A (Bottom)					
3548A-F								
3347A-LBR								
3547A-LBR	338 (Top)	2 1/2" (64mm)	338 (Top)	2 1/2" (64mm)				
3348A-LBR								
3548A-LBR								
3347A-LBR-F								
3547A-LBR-F			338 (Top)	3 5/8" (92mm)				

*Mullion information — Refer to the General and Auxiliary Catalog.

Strikes for Rim Devices



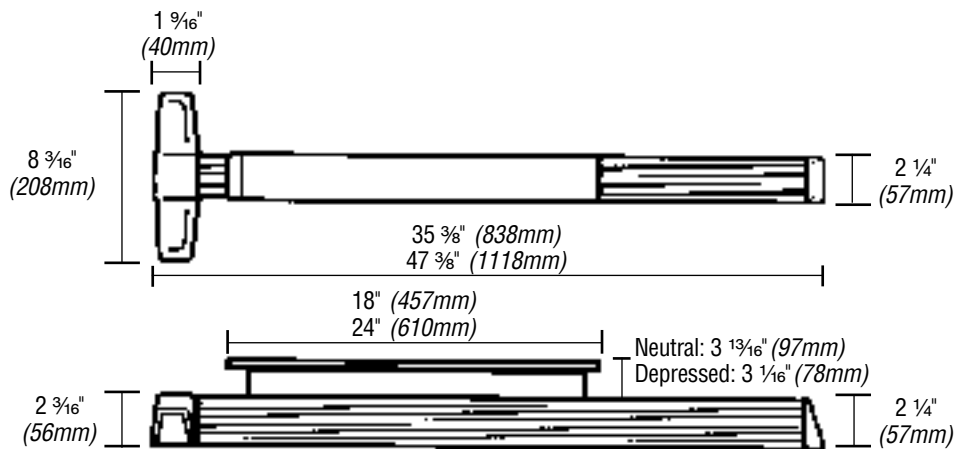
Strikes for Vertical Rod Devices



ANSI Grade, Type & Function

Function	Grade 1, Type 4	Grade 1, Type 5	Grade 1 Type 6, 7 & 8	
01	33A-EO 35A-EO	3327A-EO 3327A-EO-F 3527A-EO 3527A-EO-F	3347A-EO 3347A-EO-F 3348A-EO 3348A-EO-F	3547A-EO 3547A-EO-F 3548A-EO 3548A-EO-F
02	33A-DT 35A-DT	3327A-DT 3527A-DT	3347A-DT 3348A-DT	3547A-DT 3548A-DT
03	33A-NL 33A-NL-OP 35A-NL 35A-NL-OP	3327A-NL-OP 3527A-NL-OP 3327A-NL-OP-F 3527A-NL-OP-F 3527A-NL 3327A-NL-F 3527A-NL 3527A-NL-F	3347A-NL-P 3347A-NL-OP-F 3348A-NL-OP 3348A-NL-OP-F 3347A-NL 3347A-NL-F 3348A-NL 3348-NL-F	3547A-NL-OP 3347A-NL-OP-F 3548A-NL-OP 3548A-NL-OP-F 3547A-NL 3547A-NL-F 3548A-NL 3548-NL-F
08-09	33A-L 35A-L	3327A-L 3327A-L-F 3527A-L 3527A-L-F	3347A-L 3347A-L-F 3348A-L 3348A-L-F	3547A-L 3547A-L-F 3548A-L 3548A-L-F
11-12	33A-TL 35A-TL	3327A-TL 3327A-TL-F 3527A-TL 3527A-TL-F	3347A-TL 3347A-TL-F 3348A-TL 3348A-TL-F	3547A-TL 3547A-TL-F 3548A-TL 3548A-TL-F

Dimensions



Electrical Options

ALK Exit Alarm Kit



The ALK battery alarm kit is a simple yet effective way to monitor the use of an exit device. While still a means of egress, the unit contains an internal horn. When the pushpad is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated.

The key switch uses a standard 1¼" (32mm) straight cam mortise cylinder. The unit operates on one standard 9-volt transistor battery. When the battery is weak the horn will emit an intermittent signal.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the pushpad and is furnished standard, optional latchbolt (LX) monitoring is recommended for use with surface vertical rod exit devices. Specify ALK-LX.

The ALK is available in two styles, 33A/99ALK, grooved cover and 35A/98ALK, smooth cover.

The ALK includes "EMERGENCY EXIT ONLY. ALARM WILL SOUND" decal for application on door.

Minimum Door Sizes

Device	3' (914mm) Length	4' (1219mm) Length
33A/35A	2'9" (838mm)	3'3" (991mm)
3327A/3527A	2'8" (813mm)	3'2" (966mm)
3347A/3347A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)
3348A/3348A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)

Request to Exit — RX



The RX (Request to Exit) feature is used to signal the use of an opening. These devices are equipped with one internal SPDT switch which monitors the pushpad.

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. A continuous current electric transfer must be used for transferring power from the frame to the door.

Note: The RX switch option should not be used to control a load, but as a signalling switch (5.0 amps. maximum). The RX device is now available for use with DE-5101 Delayed Exit Control System; other applications should have approval by the local authority having jurisdiction.

Electrical Ratings:

0.5 Amp., 24 VDC

To order, specify:

1. Use prefix RX, example RX33EO.

Latch Bolt Monitoring — LX



The LX feature is used to signal the use of an opening. These devices are equipped with one internal SPDT switch which monitors the latch bolt.

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. A continuous current electric transfer must be used for transferring power from the frame to the door.

Note: The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

Electrical Ratings:

0.5 Amp. resistive, 24 VDC

To order, specify:

1. Use prefix LX, example LX33A-E0.

Electrical Options

Signal Switch — SS



Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. These devices are equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1 1/4" (32mm) mortise master keyable cylinder straight cam for alarm "bypass."

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. A continuous current electric transfer must be used for transferring power from the frame to the door. Pushpad reads: "EMERGENCY EXIT – PUSH TO OPEN AND SOUND ALARM."

Electrical Ratings:

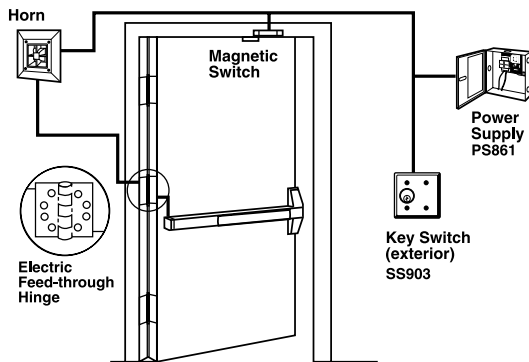
Each switch rated 0.5 Amp. resistive 24 VDC

To order, specify:

1. Use prefix SS, example SS33A-NL.
2. Finish, see page 30 (pushpad finish is US32D only).
3. Handing LHR or RHR
4. Size 3' or 4' (914mm or 1219mm).

Popular SS Application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



Electric Latch Retraction — EL



The EL feature allows for the remote unlocking of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlocking, or for extended periods of time. The EL feature is an alternate to manual dogging.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

This feature does not include the power transfer from door to frame, the power supply, or the control operator.

(Refer to EPT-2 power transfer and the PS-873-2 power supply.)

The 873-2 is minimum option card required. Others available for other functions.

Solenoid Specifications:

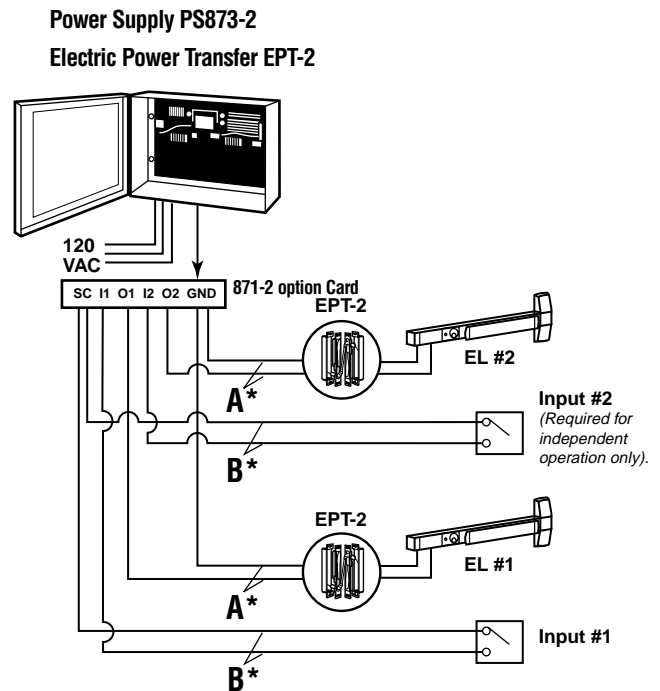
Continuous Duty	24 VDC
Current Inrush	16 Amps
Current Holding (300 milliamps)	0.3 Amps

To order, specify:

1. Use prefix EL, example EL33A-NL.

This system provides both monitoring of the door security as well as remote latch retraction for push-pull operation.

Popular EL Application



EL Device Wire Selection Size

A*	Run Length	EL Device w/EPT or Door Loop
	0-100 ft.	14 gauge
	0-200 ft.	12 gauge

A*	Run Length	EL Device w/Electric Hinge/Pivot
	0-75 ft.	14 gauge
	0-150 ft.	12 gauge

B*	Wire Selection	Switch Wire Size
	1200 ft. Max.	18 gauge

Electrical Accessories

Power Supplies



SERIES PS873

The series PS873 power supply is designed to operate a wide variety of electrical products. EL panics require 871-2 PCB minimum. The regulated output power is field selectable for either 24VDC @ 2 ampere or 12VDC @ 4 ampere. Standard input 120VAC @ 1.0 ampere or 240VAC @ 0.5 ampere available. Enclosure is 10" high x 12½" wide x 5" deep (254mm x 323mm x 127mm), gray with a hinged cover and constructed of heavy 19 gauge steel. Five ½" x ¾" (13mm x 19mm) knockout holes are provided for conduit connection. Terminal block will accept up to 12 gauge wire.

The PS873 can be ordered with three standard options: **Key lock** secures the cover to eliminate tampering and provides safety; **Battery backup** provides two hours backup power at full load during a A.C. power failure; **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.

Eight standard configurations:

PS873	Standard
PS873K	With keylock
PS873B	With battery
PS873BK	With battery and keylock
PS873FA	With fire alarm
PS873K-FA	With keylock and fire alarm
PS873B-FA	With battery and fire alarm
PS873BK-FA	With battery, keylock and fire alarm

The series PS873 is available with several optional circuit cards to provide system flexibility. The power supply will accept one or a combination of any two cards.

Factory or Field Installed Circuit Cards:

871-2, Two Zone controller provides two inputs and two outputs. Use suffix "-2" for factory installed. Will operate one or two EL exit devices.

873-AL, Alarm function monitors 1 or 2 zones and provides alarm output, upon detecting a door in the open position. Delayed alarming is selectable from 5 to 75 seconds. Use suffix "-AL" for factory installed.

873-AO, Auto Operator function coordinates the release of one or two locks and signals an auto-operator to open a door. Signaling the auto operator can be performed in two methods; by receiving a signal from a monitoring switch that the lock is unlatched, or upon expiration of a time delay triggered by a "RX" type input switch. Use suffix "-AO" for factory installed.

873-SI, Security/Safety Interlock provide interlock function for two zones. When combined with a second 873-SI card, the inter-locking of groups are available in two, three or four zones. Safety interlock is available, consult factory for additional information. Use suffix "-SI" for factory installed.

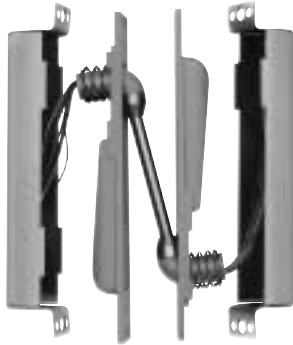
873-4TD, Four Zone controller with **Time Delay** provides four inputs and four outputs with time delay. Time delay is field selectable from 0 to 75 seconds, in intervals of 5 seconds. Use suffix "-4TD" for factory installed.

873-AC, Access Control provides supervision of one zone using an electromagnetic lock. Input signals required are: access control contact, motion detector contact, and motion detector override contact. FA, Fire Alarm option is required. Use suffix "-AC".

Factory Installed Only Circuit Cards: 873-DE, Delayed Egress function ideal for use with electromagnetic locks, will operate two zones simultaneously. To operate two separate zones, a second 873-DE card is required. UL listed component, when used as part of a Von Duprin delayed egress system. Use suffix "x DE".

Electrical Accessories

Electrical Power Transfer — EPT



Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideally suited for installations involving abuse or heavy traffic.

Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires.

Door applications; up to 5" butt hinges – 180° swing, 5 ½" butt hinges – 130° swing, 6" butt hinges – 110° swing, ¾" butt offset pivots 180° swing.

Finishes

SP28 (sprayed aluminum) or SP313 (sprayed duranodic).

Dimensions

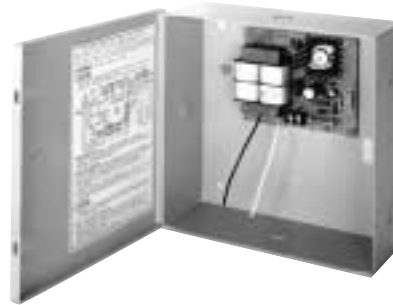
Housing	9" x 1 ¼" x 1 ⅝" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires Rating, 24VDC 2 amperes, 16 amperes maximum surge.
EPT-10	Ten 24 gauge wires, 24 VDC 1 ampere

To order, specify:

1. EPT-2 or EPT-10.
2. Finish, SP28 or SP313.

Power Supplies

Series PS861



**Standard
UL Listed
Class 2, Power Supply
UL1012
UL1310**

The series PS861 power supply is designed for electric locking or monitoring on single or double door applications. The output power is field selectable for either 24 VDC @ 1 ampere or 12 VDC @ 2 ampere. Standard input 120 VAC @ 0.6 ampere and 240 VAC @ 3.0 ampere available. The terminal block will accept up to 14 gauge stranded wire.

The gray enclosure is 10" x 10" x 4" (254mm x 254mm x 102mm), has a hinged cover, and is constructed of heavy 19 gauge steel. Six ½" (13mm) knockout holes are provided for conduit connection.

Options include keylock cover and sealed lead acid battery pack. The pair of batteries will provide back-up power for three hours at full load or seven hours at half load. Batteries will automatically recharge when failed power is restored.

Four Models:

PS861	Standard supply
PS861K	Standard supply with keylock cover
PS861B	Battery backup
PS861BK	Battery backup and keylock cover
PS861BKFA	Battery backup and keylock cover with FA board (24VDC only)

PS9 Power Supply

The PS9 is an AC power supply that provides 9 VDC power to operate the ALK alarm kit. The unit will power one or two alarm kits. Included is a 9-volt sealed battery that provides backup power in case of an AC power failure. PS9 must be ordered separately.



Accessories

Vertical Rod and Latch Guard — RG-27

Series RG-27 Vertical Rod and Latch Guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.

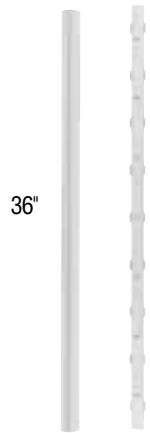
Models

RG0 — Rod guard only (Projection 1 3/16").

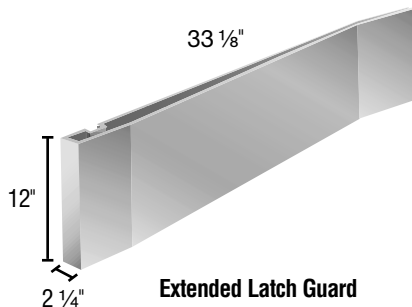
RG-27 — Rod and latch guard.

RG-27-3 — 3' (914mm) Extended rod and latch guard.

RG-27-4 — 4' (1219mm) Extended rod and latch guard.



RG0 — Rod and latch guard.



Extended Latch Guard

LGO — Latch guard only.

LGO-3 — 3' (914mm) Extended latch guard only.

LGO-4 — 4' (1219mm) Extended latch guard only.

To order, specify:

1. Model number

Dummy Pushpad



The 330 dummy pushpad is designed as a companion unit for all 33A devices. The 350 dummy pushpad is a companion unit for all 35A devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 386DT, 360L-DT trim or any Ives Pull.

To order, specify:

1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, see page 30.

Cylinder Dogging — CD



Cylinder dogging is available on all 33A/35A Panic Exit devices to replace the standard hex key dogging. Unit requires a standard 1 1/4" (32mm) mortise cylinder straight cam.

To order, specify:

1. Use prefix, CD, example CD33A-NL-TP.

Cylinder Dogging Kit — CDK

For field conversion, a cylinder dogging conversion kit is available. Cannot be added to fire exit hardware.

Order: 33A/99CDK or 35A/98CDK, specify finish.

Hex Key Dogging Kit — HDK

For field conversion, a hex key dogging conversion kit is available. Cannot be added to fire exit hardware.

Order: 33A/99HDK or 35A/98HDK, specify finish.

Glass Bead Kit — GBK

Glass bead conversion kits are available for all 33A/35A Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets.

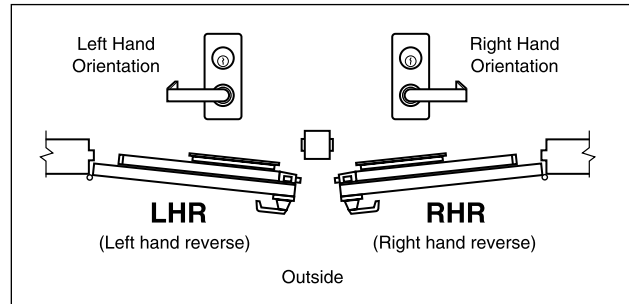
To order, specify:

1. 33A/35A GBK.
2. Device type (rim, surface vertical and concealed vertical rod.)
3. Specify Finish.

UL Listed — Fire Exit Hardware Label/ Opening Size

Double Door		
Exit Device	Same Direction	Double Egress
3327A-F	90 Min. 8' x 10'	3 Hour 8' x 10'
3527A-F	90 Min. 8' x 10'	3 Hour 8' x 10'
3347A-F	90 Min. 8' x 10'	3 Hour 8' x 10'
3547A-F	90 Min. 8' x 10'	3 Hour 8' x 10'
3347A-F-WDC	90 Min. 8' x 9'3"	90 Min. 8' x 9'3"
3547A-F-WDC	90 Min. 8' x 9'3"	90 Min. 8' x 9'3"
3348A-F	90 Min. 8' x 10'	3 Hour 8' x 10'
3548A-F	90 Min. 8' x 10'	3 Hour 8' x 10'

Handing of Doors

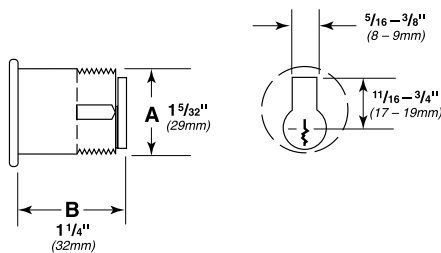


Cylinders

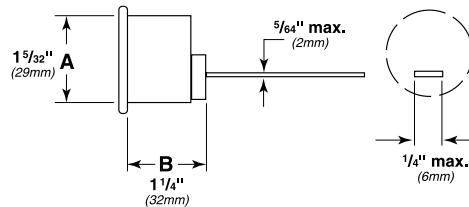
Cylinders are not furnished with device or trim and must be specified when ordering. Rim, surface vertical rod, and concealed vertical rod exit devices use rim type cylinders. **EXCEPTION:** Devices using 360 and 370 controls use 1 1/4" mortise cylinders.



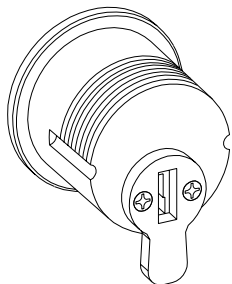
Mortise — 3215 (Schlage B502-191 cam)



Rim 3216

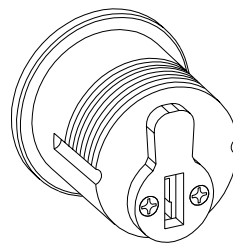


Dogged Cam



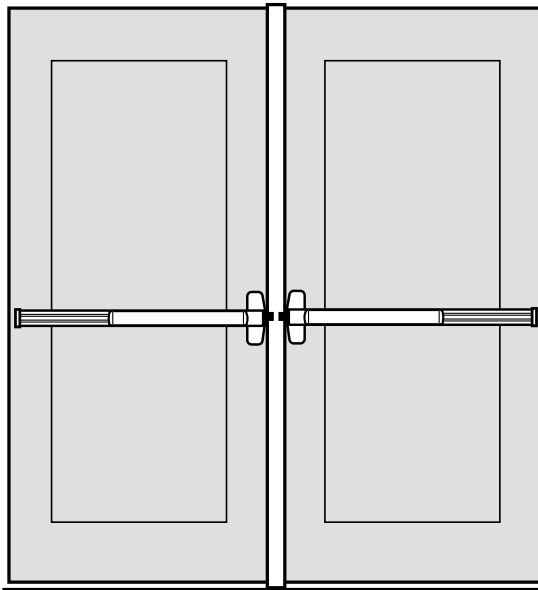
For standard locking trim on 360 controls
and for Cylinder Dogging.

Undogged Cam

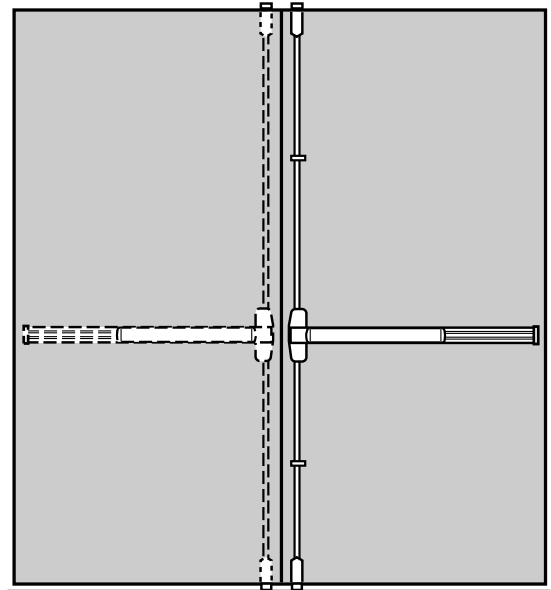


For NL function on 360 controls.

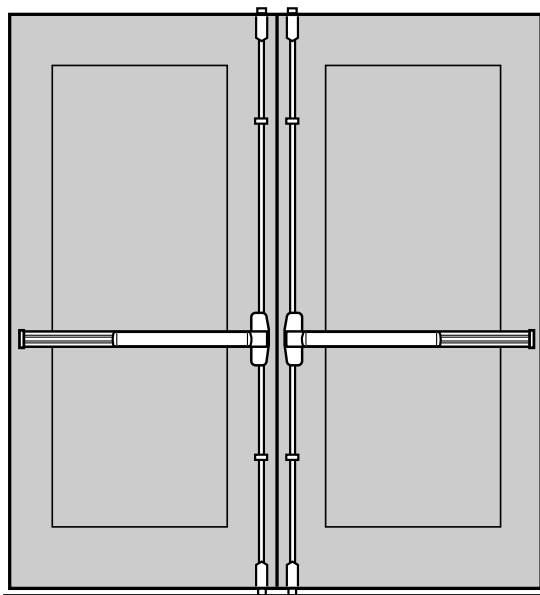
Popular Double Door Applications



Two rim devices with mullion — same direction



Two vertical rods — double egress



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

Rim devices, specify:

- Exit device model number with trim selection.
Examples: 33A-EO (exit only with no outside trim).
33A-NL (includes 386NL trim). 33A-NL-OP
(includes the 388 trim less pull).
- Size 4' (1219mm) for door sizes 3'1" (940mm) to 4' (1219mm).
Size 3' (914mm) for door sizes 2'6" (792mm) to 3' (914mm)
is shipped standard.
- Door thickness if other than 1 3/4" (44mm).
- Door and frame material if other than hollow metal.
- Finish, see page 30.
- Handing required on "L," "SS," or "386NL." Specify LHR or RHR.
See page 26.

Vertical rod devices, specify:

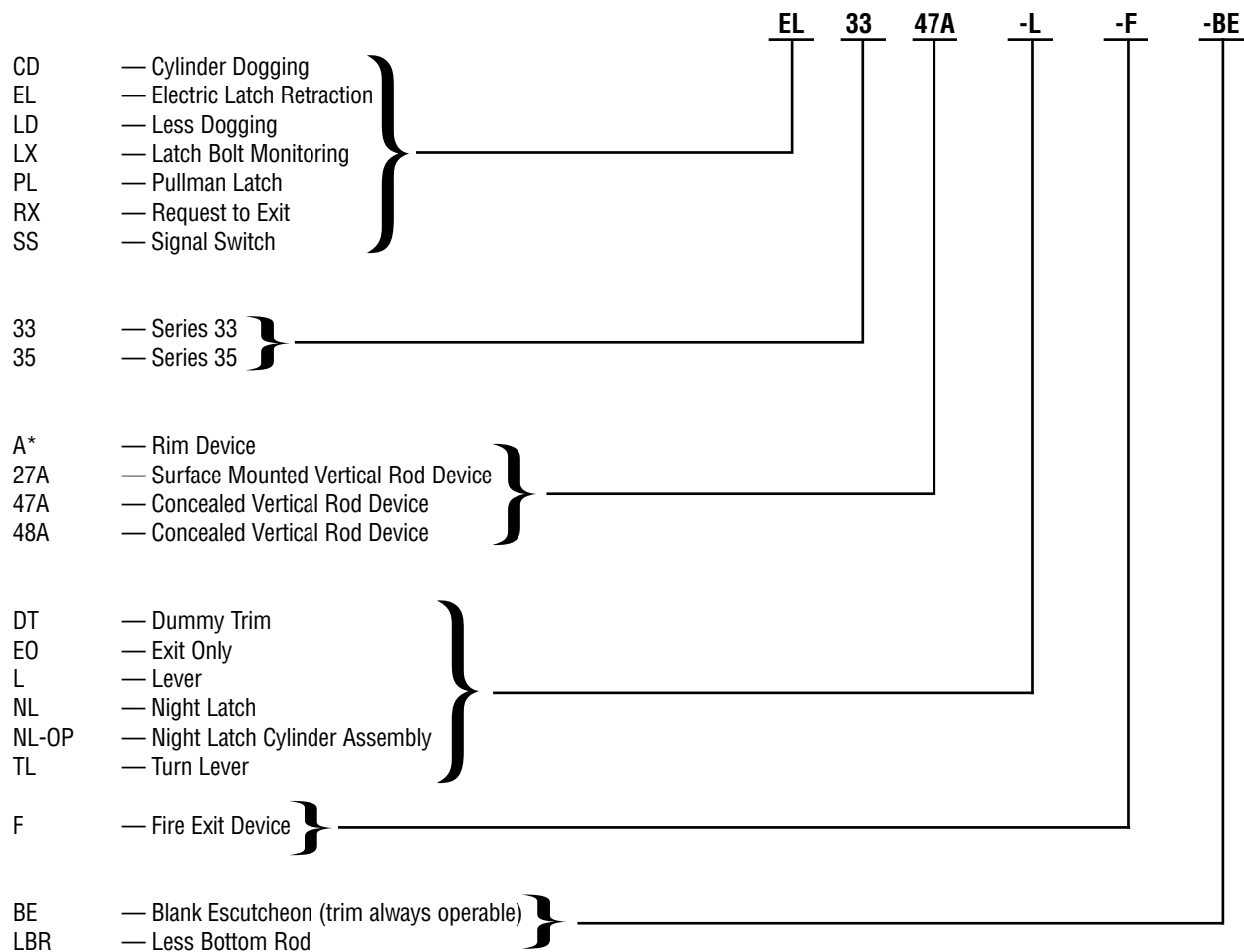
- Exit device model number with trim selection.
Examples: 3327A-EO (exit only with no outside trim.)
3327A-TL-OP (includes 360T Control) 3327A-TL (includes 374T
and 386DT).
- Size 4' (1219mm) for door sizes 3'1" (940mm) to 4' (1219mm).
Size 3' (914mm) for door sizes 2'6" (792mm) to 3' (914mm)
is shipped standard.
- Door thickness if other than 1 3/4" (44mm).
- Door height if greater than 7' (2134mm) surface vertical rod
device (8' 4" for concealed devices), extension rods must be
ordered.
- Door and frame material if other than hollow metal.
- Finish, see page 30.
- Handing required on "L," "SS," or "386NL." Specify LHR or RHR.
See page 26.

Pullman latches are optional for 3327A/3527A devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required.

Device trim, specify:


Existing Trim/Control	Status	New/Replacement
333NL-TP	Replaced	386NL
333DT	Replaced	386DT
337NL-TP	Replaced	386NL
337DT	Replaced	386DT
334	Replaced	388
334 x 550	Replaced	388 x 550
370L	Replaced	360L
370T	Replaced	360T
372L	Replaced	360L
374T x 333DT	Replaced	374T x 386DT
-----	New	374T x 392-6
376T x 337DT	Replaced	376T x 386DT
-----	New	376T x 392-6
3308NL	Obsolete	-----
3308DT	Obsolete	-----
-----	New	388 x Ives 8190 Series Pull
-----	New	360T x Ives 8190 Series Pull

Nomenclature



* "A" suffix indicates new generation design of 33/35 exit devices.

Finishes*

Color	US Number	BHMA Number
 Chromium, Polished	US26	625
 Anodized, Aluminum	US28	628
 Chromium, Dull	US26D	626
 Brass, Polished	US3	605
 Brass, Dull	US4	606
 Bronze, Dull	US10	688
 Anodized Duranodic (Dark Bronze)	313AN	710
 Anodized Black	315AN	—

Pushpad Options — Knurled —
 Embossed "Push," bronze or stainless steel,
 Braille (Caution-Stairwell), satin stainless steel
 SS – (EMERGENCY EXIT – PUSH TO OPEN AND SOUND ALARM)

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

33A/35A Series Exit Devices



Visit Von Duprin on the web
www.vonduprin.com



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