

VON DUPRIN®

33A/35A™
Series

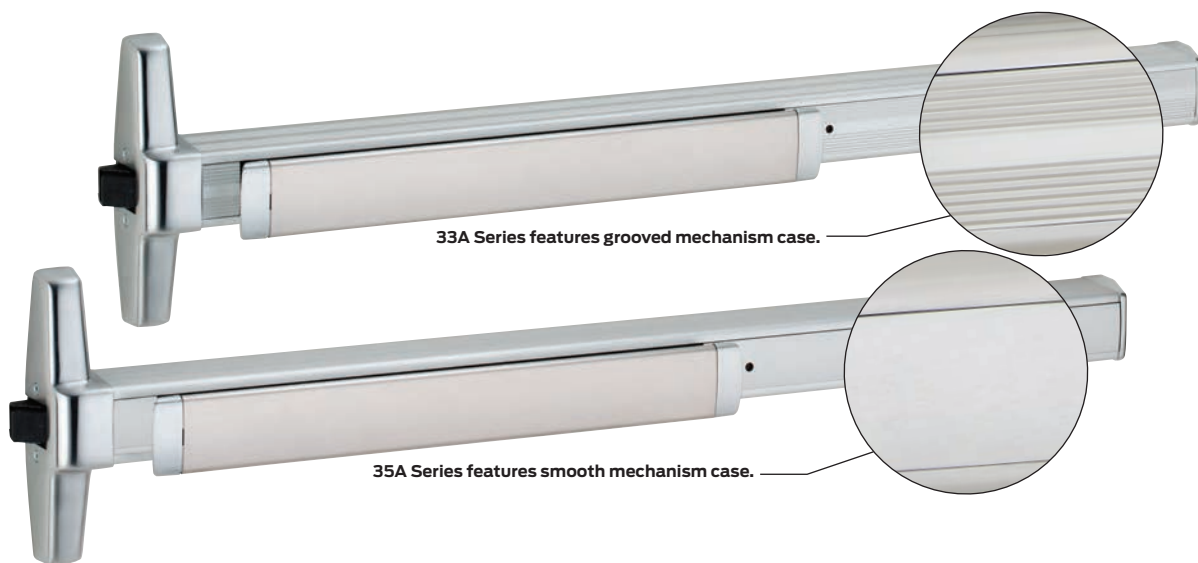
Exit devices



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.

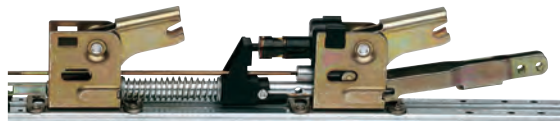
It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



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.

The Quiet One®

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



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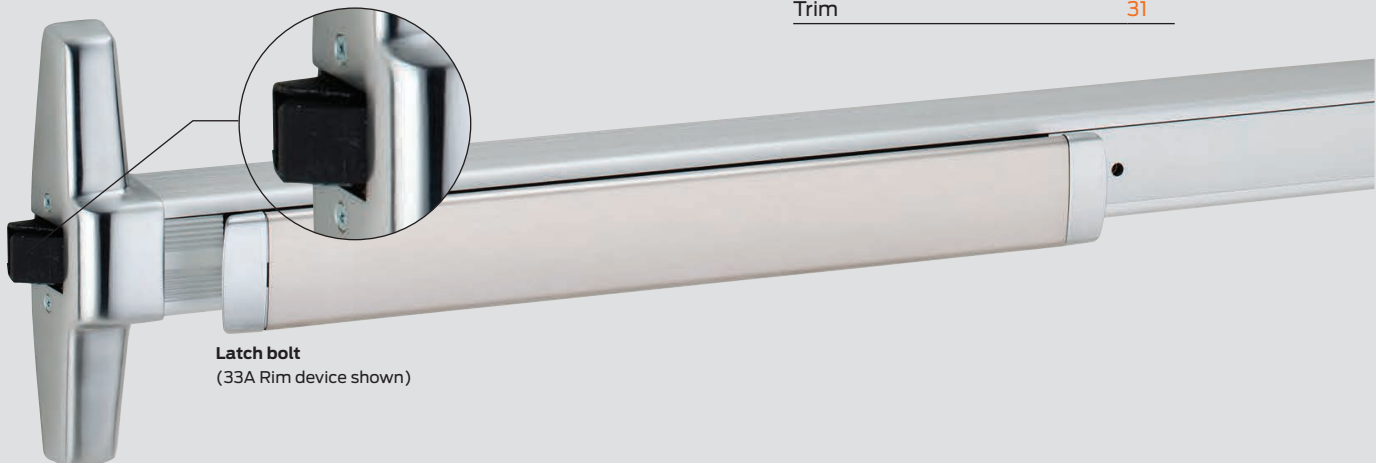
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Deadlocking latchbolt

Deadlocking latchbolt prevents forced latchbolt retraction providing higher security for your openings.



Latch bolt
(33A Rim device shown)

Options and accessories

Applications & trim operation	Trim selection Optional trim
Trim options	Optional levers Optional trim Trim selection Operation options
Strike options	Optional strikes
Additional information	ANSI Grade, type & function Device dimensions Finishes Fire label ratings/applications Handing How-to-order information Nomenclature Popular double door applications Minimum stile information

Symbols

 Indicates fire rated application  Indicates ADA products

Electrical options	ALK Exit alarm kit CX Chexit delayed exit RX Request to exit WP-RX Request to exit E-Trim LX Latch bolt monitoring EL Electric latch retraction QEL Electric latch retraction SS Signal switch PN Pneumatic LBR/LBL Less bottom rod/latch PL Pullman Latch RG-27 Vertical rod and latch guard Dummy pushpad CD Cylinder dogging CDK, HDK Cylinder dogging and Hex key dogging kits GBK Glass bead kit Cylinders CON Allegion Connect
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Electrical accessories	Power supplies PS902 PS914 EPT Electric power transfer
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How to order information

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 2' 10" (940mm) to 4' (1219mm). Size 3' (914mm) for door sizes 2' 4" (792mm) to 3' (914mm) is shipped standard.
- Door thickness if other than 1 3/4" (44mm).
- Door and frame material if other than aluminum.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

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 2' (1219mm) for door sizes 2' (610mm). Size 3' (914mm) for door sizes 2' 2" (792mm) to 3' (914mm) is shipped standard. Size 4' (1219mm) for door sizes 2' 8" (940mm) to 4' (1219mm).
- 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) or extension rods will be supplied.
- Door and frame material if other than aluminum or hollow metal.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Pullman latches are optional for 3327A/3527A and 3347A/3547A devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required.

Device trim, cross-reference*:

33/35 Devices	Status	33A/35A Devices
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

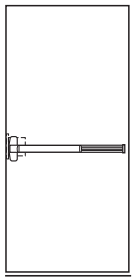
*New trims not compatible with old devices, neither are old trims with new devices.

Nomenclature – how to order

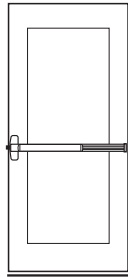
		EL	33	27A	-L	-16	-F	LBR	3'	US3	RHR
CD	Cylinder dogging - panic only										
CX	Chexit delayed egress										
EL	Electric latch retraction										
HD-EL	Electric latch retraction with hex dogging										
QEL	Quiet electric latch										
HH	Hurricane										
LD	Less dogging										
LX	Latchbolt monitoring										
LX-LC	Latch bolt monitor low current										
LX-RX	Latchbolt monitor / request to exit										
LX-RX-LC	Latchbolt monitor / request to exit low current										
PL	Pullman latch										
PN	Pneumatic										
RX	Request to exit										
RX-LC	Request to exit low current										
RX2	Request to exit double switch										
SS	Signal switch										
AX	Accessible device										
WP-RX	Waterproof request to exit										
35A	Series 35A-smooth										
33A	Series 33A-grooved										
A	Rim device										
27A	Surface mounted vertical rod device										
47A	Concealed vertical rod device										
48A	Concealed vertical rod device										
49A	Concealed vertical cable device										
DT	Dummy trim										
EO	Exit only										
L	Lever (classroom)										
L-BE	Lever-blank escutcheon (passage)										
L-DT	Lever-dummy trim										
L-NL	Rigid Lever - Night latch (key retracts latchbolt)										
NL	Night latch (key retracts latchbolt)										
NL-OP	Night latch cylinder assembly – optional pull										
T	Thumbturn										
TL	Turn Lever										
T-BE	Thumbturn-blank escutcheon										
TL-BE	Turn Lever-blank escutcheon (Passage)										
XX	Lever Style 06 standard Optional 01, 02, 02KN, 03, 03KN, 05, 06KN, 07, 12 (handed), 16, 17, 17KN, 18, ACC, AST, MER, STA										
F	Fire Exit Device - Rim, 27A, 47A, 48A, 49A Only										
LBR	Less Bottom Rod										
LBL	Less Bottom Latch										
ALK	Standard Alarm Kit										
ALK-AR1	Auto-Reset 1½ minute alarm kit										
ALK-AR3	Auto-Reset 3 minute alarm kit										
ALK-AR6	Auto-Reset 4½ minute alarm kit										
CON	Allegion Connect										
2'	2' Device (2' Door Size) 27A, 47A or 49A only										
3'	3' Device (2' 4"– 3' Door Size)										
4'	4' Device (2' 10"– 4' Door size)										
Finishes	US3, US4, US10, US15 (35A only), US26, US26D, US26D-AM, US28, 313, 315										
HR	Handing – RHR or LHR										

Popular double door applications

Single door applications

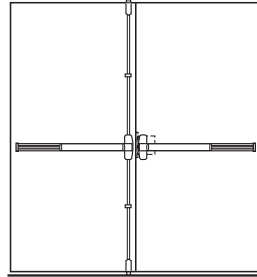


Single mortise lock device

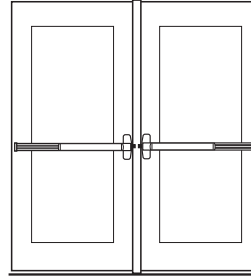


Single rim device

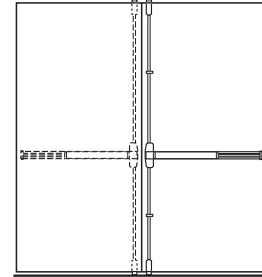
Double door applications



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

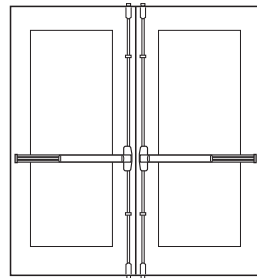
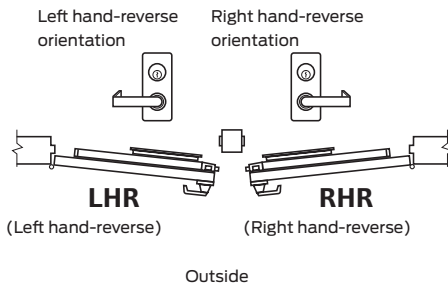


Two rim devices with mullion—same direction

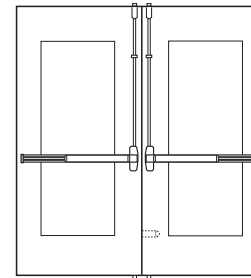


Two vertical rods—double egress

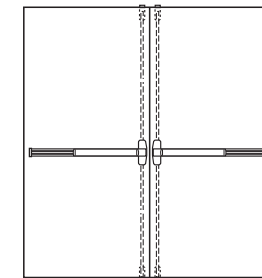
Door handing



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



Two Fire Exit Hardware vertical cables/rods with auxiliary fire latch-LBR option



Two concealed vertical cables/rods

Trim Operation lever

Standard



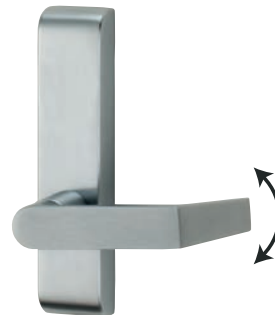
Key locks and unlocks lever. e.g., 360L (Classroom)

Night latch



Key unlocks lever, lever is relocked when key is removed. Use NL suffix, e.g., 360LNL (Storeroom)

Blank escutcheon



Lever always active. Use BE suffix, e.g., 360L-BE. (Passage)

Dummy



Lever is rigid for pull operation. Use DT suffix, e.g., 360L-DT.

374T/376T Series thumbturn control



Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 1/2" mortise cylinder with a straight cam. Schlage cam reference B502-191. Not available for 3349/3549 devices.

E360 Series controls

The E360 series controls provide the same choice of lever or thumbturn control of the 33A/35A Series exit device. Additionally, these trims have the advantage of being electrically controllable by a remote switching device, an access control system or automatic fire alarm system. The trim operates with a rotary solenoid that controls the locking cam the same way the standard cylinder works. These trims are available as -BE (Blank Escutcheon) function only. These trims are designed for use with the rim, surface vertical and concealed vertical 33A/35A Series exit device. No cylinder override.

Options:

- Available in all device finishes
- 24VDC Solenoid (.5 amp draw)
- Fail Safe (FS) or Fail Secure (FSE)
- Blank Escutcheon (BE) only

To order, specify:

1. FSE or FS
2. Handing - (Lever control) field reversible
3. EPT-2/EPT-10 Power Transfer or Electric Hinge will be used

Lever styles



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 ..



M61
(Handed)



M62 ..
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

.. Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



STA
(St. Annes)
(Handed)







LAT*
Latitude







LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

Standard trim

	EO	DT	NL	NL-OP
				
Product description	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁹ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x360L-DT x550DT x IVES 8190	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
Product description	33A-L 35A-L	33A-L-BE 35A-L-BE	33A-T 35A-T	33A-T-BE 35A-T-BE
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate

Notes

3347A/3547A Concealed vertical rod device



3347A and 3547A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 3547A has a smooth mechanism case and the 3347A has grooved case. The concealed vertical rod device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3347A/3547A fits door stiles as narrow as 2-1/8" (44 mm), wood door stiles as narrow as 4" (102mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.



Specifications

Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1006mm)
Center case dimensions	8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt ⁵ / ₈ " (16mm) throw
Door undercut	¹ / ₄ " (7mm)
Top & bottom latch	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (89mm x 38mm x 25mm)
Vertical rods	Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44mm) – 2 ¹ / ₄ " (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PL Pullman latch PN Pneumatic HH Hurricane INS-2/INS-4 Insulclad kits 1/2" / 1/4" panels LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

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

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

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

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CON
Allegion Connectors

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

DI
Dogging Indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1¹/₄" mortise cylinder