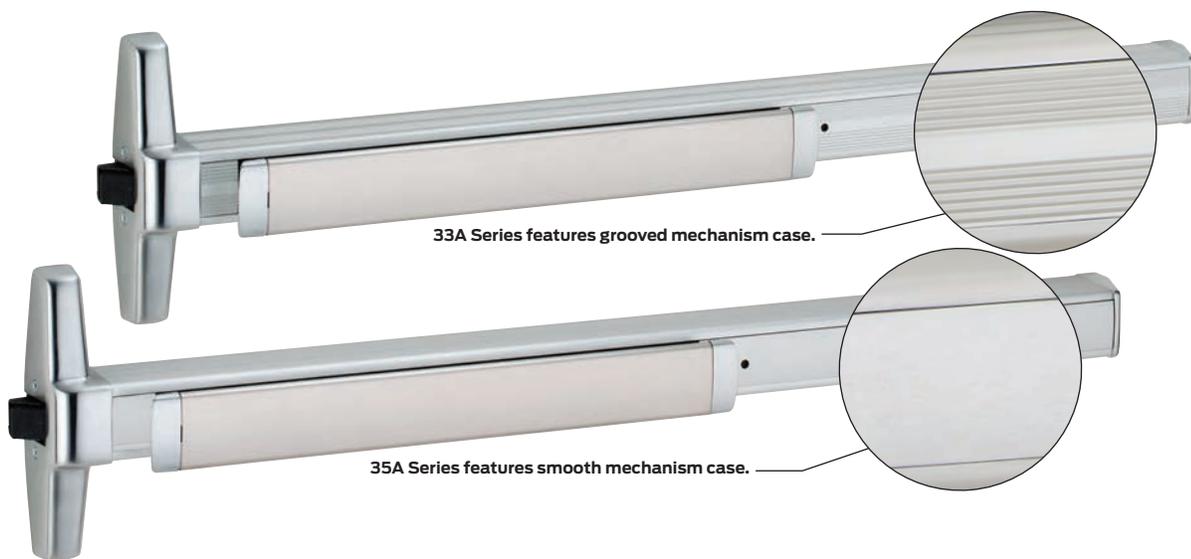# VON DUPRIN®

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.

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.

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.

Table of contents

Deadlocking latchbolt
Deadlocking latchbolt prevents forced latchbolt retraction providing higher security for your openings.
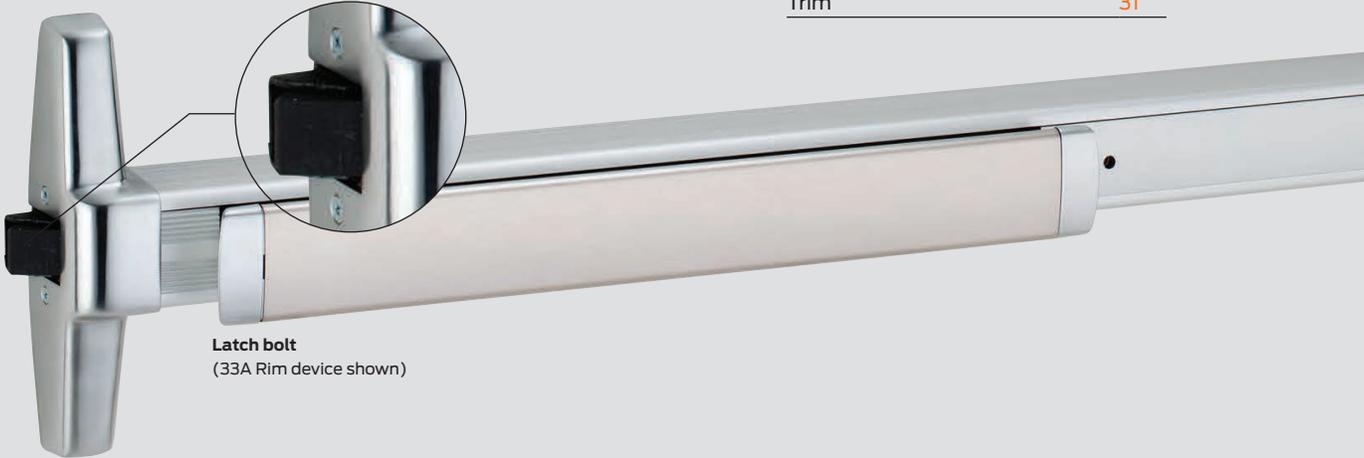
Latch bolt
(33A Rim device shown)

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

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

Electrical accessories	**Power supplies** PS902 PS914 **EPT** Electric power transfer

Symbols

🔥 Indicates fire rated application   ♿ Indicates ADA products

How to order information

Rim devices, specify:

1. 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).

2. 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.

3. Door thickness if other than 1 $^3/_4$" (44mm).

4. Door and frame material if other than aluminum.

5. Finish, see page 38.

6. Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Vertical rod devices, specify:

1. 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).

2. 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).

3. Door thickness if other than 1 $^3/_4$" (44mm).

4. Door height if greater than 7' (2134mm) surface vertical rod device (8' 4" for concealed devices) or extension rods will be supplied.

5. Door and frame material if other than aluminum or hollow metal.

6. Finish, see page 38.

7. 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

Code	Description
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

Code	Description
35A	Series 35A-smooth
33A	Series 33A-grooved

Code	Description
A	Rim device
27A	Surface mounted vertical rod device
47A	Concealed vertical rod device
48A	Concealed vertical rod device
49A	Concealed vertical cable device

Code	Description
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)

Code	Description
XX	Lever Style 06 standard Optional 01, 02, 02KN, 03, 03KN, 05, 06KN, 07, 12 (handed), 16, 17, 17KN, 18, ACC, AST, MER, STA

Code	Description
F	Fire Exit Device - Rim, 27A, 47A, 48A, 49A Only

Code	Description
LBR	Less Bottom Rod
LBL	Less Bottom Latch
ALK	Standard Alarm Kit
ALK-AR1	Auto-Reset $1^1/_2$ minute alarm kit
ALK-AR3	Auto-Reset 3 minute alarm kit
ALK-AR6	Auto-Reset $4^1/_{22}$ minute alarm kit
CON	Allegion Connect

Code	Description
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)

Code	Description
Finishes	US3, US4, US10, US15 (35A only), US26, US26D, US26D-AM, US28, 313, 315

Code	Description
HR	Handing – RHR or LHR

Popular double door applications
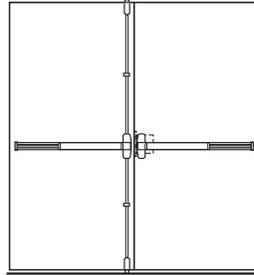
Single door applications
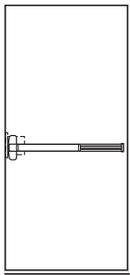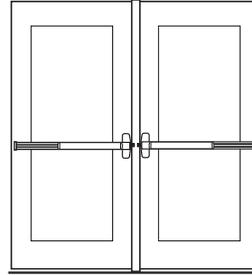
Single mortise lock device
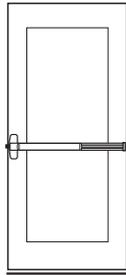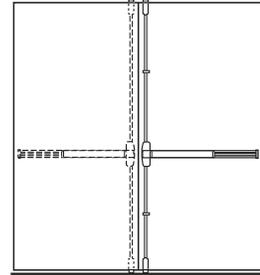
Single rim device

Double door applications

Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction
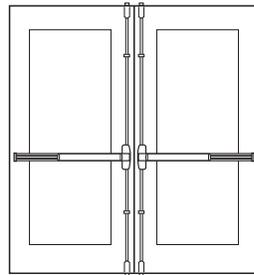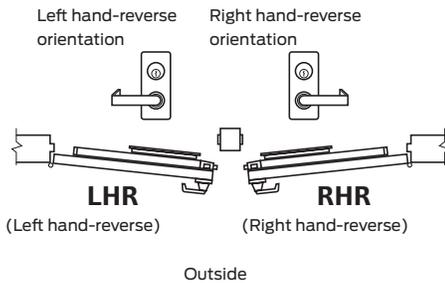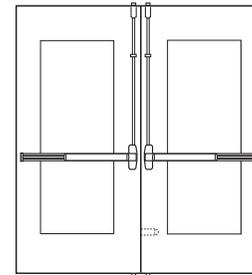
Two rim devices with mullion—same direction

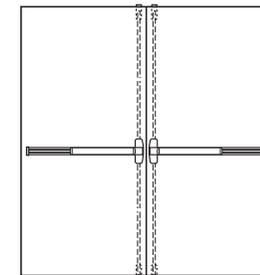Two vertical rods—double egress

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

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

Two concealed vertical cables/rods

Door handing

Left hand-reverse orientation

Right hand-reverse orientation

LHR
(Left hand-reverse)

RHR
(Right hand-reverse)

Outside

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
	No outside trim Exit only	**Dummy trim** Pull when dogged	**Night latch** Key retracts latchbolt	**Night latch** Key retracts latchbolt optional pull required
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 $4^{5}/_{16}$" (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
	Lever Key Locks and Unlocks	**Lever Blank Escutcheon** Always Operable (No Cylinder)	**Thumbturn** Key Locks and Unlocks	**Thumbturn** Always Operable (No Cylinder)
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 $^{7}/_{8}$" (190x43x22mm)	$7^{1}/_{2}$" x $1^{11}/_{16}$" x $^{7}/_{8}$" (190x43x22mm)	$7^{1}/_{2}$" x $1^{11}/_{16}$" x $^{7}/_{8}$" (190x43x22mm)	$7^{1}/_{2}$" x $1^{11}/_{16}$" x $^{7}/_{8}$" (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

3327A/3527A Surface mounted vertical rod device

3327A and 3527A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 3527A has a smooth mechanism case and the 3327A has grooved case. The surface 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.

3327A/3527A fits door stiles as narrow as 1³/₄" (44mm). 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.

Top Latch

266 Top Strike

248L-4 Bottom Strike for use with Threshold

304L

Bottom Latch

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	39¹³/₁₆" (1006mm)
Center case dimensions	8¹³/₁₆" x 2¹³/₃₂" x 1⁹/₁₆" (208mm x 62mm x 40mm)
Mechanism case dimensions	2¹/₄" x 2¹/₄" (57mm x 57mm)
Projection	Pushbar neutral – 3¹³/₁₆" (97 mm) Pushbar depressed – 3¹/₁₆" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt ⁵/₈" (16mm) throw
Door undercut	¹/₄" (7mm)
Top & bottom latch	4¹/₂" x 2¹/₈" x 1¹/₂" (114mm x 54mm x 38mm)
Vertical rods	¹/₂" square tubing, standard rods accommodate 7'(2134mm) door Top rod length is 34¹⁵/₁₆" (887mm) Bottom rod length is 31¹/₄" (794mm) Extension rods available 1' (205mm) or 3' (914mm) for doors over 7' One piece top rod available for 8' (2438mm) -10' (3048mm) door
Fasteners & sex bolts (SNB)	Includes 1³/₄" (44mm) – 2¹/₄" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device) #325 SNB furnished for top and bottom latches
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 **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 – **266** – Dull black, bottom – **248L4 & 304L** – 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

DI
Dogging Indicator
· Monitor dogging status without a control panel
· Red indicator light shows visibility to dogging from over 75 feet

CON
Allegion Connectors
· Common connectors to connect various door hardware all the way to the power supply

EL
Electric latch retraction
· Enables remote unlatching
· Alternative to manual dogging

PN
Pneumatic latch retraction
· For areas where electrical devices banned
· Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging
· Replaces hex key dogging
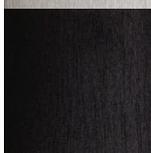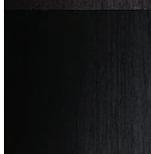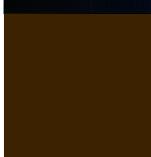· Requires standard 1¹/₄" mortise cylinder

33A/35A Finishes

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

Color	US number	BHMA number
Bronze, dull	US10	612
Satin nickel Available for 35A ONLY	US15	619
Satin stainless steel	US32D	630
Duranodic dark bronze	313	710
Black, painted (not flat powder)	SPBLK	693
Flat Black	US19/ 315	622/711
Aged bronze	–	643e

Special finishes

Color	US number	BHMA number
Satin chrome, Antimicrobial	US26D-AM	626-AM
Satin stainless steel, antimicrobial	US32D-AM	630-AM

Pushpad Options — Knurled
Embossed "Push"
Braille (Caution-Stairwell), satin stainless steel only
RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

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

Finishes