

**VON DUPRIN®**

# 33A/35A™ Series

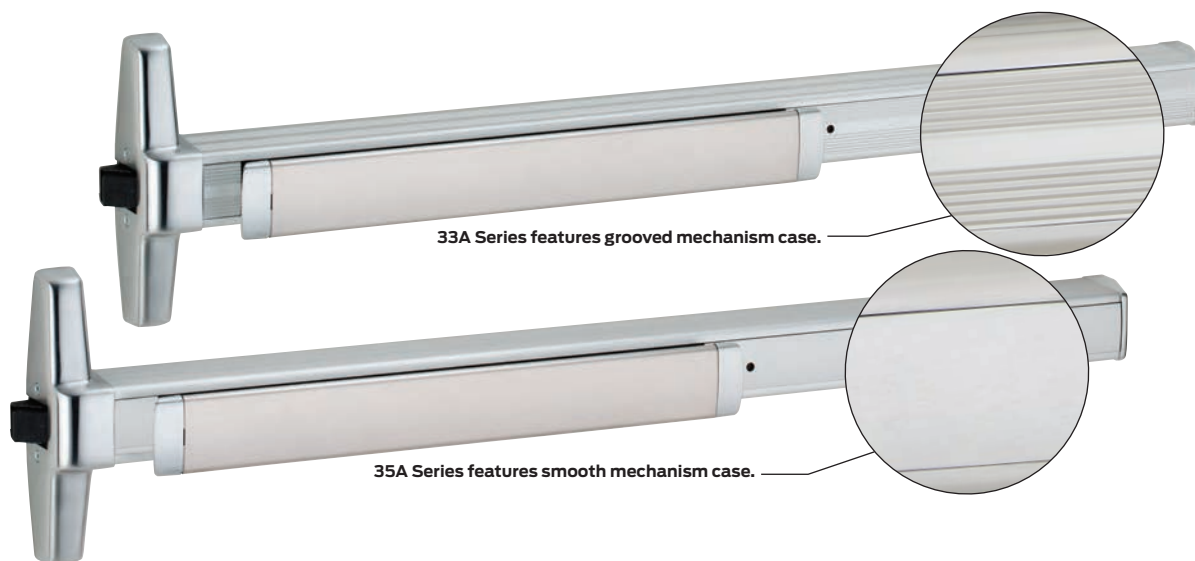
Exit devices



# 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.

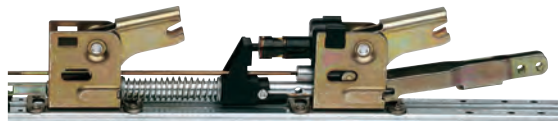
It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



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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## Table of contents

### Exit hardware

#### Rim devices

33A/35A	8
Trim	9

#### Surface mounted Vertical rod devices

3327A/3527A	12
Trim	13

#### Concealed vertical rod devices

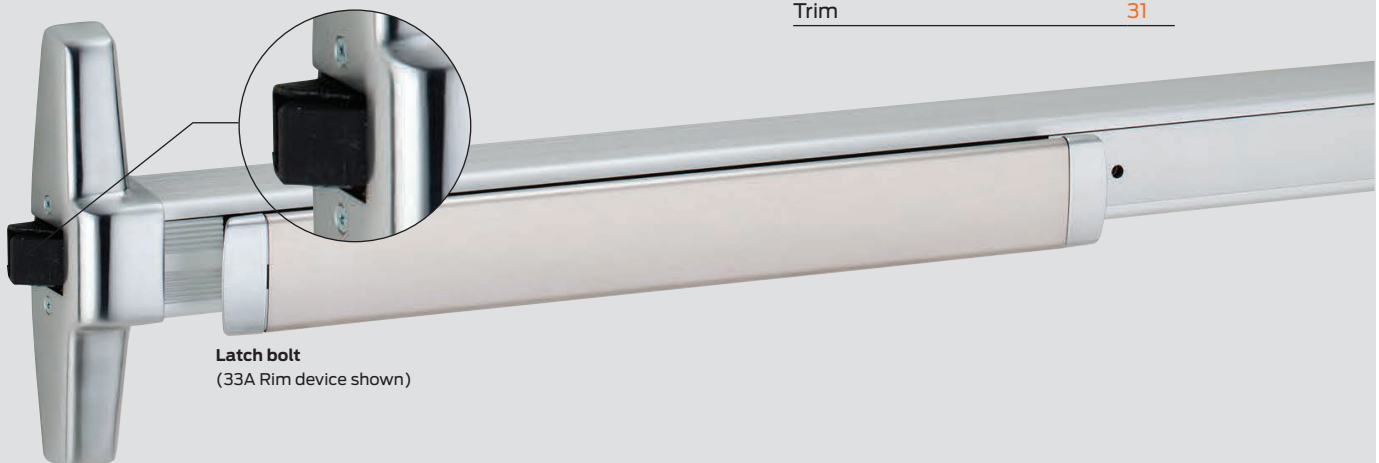
3347A/3547A	16
Trim	17
3348A/3548A	20
Trim	21
3349A/3549A	24
Trim	25
3350A/3550A	28
Trim	29

#### Fire exit hardware

33A-F/35A-F	10
Trim	11
3327A-F/3527A-F	14
Trim	15
3347A-F/3547A-F	18
Trim	19
3348A-F/3548A-F	22
Trim	23
3349A-F/3547A-F	26
Trim	27
3350A-F/3550A-F	30
Trim	31

#### Deadlocking latchbolt

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



**Latch bolt**  
(33A Rim device shown)

## Options and accessories

<b>Applications &amp; trim operation</b>	Trim selection Optional trim
<b>Trim options</b>	Optional levers Optional trim Trim selection Operation options
<b>Strike options</b>	Optional strikes
<b>Additional information</b>	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

## 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.

### 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

### 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

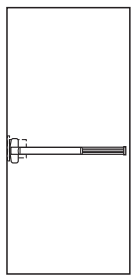
\*New trims not compatible with old devices, neither are old trims with new devices.

## Nomenclature – how to order

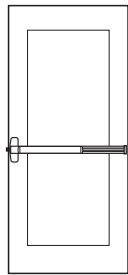
		EL	33	27A	-L	-16	-F	LBR	3'	US3	RHR
<b>CD</b>	Cylinder dogging - panic only										
<b>CX</b>	Chexit delayed egress										
<b>EL</b>	Electric latch retraction										
<b>HD-EL</b>	Electric latch retraction with hex dogging										
<b>QEL</b>	Quiet electric latch										
<b>HH</b>	Hurricane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

# Popular double door applications

## Single door applications

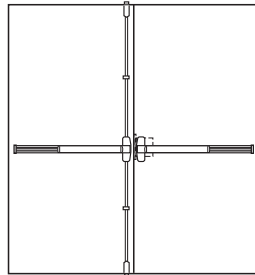


Single mortise lock device

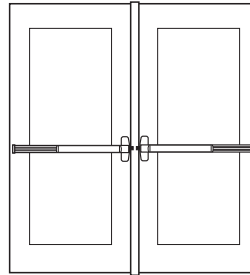


Single rim device

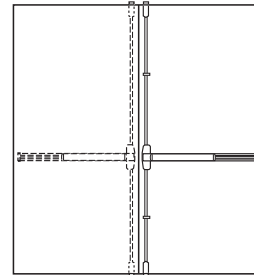
## Double door applications



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

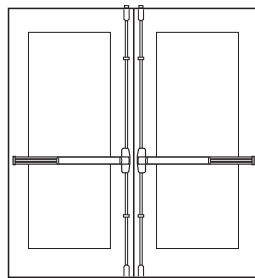
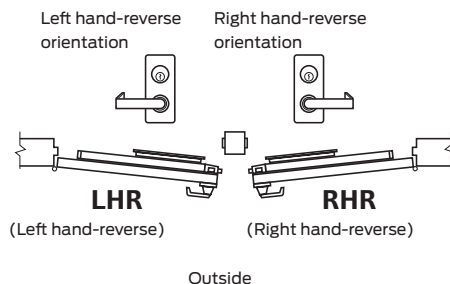


Two rim devices with mullion—same direction

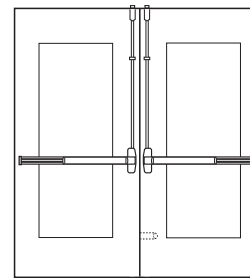


Two vertical rods—double egress

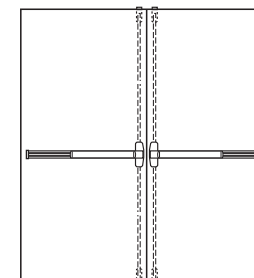
## Door handing



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 1½" 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)



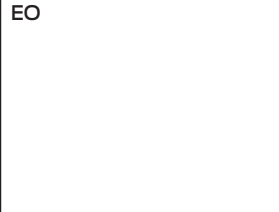



**LAT\***  
Latitude







**LON\***  
Longitude

\*Available in Stainless Steel - specify SS when ordering

## Standard trim

	EO  <b>No outside trim</b> Exit only	DT  <b>Dummy trim</b> Pull when dogged	NL  <b>Night latch</b> Key retracts latchbolt	NL-OP  <b>Night latch</b> 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 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>15</sup> / <sub>32</sub> " x 1 <sup>5</sup> / <sub>8</sub> " (190x41mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " (190x43mm)
Grip size	—	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	8 <sup>1</sup> / <sub>2</sub> " x 4 <sup>5</sup> / <sub>16</sub> " (216x110mm)	—
Projection	—	2 <sup>7</sup> / <sub>16</sub> " (62mm)	2 <sup>7</sup> / <sub>16</sub> " (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  <b>Lever</b> Key Locks and Unlocks	L-BE  <b>Lever Blank Escutcheon</b> Always Operable (No Cylinder)	T  <b>Thumbturn</b> Key Locks and Unlocks	T-BE  <b>Thumbturn</b> 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 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)	7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>7</sup> / <sub>8</sub> " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)	1 <sup>13</sup> / <sub>16</sub> " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 <sup>1</sup> / <sub>4</sub> " Mortise	—	1 <sup>1</sup> / <sub>4</sub> " 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-F/3547A-F Concealed vertical rod fire exit device



**3347A-F and 3547A-F** for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 3547A-F has a smooth mechanism case and the 3347A-F 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-F/3547A-F fits door stiles as narrow as 3 1/2" (90mm). 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	<b>2' 2"</b> (610 mm) Door size <b>3' 2 1/4"</b> to <b>3'</b> (660mm to 914 mm) door size <b>4' 2 8"</b> to <b>4'</b> (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 13/16" (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	4 1/2" x 2 7/8" x 1 1/2" (114mm x 54mm x 38mm)
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	<b>ALK</b> Alarm kit <b>CX</b> Chexit delayed exit <b>EL</b> Electric latch retraction <b>HD-EL</b> Electric latch retraction with hex dogging <b>QEL</b> Quiet electric latch retraction <b>RX</b> Request to exit, WP-RX waterproof option <b>LX</b> Latchbolt monitoring <b>LX-RX</b> Request to exit / latchbolt monitoring <b>RX-LC, LX-LC, LX-RX-LC</b> Low current option for RX, LX, LX-RX <b>SS</b> Signal switch <b>CON</b> Allegion Connect
Miscellaneous options	<b>GBK</b> Glass bead kit <b>PN</b> Pneumatic <b>HH</b> Hurricane <b>LBR</b> Less bottom rod <b>SG</b> Safety glow <b>SEC</b> Security screws <b>SNB</b> Sex bolts
Strikes	Top – <b>388</b> – Unfinished, bottom – <b>385A</b> – Unfinished <b>Optional strikes</b>

### 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

### PN

#### Pneumatic latch retraction



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

## 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

### Special finishes

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

	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

### 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.