

VON DUPRIN®

33A/35A™
Series

Exit devices



Introduction

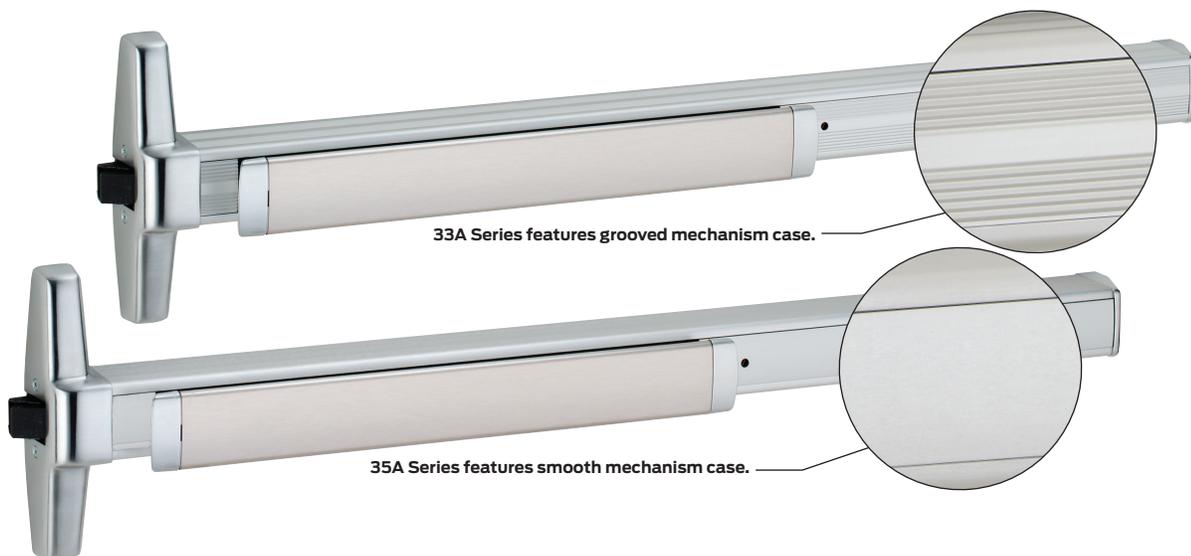
Invest in longevity

Von Duprin® devices are engineered to add value over time. The robust materials and unique engineering add to the longevity, while the flexible design improves the value. The universal center case allows users to change or upgrade features on their current device as security needs evolve.

The 33A/35A Series is a narrow stile push pad device popular for its vast application coverage. With many field configurable and upgradeable solutions available, it's easy to enhance the functionality of an existing device. Mechanical and electronic options include quiet electric latch retraction, delayed and controlled egress, concealed vertical cables and security indicators. It's one way Von Duprin protects its customers' investments long into the future.

Passion driving performance

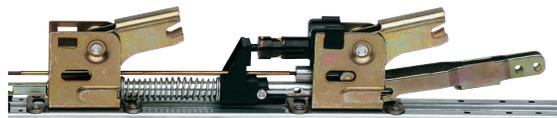
With superior products comes exceptional customer care. Von Duprin customers are supported by industry-leading expertise. Allegion's representatives average more than 15 years of experience, so you're assured to receive knowledgeable advice on fire and life safety codes, installation resources and more. And for those looking to take their skills to the next level, Allegion offers instructor-led workshops, videos and online courses. It's another way Von Duprin stands by our customers—today, tomorrow and for years to come.



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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877-671-7011
800-999-0328 - Fax

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877-671-7011

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 |
|---------------------------|---|

| | |
|-------------------------------|---|
| Electrical accessories | Power supplies PS902 PS914 EPT Electric power transfer |
|-------------------------------|---|

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 |

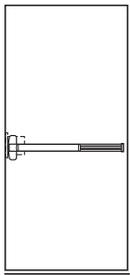
*New trims not compatible with old devices, neither are old trims with new devices.

Nomenclature – how to order

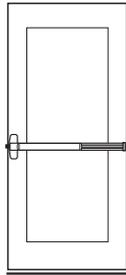
| | | EL | 33 | 27A | -L | -16 | -F | LBR | 3' | US3 | RHR |
|-----------------|---|----|----|-----|----|-----|----|-----|----|-----|-----|
| CD | Cylinder dogging - panic only | | | | | | | | | | |
| CX | Chexit delayed egress | | | | | | | | | | |
| EL | Electric latch retraction | | | | | | | | | | |
| 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 | | | | | | | | | | |
| 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 | | | | | | | | | | |
| 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

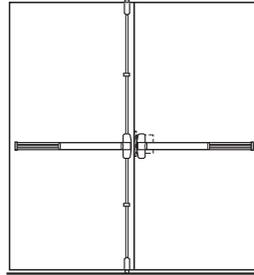


Single mortise lock device

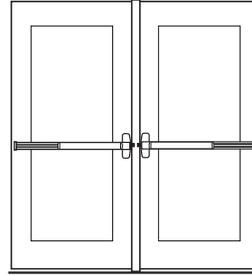


Single rim device

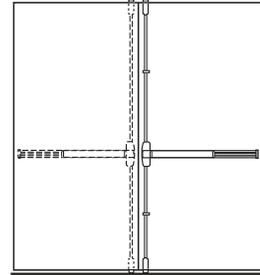
Double door applications



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

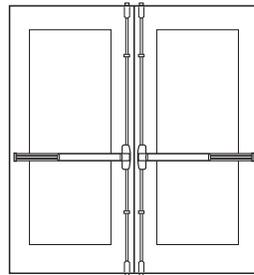
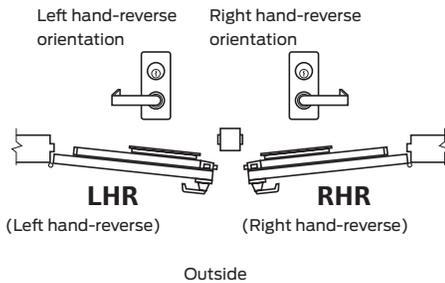


Two rim devices with mullion—same direction

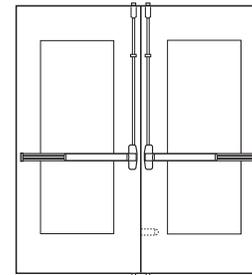


Two vertical rods—double egress

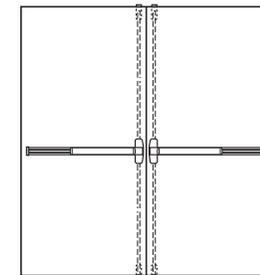
Door handing



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



Night latch function is accomplished by using the 360L trim with an undogged mortise cylinder straight cam. (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

3327A/3527A Surface mounted vertical rod device

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 1 3/4" (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.



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 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 1/8" x 1 1/2" (114mm x 54mm x 38mm) |
| Vertical rods | 1/2" square tubing, standard rods accommodate 7' (2134mm) door Top rod length is 34 15/16" (887mm) Bottom rod length is 31 1/4" (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 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) #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

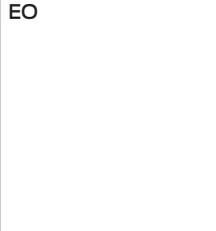
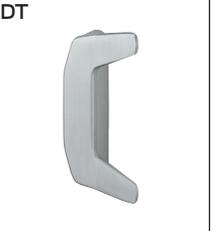
PN
Pneumatic latch retraction

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

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

Standard trim

| | EO | DT | NL | NL-OP | TL |
|----------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required | Thumbturn key locks & unlocks |
| Product description | 3327A-EO 3527A-EO | 3327A-DT 3527A-DT | 3327A-NL 3527A-NL | 3327A-NL-OP 3527A-NL-OP | 3327A-TL 3527A-TL |
| Trim description | — | 386DT | 386NL | 388 | 374T x 386 |
| Base size | — | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) |
| 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) | 1 ³ / ₁₆ " (46mm) |
| ANSI function | 01 | 02 | 03 | 03 | 11-12 field selectable |
| Cylinder type | — | — | Rim | Rim | 1 ¹ / ₄ " Mortise |
| Handing | — | — | Handed | — | — |
| Optional trim | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT x IVES 8190 10" | x 392-6 |

| | TL-BE | L | L-BE | T | T-BE |
|----------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Lever key locks and unlocks | Lever blank escutcheon always operable (no cylinder) | Thumbturn key locks and unlocks | Thumbturn always operable (no cylinder) |
| Product description | 3327A-TL-BE 3527A-TL-BE | 3327A-L 3527A-L | 3327A-L-BE 3527A-L-BE | 3327A-T 3527A-T | 3327A-T-BE 3527A-T-BE |
| Trim description | 374T-BE x 386 | 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) | 7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm) |
| Grip size | 8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm) | — | — | — | — |
| Projection | 1 ³ / ₁₆ " (46mm) | 3" (76mm) | 3" (76mm) | 1 ³ / ₁₆ " (46mm) | 1 ³ / 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 | x 392-6 | — | E360L-BE | — | E360T-BE |

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3349A/3549A Concealed vertical cable device



3349A and 3549A for hollow metal single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 (LBL option 2014) Grade 1. The 3549A has a smooth mechanism case and the 3349A has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3349A/3549A fits door stiles as narrow as 2 1/8" (44 mm). Newly designed device has a one piece center case cover.

Finishes – US3, US3A, US4, US4A, US10, US15 (3549 Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



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 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm) |
| Latch bolt | Deadlocking anti-friction top & bottom bolt 1 1/2" (13mm) throw |
| Door undercut | 3/4" (19mm) Maximum - 24231516 Spacer block kit needed for 3/4" (19mm) undercut |
| Top & bottom latch | 5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm) |
| Vertical cables | 7/32" (6mm) Diameter stainless steel cables |
| Fasteners & sex bolts (SNB) | Includes 1 3/4" (44mm) – 2 1/4" (57mm) 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 |
| Mechanical options | AX Accessible device |
| Miscellaneous options | GBK Glass bead kit PL Pullman latch PN Pneumatic INS-2/INS-4 Insulclad Kits 1/2" / 1/4" panels LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts |
| Dogging feature | Hex dogging standard CD Cylinder dogging LD Less dogging |
| Strikes | Top – 249 Bottom – 349 |

*For 33/3549A devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

QEL
Quiet electric latch retraction
 • Bolt retraction via switch
 • Converts exit door to push-pull operation

AX
Accessible device
 • UL certified to meet new 5 lb. maximum operating force requirement
 • Exceeds ANSI/BHMA requirements

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

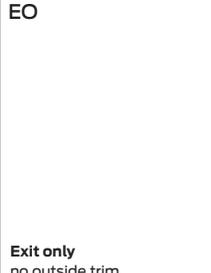
DI
Dogging Indicator
 • Monitor dogging status without a control panel
 • Red indicator light shows visibility to dogging from over 75 feet

RX
Pushpad monitor switch
 • Signals use of an opening
 • SPDT switch to monitor pushpad

CD
Cylinder dogging
 • Replaces hex key dogging
 • Requires standard 1 1/4" mortise cylinder

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

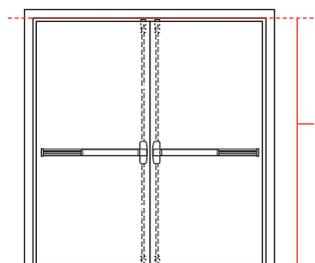
Standard trim

| | EO | DT | NL | NL-OP |
|----------------------------|---|---|--|---|
| |  |  |  |  |
| | Exit only no outside trim | Dummy trim pull when dogged | Night latch key retracts latchbolt | Night latch key retracts latchbolt optional pull required |
| Product description | 3349A-EO 3549A-EO | 3349A-DT 3549A-DT | 3349A-NL 3549A-NL | 3349A-NL-OP 3549A-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 ¹⁵ / ₃₂ " 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 | — | x 360L-DT x 550DT x IVES 8190 | — | x 550DT 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 (behind C/case) | Thumbturn always operable (no cylinder) (behind C/case) |
| Product description | 3349A-L 3549A-L | 3349A-L-BE 3549A-L-BE | 3349A-T 3549A-T | 3349A-T-BE 3549A-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 ³ / ₁₆ " (46mm) | 1 ³ / 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 |

| Nominal door opening height | | Top cable part number | Bottom cable part number |
|-----------------------------|---------------|-----------------------|--------------------------|
| *82" - 96" | *6'10" - 8' | 47250175 | 47250178 |
| >96" - 110" | >8'0" - 9' 2" | 47250176 | 47250179 |
| >110" - 120" | >9'2" - 10' | 47250177 | 47250180 |

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

33A/35A Optional trim



| | Lever Pull when dogged | Night latch key retracts latchbolt | Night Latch key retracts latchbolt | Thumbturn key locks & unlocks | Thumbturn key locks & unlocks |
|-------------------------|------------------------------------|--|--|---|---|
| Trim description | 360L-DT | 388 x 550DT | 388 x IVES 8190 10" | 360T x 550DT | 360T x IVES 8190 10" |
| Base size | 7½ x 1⅞" x 7⁄8" (190x43mmx22mm) | 7½ x 1⅞" (190x43mm) | 7½ x 1⅞" (190x43mm) | 7½ x 1⅞" x 7⁄8" (190x43mmx22mm) | 7½ x 1⅞" x 7⁄8" (190x43mmx22mm) |
| Grip size | — | 10" center to center | 10" center to center | 10" center to center | 10" center to center |
| Projection | 3" (76mm) | 1" (25mm) | 1" (25mm) | 1⅜" (46mm) | 1⅜" (46mm) |
| ANSI function | 02 | 03 | 03 | 11/12 Field selectable | 11/12 Field selectable |
| Cylinder type | — | Rim | Rim | 1¼" Mortise | 1¼" Mortise |
| Handing | Handed / Reversible | — | — | — | — |

33A/35A Optional trim

| | | | | | |
|-------------------------|---|---|---|---|---|
| |  |  |  |  |  |
| | Thumbturn-blank escutcheon always operable (no cylinder) | Thumbturn-blank escutcheon always operable (no cylinder) | Thumbturn key locks & unlocks | Thumbturn-blank escutcheon always operable (no cylinder) | Offset pull |
| Trim description | 360T-BE x 550 DT | 360T-BE x 8190 10" | 374T/376T x 8190 10" | 374T-BE/376T-BE x 8190 10" | 392-6 |
| Base size | 7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) | 7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) | 7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) | 7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm) | 7 x 3½" x ¾" (178x89mmx19mm) |
| Grip size | 11 ⁹ / ₁₆ " center to center | 1" center to center | 8½" x 4 ⁵ / ₁₆ " (216x110mm) | 8½" x 4 ⁵ / ₁₆ " (216x110mm) | 6¼" center to center |
| Projection | 1 ¹³ / ₁₆ " (46mm) | 2¼" |
| ANSI function | — | — | 11-12 Field selectable | — | — |
| Cylinder type | — | — | 1¼" Mortise | — | — |
| Handing | — | — | — | — | — |

Note: 360L & 360T used on Wood Door require the 33A-WDA cover plate
376T used on Wood Door require #10-WDA cover plate

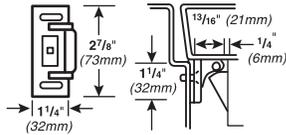
33A/35A Strike/Stile information

| Device type | Standard single door | | Standard double door | | Optional single door | | Optional double door | |
|--|--|--|--|--|---|--|---|---|
| | Strike | Stile | Strike w/mullion | Stile | Strike | Stile | Strike w/mullion | Stile |
| 33A 35A | 1439 | 2" (51mm) | 1408 x 5754 | 2" (51mm) | 299 1410 1606 | 2 ³ / ₄ " (70mm) 1 ³ / ₄ " (44mm) 2 ¹ / ₂ " (64mm) | 299 x 5654 299 x 4954 1606 x 1654 | 2 ⁵ / ₈ " (67mm) 3 ⁵ / ₁₆ " (84mm) 2 ³ / ₄ " (70mm) |
| 3327A 3527A | 266 (Top) 304L (Bottom) 248-L (Bottom) | 2" (51mm) | 266 (Top) 304L (Bottom) 248-L (Bottom) | 2" (51mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) | 299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom) | 3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm) |
| 3327A-F 3527A-F | — | — | 299F (Top) 304L (Bottom) | 3 ¹ / ₈ " (79mm) | — | — | — | — |
| 3327A-LBR-F | — | — | 499F (Top) (Req. auxiliary fire latch) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3347A 3547A 3348A 3548A | 338 (Top) 385A (Bottom) | 2 ¹ / ₈ " (54mm) | 338 (Top) 385A (Bottom) | 2 ¹ / ₈ " (54mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) | 304L (Bottom) | 2 ¹ / ₂ " (64mm) |
| 3347A-F 3547A-F 3348A-F 3548A-F | — | — | 338 (Top) 385A (Bottom) | 3 ⁵ / ₈ " (92mm) | — | — | 304L (Bottom) | 3 ¹ / ₂ " (89mm) |
| 3347A-LBR 3547A-LBR | 338 (Top) | 2 ¹ / ₂ " (64mm) | 338 (Top) | 2 ¹ / ₂ " (64mm) | — | — | — | — |
| 3347A-LBR-F 3547A-LBR-F | — | — | 338 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |
| 3349A 3549A | 249 (Top) 349 (Bottom) | 2 ¹ / ₂ " (64mm) | 249 (Top) 349 (Bottom) | 2 ¹ / ₈ " (54mm) | — | — | — | — |
| 3349A-F 3549A-F | — | — | 249 (Top) 349 (Bottom) | 3 ¹ / ₂ " (89mm) | — | — | — | — |
| 3349A-LBL 3549A-LBL | 249 (Top) | 2 ¹ / ₂ " (64mm) | 249 (Top) | 2 ¹ / ₈ " (54mm) | — | — | — | — |
| 3349A-LBL-F 3549A-LBL-F | — | — | 249 (Top) | 3 ⁵ / ₈ " (92mm) | — | — | — | — |

33A/35A Strike/Stile information

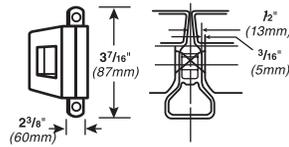
Strikes for rim devices

299



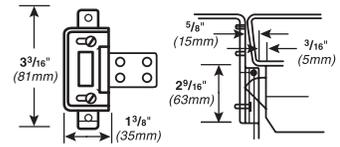
Projection 13/16" (21mm)

1408



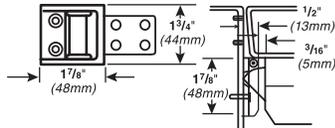
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



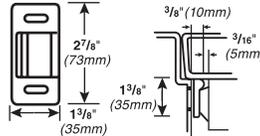
Projection 1/2" (13mm)

1439



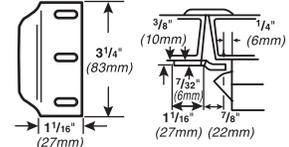
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)

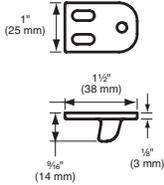
1609



For rim/vertical rod combination -not fire rated

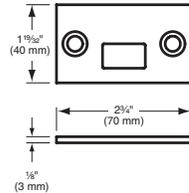
Strikes for vertical cable devices

249 - Top strike



Projection 9/16" (14mm)

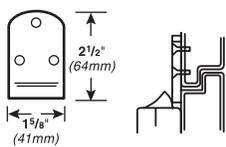
349 - Bottom strike



Projection 1/8" (3mm)

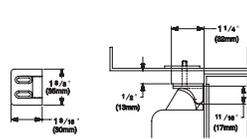
Strikes for vertical rod devices

260U-Flush transom only



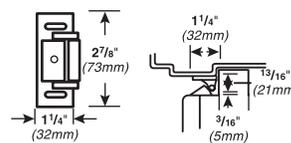
Projection 3/8" (10mm)

266



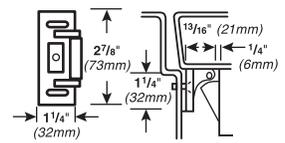
Projection 1 1/4" (32mm)

299



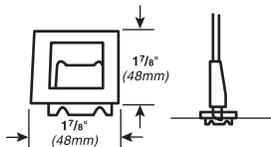
Projection 13/16" (21mm)

299F



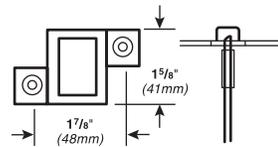
Projection 13/16" (21mm)

304L



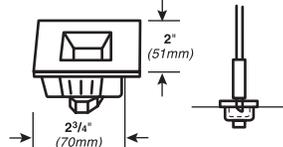
Mortise 13/16" (21mm)

338



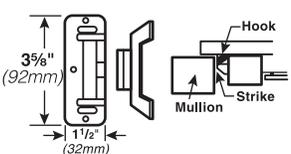
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

499F



Projection 13/16" (21mm)

33A/35A Mechanical options

AX Accessible device

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX33/35A, AX33/35A-F, AX33/3549A LBL, AX33/3549A-F LBL, AX33/3549A-F LBLAFL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California Building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.



PN Pneumatic controlled exit devices



The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available.

When activated pneumatically, the latch bolt(s) of the exit device retract in 1/22 to 1/2 seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.).

Contact LCN for correct control boxes.

To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex Key Dogging — Use prefix HD-PN, example HD-PN33ANL
- Special Center Case Dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN33ANL

PNT pneumatic transfer

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

RSS Red Silk Screen



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on SS devices.

To order, specify: Suffix RSS, 3327L-RSS RHR

WH Weep holes

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices are every 6" on center. A 3 foot device will have 5 holes, are 4 foot device will have 7 holes.

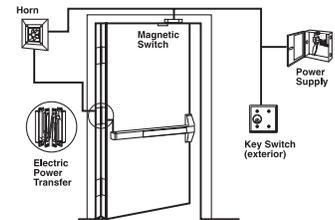
To order, specify: Suffix WH, 33A-EO-WH

SS Signal switch

Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is

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 with straight cam for alarm "bypass." (Schlage cam reference B502-191).

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.

To order, specify:

1. Prefix SS, example SS33AL
2. Handing Required, LHR or RHR

Electrical ratings:

Up to 2.0 AMPS @ 24VDC

Popular SS application

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

SG Safety glow



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The Safety Glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 3327A-SG

33A/35A Mechanical options

Dogging options

LD Less dogging

Less Dogging is available in all 33A/35A Panic Exit devices to remove the dogging option.

To order, specify: 1. Use prefix LD, example LD33AL

CD Cylinder dogging

Cylinder dogging is available on all 33A/35A Panic Exit devices to replace the standard hex key dogging. Unit requires a standard 1¹/₄" (32mm) mortise cylinder with a straight cam (Schlage Cam B502-191 reference).

To order, specify: 1. Use prefix, CD, example CD33AL

CDK Cylinder dogging kit

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



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, 550DT, 392-6 trim or any Ives Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

To order, specify:

1. 330 or 350
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, US3, US4, US10, US26, US26D, US28, 313AN, 315AN, 350 Only US32D.

33A/35A Device options & accessories

RG-27 Vertical rod and latch guard



Rod Guard

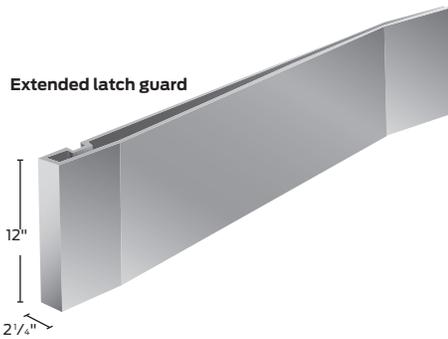
Latch Guard



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

| | |
|---------|--|
| RGO | Rod guard only (Projection 1 3/16") |
| RG-27 | Rod and latch guard |
| RG-27-3 | 3' (914mm) Rod guard and extended latch guard |
| RG-27-4 | 4' (1219mm) Rod guard and extended latch guard |
| LGO | Latch guard only |
| LGO-3 | 3' (914mm) Extended latch guard only |
| LGO-4 | 4' (1219mm) Extended latch guard only |

Note: Wood doors - Can be used on fire doors with high density blocking with sheet metal screws. For non-fire rated wood doors use sex bolt.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow metal.
4. Optional sex bolt mounting available.

LBR/LBL Less bottom rod/Less bottom latch

LBR/LBL 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".

LBR/LBL devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

LBR/LBL used on non-fire rated devices, the spring loaded auxiliary latch bolt is not required. Device is supplied less bottom rod, latch and strike.

PL Pullman latch

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices. Not recommended where security is of the utmost since latches do not deadlock.

GBK Glass bead kit

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. GBK for Surface vertical rod ships with 1/8" shims for rod guides.

To order, specify:

1. 33AGBK
2. Device type (Rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical rod

WDA Cover plate kit

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



33A/35A Device options & accessories

Mullions

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of 1/8" (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

KR – Keyed removable steel mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without the use of the cylinder key. Uses a 1 1/4" mortise cylinder with a straight cam (Schlage cam reference L583-477). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are 1 1/8" (27mm) wide on face closest to the door and 2 3/8" (60mm) at the widest point. The depth is 3 1/8" (79mm) with a wall thickness of 1/8" (3mm).

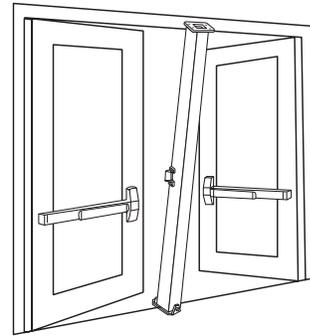
Aluminum mullions are available in US4, US10, US28, 313 and 315 finishes. Consult factory for other powder coat finish options. Aluminum mullions are not available keyed removable.

Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

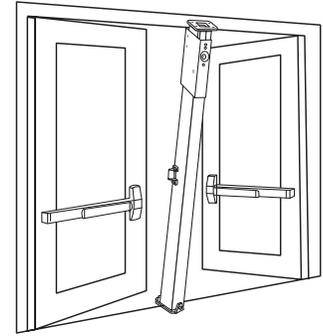
Blank mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

To order, specify:

1. For keyed Removable option on steel mullions, prefix model number with "KR"
2. Model number
3. Height of opening
4. Finish
5. Handing if required
6. Centerline deviation (refer to device template for standard centerline)
7. Strikes, when required, should be ordered with device



Removable mullions



Keyed removable steel mullions

Steel mullions

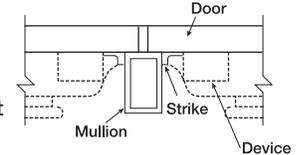
1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.



9954 Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 33A-F, 35A-F, 98-F, 99F devices).

UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.



33A-F and 35A-F devices are rated up to 10'0" (3048 mm).

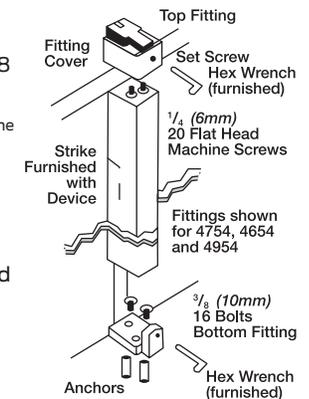
Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4754 Prepared for two 4263 monitor strikes.

4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.



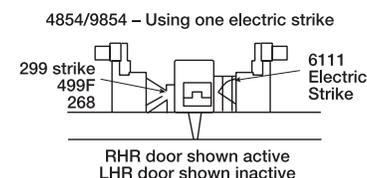
9854 Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labeled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices



Aluminum mullions

5654 Prepared for two 299 strikes.

5754 Prepared for 1408 double strike.



33A/35A Additional information

UL Listed — Fire exit hardware label/Opening size

| Exit device | Single door | Double door | |
|-------------|-----------------|---|-----------------|
| | | Same direction | Double egress |
| 33A/35A-F | 3 Hour 4' x 10' | 3 Hour 8' x 8' (w/ KR98/9954 mullion) 3 Hour 8' x 10' (w/ 98/9954 mullion) | — |
| 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' |
| 3348A-F | — | 90 Min. 8' x 10' | 3 Hour 8' x 10' |
| 3548A-F | — | 90 Min. 8' x 10' | 3 Hour 8' x 10' |
| 3349A-F | — | 90 Min. 8' x 10' | 3 Hour 8' x 10' |
| 3549A-F | — | 90 Min. 8' x 10' | 3 Hour 8' x 10' |

When using the 3347A-F and 3547A-F in a wood door application, consult wood door manufacturers for current UL listings.

Cylinders

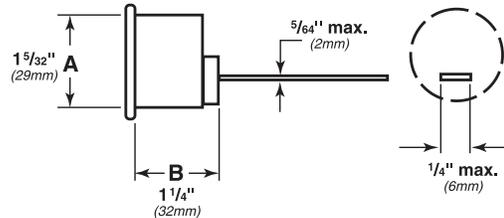
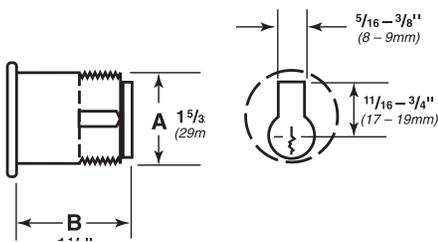
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



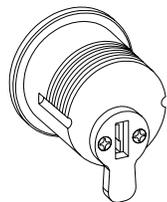
Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

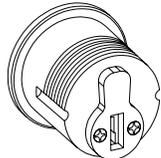


Dogged (inverted) cam



For cylinder dogging or 360L

Undogged cam (standard operations)

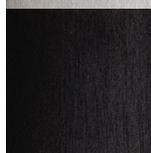
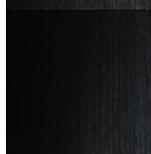
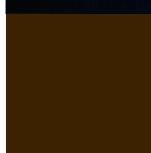


For standard trim functions or 360L-NL

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.