

Catalog Cuts

for

HOSPITAL HJ

Sorted by Manufacturer

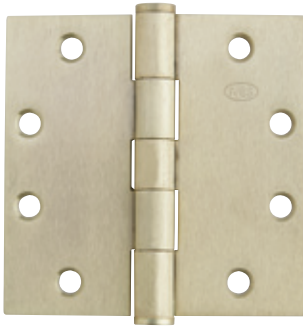
Prepared By
CORP\PVEGA2

Created 6/25/2018

Catalog Cut Summary

Mfr	Description	Catalog Number	Cut	Page Number
IVE	HINGE	5PB1 4.5 X 4.5	IVE_0250	
IVE	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	IVE_0223	
IVE	PULL PLATE	8305 10" 4" X 16"	IVE_0128	
IVE	FLOOR STOP	FS13	IVE_0226	
IVE	KICK PLATE	8400 12" X 34" B-CS	IVE_0223	
IVE	HINGE	5BB1 4.5 X 4.5	IVE_0250	
IVE	SILENCER	SR64	IVE_0148	
IVE	KICK PLATE	8400 12" X 28" B-CS	IVE_0223	
IVE	KICK PLATE	8400 12" X 30" B-CS	IVE_0223	
IVE	PUSH PLATE	8200 4" X 16"	IVE_0127	
LCN	SURFACE CLOSER	1461 RW/PA	LCN_1460	
LCN	SURFACE CLOSER	1461 H	LCN_1460	
SCH	DBL CYL DEADBOLT	B562P	SCH_0099	
SCH	CLASSROOM LOCK	ND70PD RHO	SCH_0048	
SCH	ENTRANCE LOCK	ND53PD RHO	SCH_0048	
SCH	CLASSROOM LOCK	ND70PD RHO XN12-307	SCH_0048	
SCH	STOREROOM LOCK	ND80PD RHO	SCH_0048	
SCH	PRIVACY LOCK	ND40S RHO	SCH_0048	
VON	FIRE EXIT HARDWARE	22-L-F-06	VON_0070~VON_0080~VON_0112	
VON	FIRE EXIT HARDWARE	22-L-F-06-CYL	VON_0070~VON_0080~VON_0112	
ZER	THRESHOLD	544A-223-36" (914MM)	ZER_0105	
ZER	GASKETING	8303AA	ZER_0120	
ZER	DOOR SWEEP	111AA 30" (762MM)	ZER_0172	
ZER	GASKETING	8303AA-S 30 X 84" (762 X 2134MM)	ZER_0120	
ZER	DOOR SWEEP	111AA	ZER_0172	
ZER	THRESHOLD	544A-223	ZER_0105	
ZER	THRESHOLD	544A-223-30" (762MM)	ZER_0105	
ZER	GASKETING	8303AA-S 36 X 84" (914 X 2134MM)	ZER_0120	
ZER	DOOR SWEEP	111AA 36" (914MM)	ZER_0172	

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Company:	Version #: 1	Ver Date: Jun 25 2018 10:04AM EDT	Page 2 of 2



Meets ANSI/BHMA A156.1
A8133 – Steel
A5133 – Stainless Steel
A2133 – Brass

5PB1 5 Knuckle, Plain Bearing Full Mortise Hinge

- For standard weight doors
- Low frequency usage
- Packed with wood and metal screws

Not for use with a door closer.

Options

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

Dimensions

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	89 x 89	0.123
4 x 4	102 x 102	0.134
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134
5 x 4.5	127 x 114	0.134



Meets ANSI/BHMA A156.1
A8112 – Steel
A5112 – Stainless Steel
A2112 – Brass

5BB1 5 Knuckle, Ball Bearing Full Mortise Hinge

- For standard weight doors
- Medium frequency usage
- 2 ball bearing
- Packed with wood and metal screws

Options

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

Dimensions

Size (Inches)	Size (mm)	Gauge	Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	80 x 102	0.130	5 x 4.5	127 x 114	0.146
4 x 4	102 x 102	0.130	5 x 5	127 x 127	0.146
4.5 x 4	114 x 102	0.134			
4.5 x 4.5	114 x 114	0.134			

Finishes brass

Ives Finish	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	605	606	612	613	614	616	619	625	626

Finishes steel

Ives Finish	USP	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	600	632	633	639	640	641	643	646	651	652

Finishes stainless steel

Ives Finish	US32	US32D
BHMA	629	630

A
Hinges & Pivots

B14
Pulls & Plates

C
Flush Bolts & Coordinators

D
Latches, Catches & Bolts

E
Stops

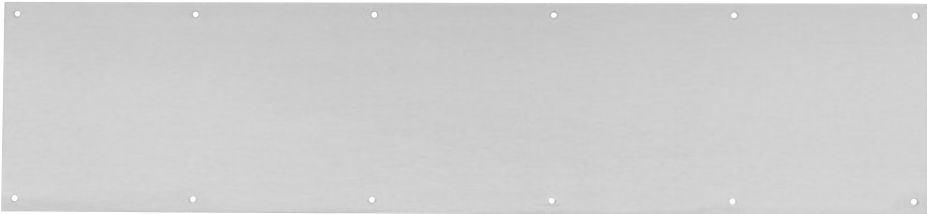
F
Exterior Hardware

G
Miscellaneous Hardware

8400 Series Protection Plates

- Door protection plates are available in .050" thick brass, stainless steel or aluminum; and 1/8" thick high impact polyethylene in clear or black.
- Bevel edge options; specify B4E for all four edges.
- Mounting screw pack furnished standard, 16 screws per pack. Optional screw packs are available for TEK or TORK screw heads. Refer to the following chart for ordering.
- Specify NMH for no mounting holes. (Not available on 8402)
- Specify NMH-A for no mounting holes with adhesive. (Not available on 8402)
- Specify CS for counter sunk mounting holes.
- Specify ERS prepped with extra row of screws.

Kickplate Gasket Tape Tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation. One tape pack will cover an the perimeters of a 8" x 34" kickplate. Order 8401 Gasket Tape.



8400 Protection Plate
8402 (UL)* Protection Plate

**UL mark appears in upper right corner. Factory supplied screws must be used.*
Number of screw packs required by plate size (specify TEK Screws or TORK screws).

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

Finishes brass 24" x 48" max. size

US Number	US3	US4	US10	US10B	US15	US26	US26D
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

US Number	US32	US32D
BHMA	629	630

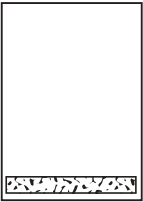
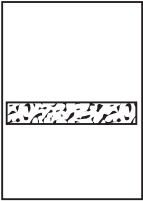
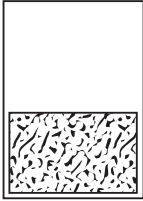
Finishes aluminum

US Number	US28
BHMA	628

Finishes plastic

Clear and Black

Residential Grade Kickplates available Carded only, finishes PA28, PA3, PA619, PA716, B3, B505, B619, B716

A Hinges & Pivots		Mop Plates • Protect the bottom of the pull side of door subject to cleaning and mopping procedures. • Size Ranges: 4" to 6" high, 22" to 48" wide
B18 Pulls & Plates		Kick Plates • Protect the bottom of the push side of doors subject to scuffing from foot traffic. • Recommended for all doors subject to normal use (especially doors using a closer). • Size Ranges: 8" to 24" high, 22" to 48" wide
C Flush Bolts & Coordinators		Stretcher Plates • Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment. • Usually applied to push side of doors. • Specify "B4E" Option for beveled edges. • Size Ranges: 6" to 8" high, 22" to 48" wide
D Latches, Catches & Bolts		Armor Plates • Protect lower half of doors from abuse by hard carts, trucks and rough usage. • Usually applied to push side of single doors and both sides of double acting doors. • Size Ranges: 26" to 48" high, 22" to 48" wide
E Stops		
F Exterior Hardware		
G Miscellaneous Hardware		



8302 Pull plate

Available mounting – Standard, F, G, H-I-L, or J see pages B15 and B16
Pulls have new heavy duty 5/16-18" mounting.

8300 Plate	8102 Pull
3-1/2" x 15"	6" centers
4" x 16"	8" centers
6" x 16"	10" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D*
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM



8303 Pull plate

Available mounting – Standard, F, G, H-I-L, or J see pages B15 and B16
Pulls have new heavy duty 3/8-16" mounting.

8300 Plate	8103 Pull
3-1/2" x 15"	8" centers
4" x 16"	10" centers
6" x 16"	7" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D*
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM



8305 Pull plate

Available mounting – Standard or F see page B15
Pulls have 1/4 - 20" mounting

8300 Plate	8105 Pull
3-1/2" x 15"	6" centers
4" x 16"	8" centers
6" x 16"	10" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM

A
Hinges & Pivots

B7
Pulls & Plates

C
Flush Bolts & Coordinators

D
Latches, Catches & Bolts

E
Stops

F
Exterior Hardware

G
Miscellaneous Hardware



Meets ANSI/BHMA 156.6, L12141.

FS13 Dome Stop

- Standard FS13 for use where no threshold is used.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Unique riser design of R14 (below) allows easy conversion to threshold application.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Replaceable grey rubber bumper.

Dimensions

Overall Height: 1"

Base Height: 5/32"

Base Diameter: 1-3/4"

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626

R14 Dome Stop Rise

- Adapts the FS13 Dome Stop to threshold use.
- Brass Die Cast Construction.

Dimensions

Riser Height: 5/16"

Base Diameter: 1-3/4" round

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626



Meets ANSI/BHMA 156.6, L12161.

FS17 Dome Stop

- One piece dome stop for use with thresholds.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Replaceable grey rubber bumper.

Dimensions

Overall Height: 1-11/32"

Base Height: 1/2"

Base Diameter: 1-3/4" round

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626



Meets ANSI/BHMA 156.16, L03011.



Meets ANSI/BHMA 156.16, L03021



SR64 Door Silencer

- For use on metal frames featuring pneumatic design that, once installed, forms an air pocket to absorb shock and reduce noise of door closing.
- Tamper-proof once installed on the frame.
- Proper installation also eliminates door rattle and provides constant tension for door latches or locks.

Packed in bags of 100.

Grey Available in bulk pack of 2500.

Each bag has an installation tool included.

Dimensions

Diameter: 1/2"

Thickness: 1/8"

Finishes

GRY, TAN

SR65 Door Silencer

- For use on wood frames, also feature pneumatic design to cushion shock and absorb noise.
- To prevent removal, a small brad should be driven into stop strip and through stem of silencer, as shown in the detail.

Packed in bags of 100.

Dimensions

Height: 3/4"

Diameter: 3/8"

Thickness: 1/8"

Finishes

GRY

SR66 Door Silencer

- Self Adhesive Rubber Silencers.
- Economical installation requires no drilling of frames.

Packed two sheets of 50 (100 minimum).

Dimensions

Diameter: 1/2"

Thickness: 1/8"

Finishes

BRN, GRY, WHT

Hinges & Pivots
A

Pulls & Plates
B

Flush Bolts & Coordinators
C

Latches, Catches & Bolts
D

E23
Stops

Exterior Hardware
F

Miscellaneous Hardware
G

A

Hinges & Pivots

B6

Pulls & Plates

C

Flush Bolts & Coordinators

D

Latches, Catches & Bolts

E

Stops

F

Exterior Hardware

G

Miscellaneous Hardware



8200 Push Plate
8300 Pull Plate, Prep for Pull (less pull)

Available Sizes

3" x 12"

3.5" x 15"

4" x 16"

6" x 16"

8" x 16"

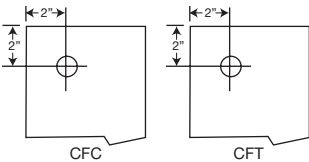
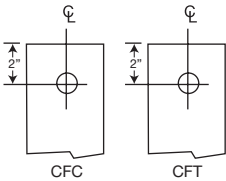
Special sizes are available. Consult factory.

Plates Cut for Cylinder or Thumbturns

Plates are available with cutout for cylinder or thumbturn; standard cutout is 2" from top and centered on plates up to 4" wide. For plates wider than 4" cutout is located 2" from outer edge, specify LH or RH. When pull location interferes with standard cutout location a detail drawing should be furnished with the order.

Standard cutout is 1-1/4" for cylinder and 3/8" for thumbturn.

Specify CFC for cutout for cylinder or CFT for cutout for thumbturn.



Finishes brass

US Number	US3	US4	US10	US10B	US15	US26	US26D*
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

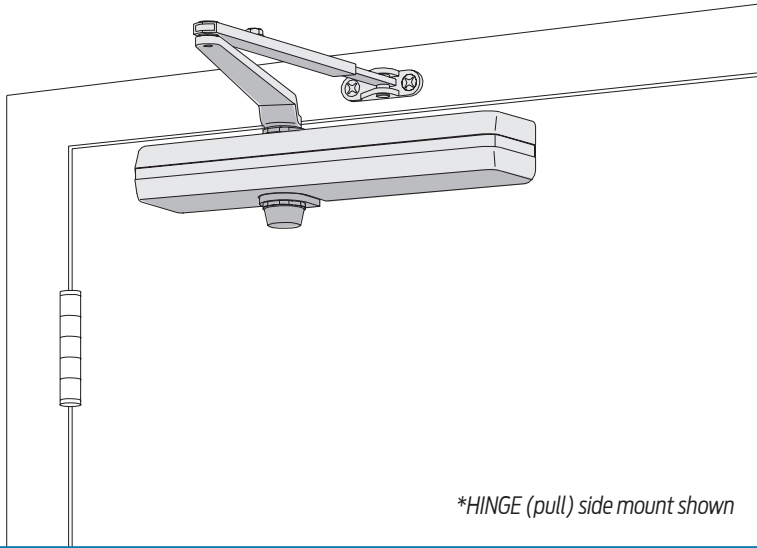
US Number	US28
BHMA	628

** Available with Antimicrobial Coating, use suffix AM*

1460 SERIES

FEATURES

CLOSER MOUNTS *HINGE (PULL) SIDE TOP JAMB (PUSH SIDE) PARALLEL ARM (PUSH SIDE)



*HINGE (pull) side mount shown

Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.

- Cast Iron
- All weather fluid
- Non-handed
- Peel-n-stick templates for fast and accurate installation
- UL and cUL listed

- Standard 1460 series closer shipped with regular arm, a slim line plastic cover, and self reaming and tapping screws. See 1460 Series Pages 16 & 17 for options.
- Multiple cover options include; Standard (Slim line), Full and Designer Series.
- Non-sized (1-6) cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- Closer mounts hinge side, top jamb and parallel arm on either right or left swinging doors.
- Closer meets ADA requirements. See 1460 Series page 18.
- Standard or optional custom powder coat finish.
- Optional plated finish on Designer Series metal cover, arm and fasteners. (Available with powder coat finishes only.)
- Optional SRI primer for installations in corrosive conditions.
- Tested and certified under ANSI Standard A156.4, grade one.

MOUNTING					FINISH		COVER		CYLINDER			*ARM FUNCTION							
HINGE (PULL) SIDE TOP JAMB (PULL) TOP JAMB (PUSH) PARALLEL ARM STOP FACE					POWDER COAT PLATED		PLASTIC METAL DESIGNER SERIES		NON-HANDED NON-SIZED ACCESSIBILITY DELAYED ACTION			REGULAR (DOUBLE) STANDARD (SINGLE) HEAVY DUTY HOLD-OPEN EDA/HEDA CUSH/HCUSH SCUSH/SHCUSH							
●	○	●	●	○	●	● ^D	●	○	●	●	♿	●	180°	○	180°	180°	110°	100°	100°

● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
* Maximum opening/hold-open point with standard template.
D = For designer series only.

1460 SERIES

HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

110°

(A) = 5-7/8" (149 mm)

(B) = 10-7/8" (276 mm)

or *180°

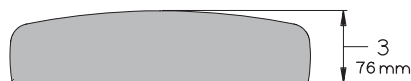
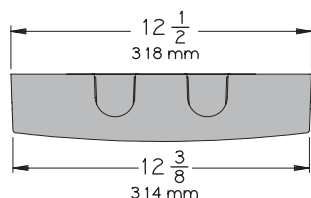
(A) = 2-7/8" (73 mm)

(B) = 7-7/8" (200 mm)

Hold-open points up to maximum opening with hold-open arm.

*Frame and trim permitting.

Optional, Non-handed
Designer Series
Metal Cover

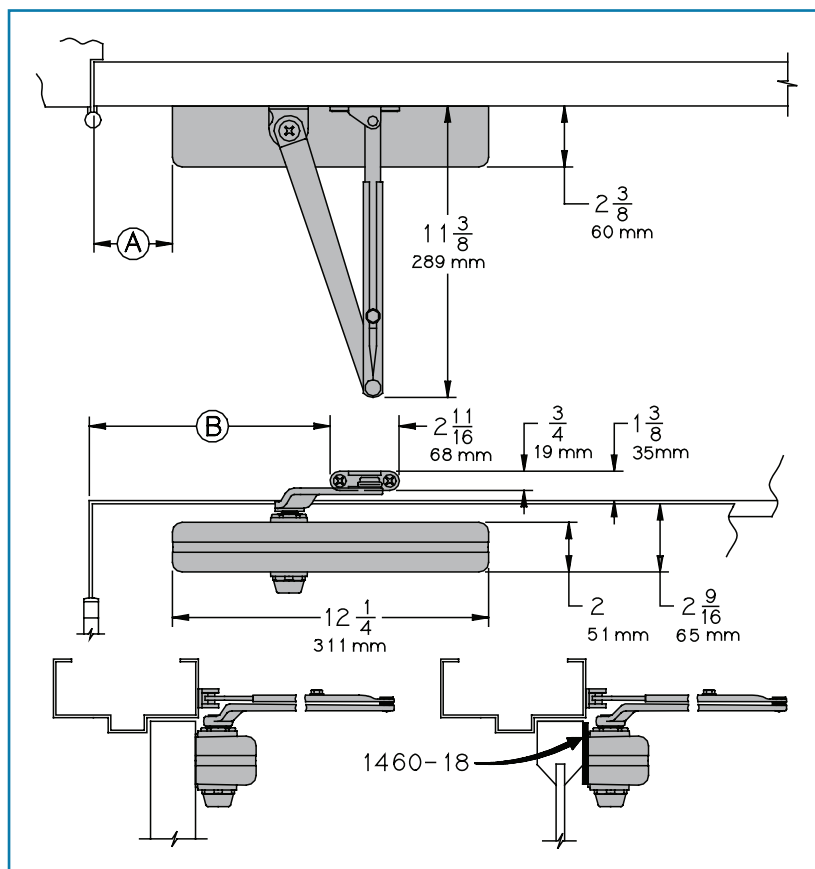


Options

- Delayed action cylinder.
- Hold-open arm.
- Full cover. (FC)
- Designer Series metal cover.(DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.



- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point or where a door cannot swing 180°.
- **Reveal** should not exceed 3/4" (19 mm) for regular arm or 1/2" (13 mm) for hold-open arm.
- **Top Rail** less than 2-1/2" (64 mm) requires PLATE, 1460-18. With Full cover, use PLATE, 1460-18FC. Plate requires 1-1/2" (38 mm) minimum. With Designer Series metal cover, use PLATE, 1460-18DS1.
- **Clearance** of 2-3/8" (60 mm) behind door required for installation.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. 1461 DEL). Delays closing from 110° to 65° or 160° to 75° depending on templating. Delay time adjustable up to approximately 1 minute.

1460 SERIES

MOUNTING DETAILS

TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

110°

Ⓐ = 6-3/4" (169 mm)

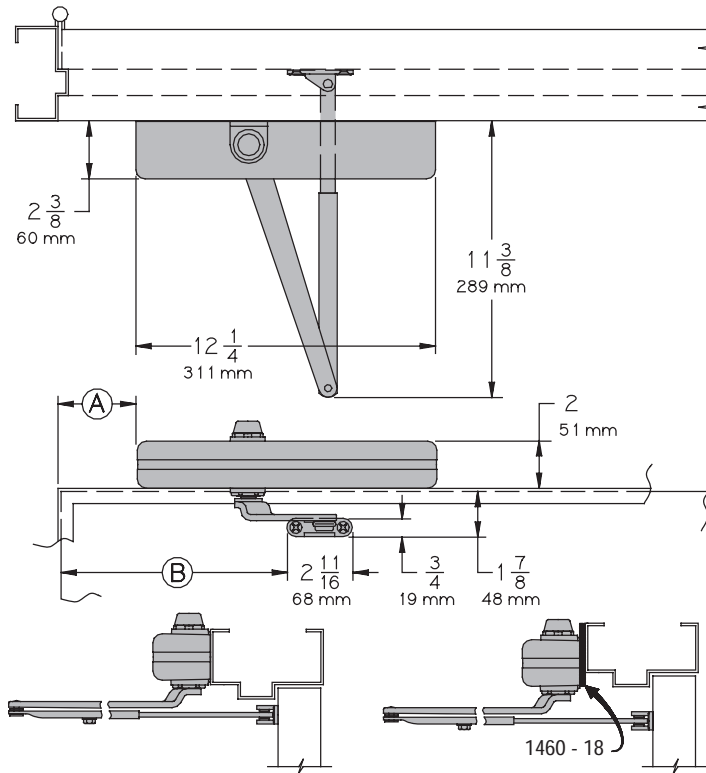
Ⓑ = 11-1/4" (286 mm)

180°

Ⓐ = 3" (76 mm)

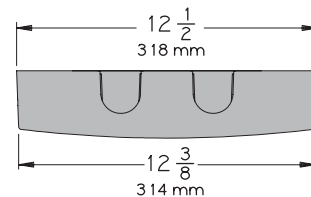
Ⓑ = 7-1/2" (191 mm)

Hold-open points up to maximum opening with hold-open arm.



- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point or where a door cannot swing 180°.
- **Reveal** of 2-1/2" (64 mm) allows 180° opening with REGULAR HOLD-OPEN ARM. 3-1/2" (89 mm) allows up to 180° opening with REGULAR ARM or 180° with optional LONG HOLD-OPEN ARM when standard head and tube is replaced with optional LONG HEAD AND TUBE, 1460-78HL. 4-7/8" (124 mm) allows up to 140° with REGULAR ARM or LONG HOLD-OPEN ARM. 7" (178 mm) allows up to 140° opening with LONG ARM when standard rod and shoe is replaced with optional LONG ROD AND SHOE, 1460-79LR.
- **Top Rail** requires 1-7/8" (48 mm) minimum. 2-3/4" (70 mm) minimum with closer on PLATE, 1460-18.
- **Head Frame** less than 1-3/4" (44 mm) requires PLATE, 1460-18. For flush ceiling condition with 2" (51 mm) headframe, use PLATE, 1460-18.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. 1460 DEL). Delays closing from 110° to 75° or 180° to 95° depending on templating. Delay time adjustable up to approximately 1 minute.

Optional, Non-handed
Designer Series
Metal Cover



Options

- Delayed action cylinder.
- Long arm, hold-open arm, long hold-open arm.
- Full cover. (FC)
- Designer Series metal cover. (DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

1460 SERIES

PARALLEL ARM (PUSH SIDE) MOUNTING

Optional mounting requires PA SHOE, 1460-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (e.g. P1460). P1460 closer includes 1460-201 FIFTH HOLE SPACER to support PA SHOE.

MAXIMUM OPENING

Regular or hold-open arm can be templated for 100°

Ⓐ = 4-1/4" (108 mm)

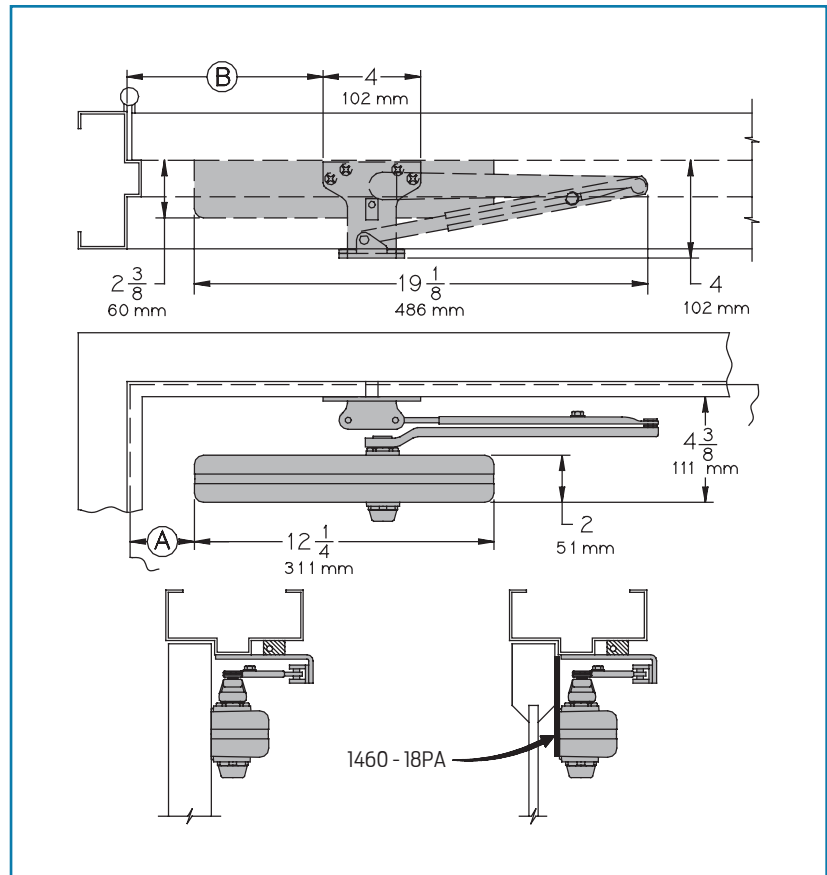
Ⓑ = 9-1/4" (235 mm)

or 180°

Ⓐ = 1-3/4" (44 mm)

Ⓑ = 6-3/4" (171 mm)

Hold-open points up to maximum opening with hold-open arm.



1460 REGULAR OR HOLD-OPEN MOUNT

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used.
- **Clearance** for 1460-62PA shoe is 4" (102 mm) from door face.
- **Top Rail** less than 4-3/8" (111 mm) measured from the stop requires PLATE, 1460-18PA. With Full cover, use PLATE, 1460-18PAFC. Plate requires 1-3/4" (44 mm) minimum. Plate requires 1-1/4" (32 mm) minimum. With Designer Series metal cover, use PLATE, 1460-18PADS1.
- **Head Frame** flush or single rabbeted requires PA SHOE ADAPTER, 1460-418.
- **Stop Width** minimum 1" (25 mm).
- **Blade Stop** clearance, requires 1/2" (13 mm) BLADE STOP SPACER, 1460-61.
- **Auxiliary Shoe**, 1460-62A allows installation of regular arm with overhead holder/stop. Special templating required.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. P1460 DEL). Delays closing from maximum opening to approximately 75°. Delay time adjustable up to approximately 1 minute.

Options

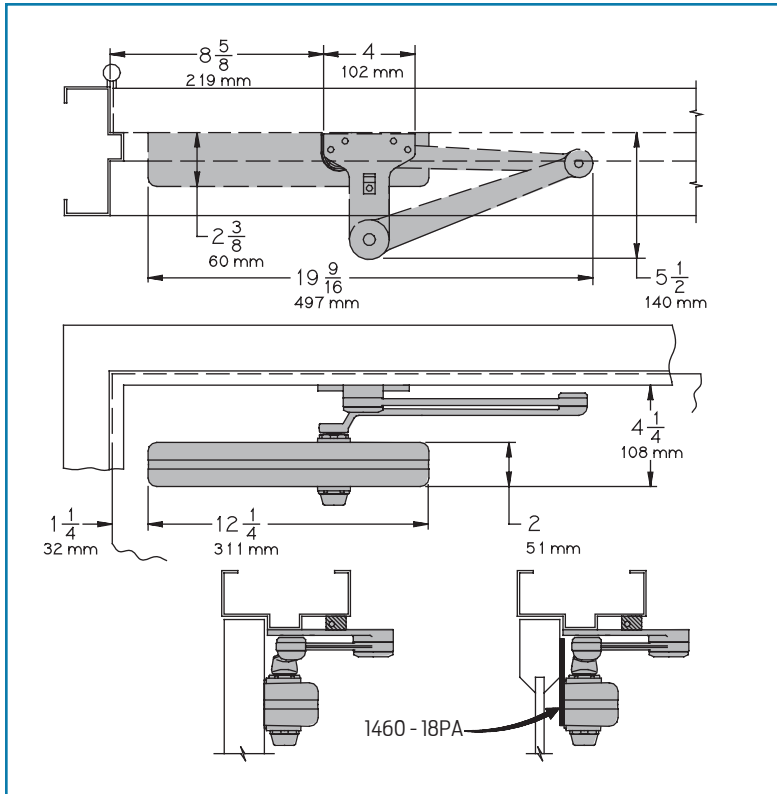
- Delayed action cylinder.
- Hold-open, EDA, HEDA, CUSH, HCUSH, SPRING CUSH, or SPRING HCUSH arms.
- Full cover. (FC)
- Designer Series metal cover. (DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

1460 SERIES

1460 EDA MOUNT



1460 EDA OR CUSH-N-STOP MOUNTING

1460 closers ordered with EDA, CUSH or SPRING CUSH arms include 1460-201 FIFTH HOLE SPACER to support the shoe.

MAXIMUM OPENING

EDA template allows 110°.

Hold-open point up to maximum opening.

CUSH arms can be templated for maximum opening/hold-open point at 85°.

Ⓐ = 2-3/8" (60 mm)

Ⓑ = 9-9/16" (243 mm)

90°.

Ⓐ = 1-5/8" (41 mm)

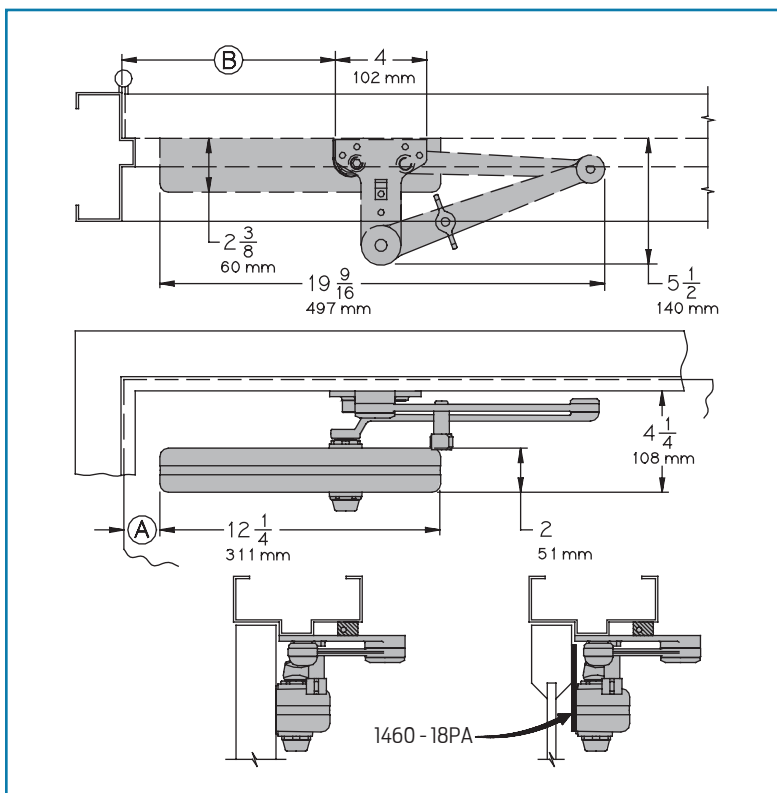
Ⓑ = 9-1/16" (230 mm)

or 100°.

Ⓐ = 5/8" (16 mm)

Ⓑ = 8-1/16" (205 mm)

1460 CUSH MOUNT



■ **Spring CUSH** hold open points are approximately 5° less than dead stop point.

■ **Clearance** for 1460-62EDA or CUSH shoe is 5-1/2" (140 mm) from door face.

■ **Head Frame** flush or rabbeted requires PA FLUSH PANEL ADAPTER, 1460-419.

■ **EDA or CUSH ARM** requires SHOE SUPPORT, 1460-30 for fifth screw anchorage where reveal is less than 3-1/16" (78 mm).

1460 SERIES

CYLINDERS

CYLINDER, 1461-3071

Standard, non-handed cast iron cylinder assembly.

ARMS

REGULAR ARM, 1460-3077

Non-handed arm mounts hinge side or top jamb.

P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting.

PA SHOE, 1460-62PA

Required for parallel arm mounting.

LONG ARM, 1460-3077L

Optional, non-handed arm includes LONG ROD AND SHOE, 1460-79LR for top jamb mount with deep reveals.

HEAVY DUTY REGULAR ARM 1460-3077HD

Optional, heavy duty, forged, non-handed arm, mounts hinge side, top jamb or parallel arm.

HEAVY DUTY LONG ARM 1460-3077HDL

Optional, heavy duty, forged, non-handed arm. Includes long rod and shoe, 1460-79LR for top jamb mounts with deep reveals.

HOLD-OPEN ARM, 1460-3049

Optional, non-handed arm mounts hinge side, top jamb or parallel arm (62PA required). Hold-open adjustable at shoe.

LONG HOLD-OPEN ARM, 1460-3049L

Optional non-handed arm includes LONG HEAD AND TUBE, 1460-3048L for top jamb mount with deep reveals.

EXTRA DUTY ARM, 1460-3077EDA, 1460-3077EDA/G

Optional, non-handed parallel arm features solid forged steel main and forearm for potentially abusive installations. Optional 1460-3077EDA/G for blade stop clearance.

HEDA ARM, 1460-3049EDA

Optional handed arm, provides hold-open function adjustable at shoe.

CUSH-N-STOP® ARM, 1460-3077CNS

Optional, non-handed parallel arm features solid forged steel main arm and forearm with stop in soffit shoe.

HCUSH ARM, 1460-3049CNS

Optional non-handed arm, provides hold-open function with templated stop/hold-open points. Handle controls hold-open function.

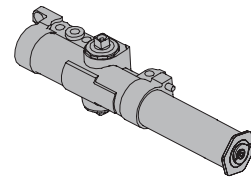
SPRING CUSH ARM, 1460-3077SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe.

SPRING HCUSH ARM, 1460-3049SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe. Handle controls hold-open function.

3071

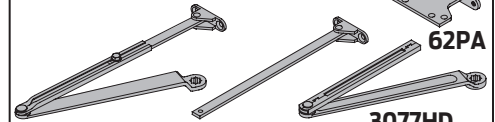


3077

79LR

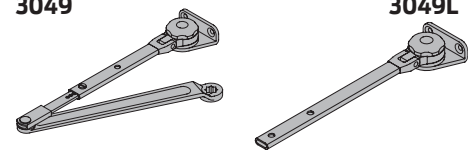
62PA

3077HD

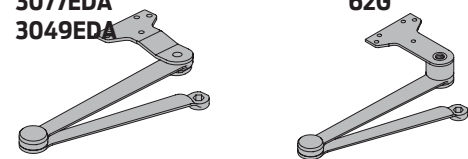


3049

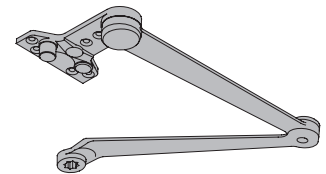
3049L

3077EDA
3049EDA

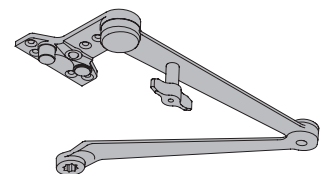
62G



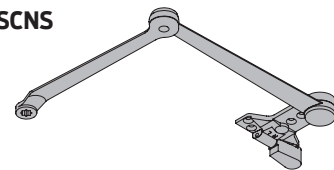
3077CNS



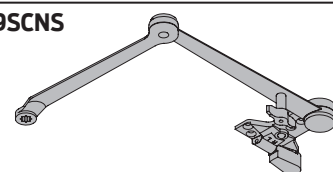
3049CNS



3077SCNS



3049SCNS



1460 SERIES

ACCESSORIES

COVERS

COVER, 1460-72

Standard, non-handed, slim line plastic cover with feature strip.

FULL COVER, 1460-72FC

Optional, non-handed, plastic cover provides complete enclosure.

DESIGNER SERIES METAL COVER, 1460-72DS

Optional, non-handed designer series metal full cover provides complete enclosure with a stylish look. Required for plating and custom powder coat option.

INSTALLATION ACCESSORIES

PLATE, 1460-18/1460-18DS1/1460-18FC

Required for hinge side mount where top rail is less than 2-1/2" (64 mm). Required for top jamb mounting where head frame is less than 1-3/4" (44 mm) or flush ceiling condition exists. Plate requires minimum 1-1/2" (38 mm) minimum top rail or 1-1/4" (32 mm) head frame. With full cover, use PLATE, 1460-18FC. With Designer Series metal cover, use PLATE, 1460-18DS1. Note: 18FC and 18DS will not work in top jamb application.

PLATE, 1460-18PA/1460-18PADS1/1460-18PAFC

Required for parallel arm mounting where top rail is less than 4-3/8" (111 mm), measured from the stop. Plate requires 1-3/4" (44 mm) minimum top rail. With full cover, use PLATE, 1460-18PAFC. With Designer Series metal cover, use PLATE, 1460-18PADS1.

CUSH SHOE SUPPORT, 1460-30

Provide anchorage for fifth screw used with CUSH arm where reveal is less than 3-1/16" (78 mm).

BLADE STOP SPACER, 1460-61

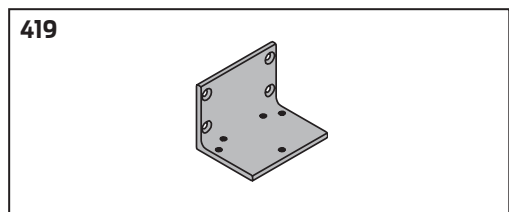
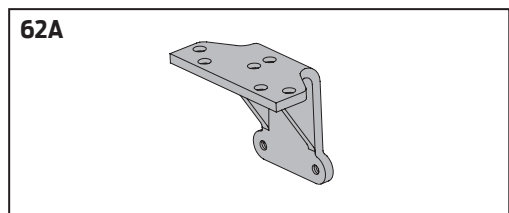
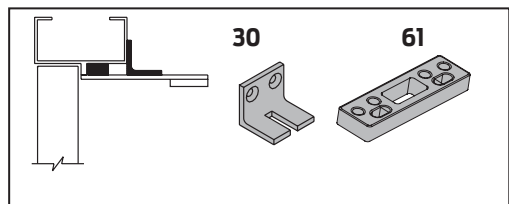
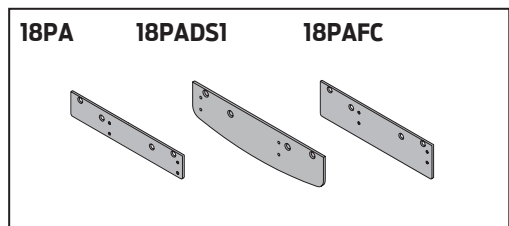
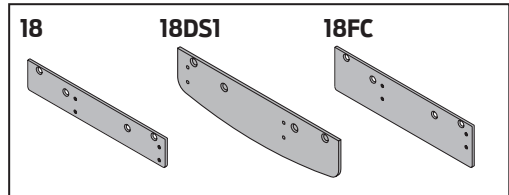
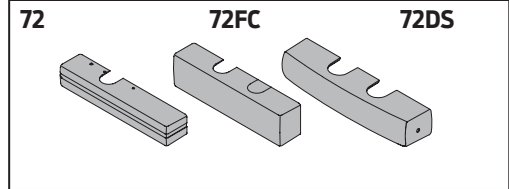
Lowers parallel arm shoe to clear 1/2" (13 mm) blade stop.

AUXILIARY SHOE, 1460-62A

Requires a top rail of 7" (178 mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop. Special template required.

PA FLUSH PANEL ADAPTER, 1460-419

Provides horizontal mounting surface for PA, EDA, or CUSH shoe on single rabbeted or flush frame.



1460 SERIES

TABLE OF SIZES

Select closer based on width of door.

The spring power of a 1461 cylinder is field adjustable from size 1 through size 6 and is shipped adjusted to size 3.

EXTERIOR (and VESTIBULE) DOOR WIDTH

24"	30"	36"	42"	48"
610mm	762mm	914mm	1067mm	1219mm
size 3	size 4	size 5	size 6	

*1461
Minimum Door Width

INTERIOR DOOR WIDTH

24"	34"	38"	48"	54"	60"
610mm	610mm	965mm	1219mm	1372mm	1524mm
size 2	size 3	size 4	size 5	size 6	

*1461
Minimum Door Width

* Adjustable Size 1 thru 6

→ Indicates recommended range of door width for closer size.

REDUCED OPENING FORCE 1460 CLOSERS

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	1461	1461	1461
	5.0* lbs.	1461	1461	1461

* Maximum opening force.

HOW TO ORDER 1460 SERIES CLOSERS

1. SELECT FINISH

- ☐ Standard Powder Coat _____
Aluminum, Dark Bronze, Statuary,
Light Bronze, Black, Brass.

Closer will be shipped with:

- STANDARD CYLINDER,
 - STANDARD COVER,
 - REGULAR ARM,
 - SELF-REAMING and TAPPING SCREWS,
- unless options listed below are selected.*

CLOSER OPTIONS

CYLINDER

- ☐ Delayed Action (DEL)

COVER

- ☐ Full cover (FC)
- ☐ Designer series cover (DS)

FINISH

- ☐ Custom Powder Coat (RAL) _____
(DS cover required)
- ☐ Plated Finish, US _____
(DS cover required)
- ☐ SRI primer (for use with powder coat finishes only)

ARM

- ☐ Regular w/62PA (Rw/PA)
- ☐ Long (LONG)
- ☐ Regular w/62A (Rw/62A)
- ☐ Hold-Open (H)
- ☐ Hold-Open w/62PA (Hw/PA)
- ☐ Long Hold-Open (HLONG)
- ☐ Heavy Duty (HD)
- ☐ Heavy Duty w/62A (HD/62A)
- ☐ Heavy Duty w/62PA (HD/PA)
- ☐ Heavy Duty Long (HDL)
- ☐ EDA (optional -62G)
- ☐ HEDA (specify right or left hand), (optional -62G)
- ☐ Cush-N-Stop (CUSH)
- ☐ HCush (HCUSH)
- ☐ Spring Cush (SCUSH)
- ☐ Spring HCush (SHCUSH)

OPTIONAL SCREW PACKS

- ☐ TB* w/Self-Reaming and Tapping Screws (TBSRT)
 - ☐ Wood & Machine Screw (WMS)
 - ☐ TB*, Wood & Machine Screw (TBWMS)
 - ☐ TORX Machine Screw (TORX)
 - ☐ TB* & TORX Machine Screw (TBTORX)
- * Specify door thickness if other than 1-3/4".

SPECIAL TEMPLATE

- ☐ ST- _____

INSTALLATION ACCESSORIES

- ☐ Plate, 1460-18
- ☐ Plate, 1460-18DS
- ☐ Plate, 1460-18FC
- ☐ Plate, 1460-18PA
- ☐ Plate, 1460-18PADS
- ☐ Plate, 1460-18PAFC
- ☐ CUSH Shoe Support, 1460-30
- ☐ Blade Stop Spacer, 1460-61
- ☐ Auxiliary Shoe, 1460-62A
- ☐ PA Flush Panel Adapter, 1460-419

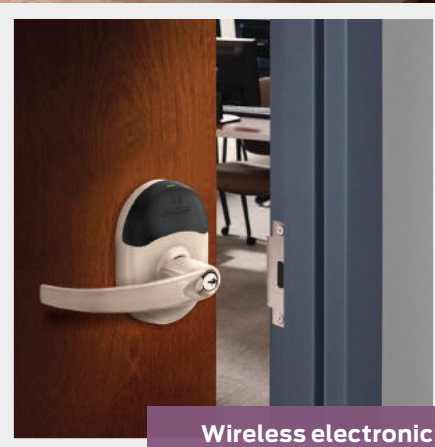
PHONE 877-671-7011
FAX 800-248-1460
www.allegion.com/us
2/14



ND Series

Grade 1 cylindrical locks

Mechanical
Wired electrified
Wireless electronic



The Schlage® ND Series cylindrical locks

Walter Schlage invented the cylindrical lock in 1920. Since then, Schlage Lock Company has consistently delivered innovation and continuous improvement. In that tradition, we are extremely proud to introduce the redesigned ND Series cylindrical lock.

Most manufacturers' approach to locks ends with simply meeting industry standards like Grade 1. With the Schlage ND, Grade 1 is just the beginning.

Performance beyond Grade 1

The Schlage® ND family significantly exceeds BHMA Grade 1 requirements for cycle, lever torque, hammer blow, lever pull and other tests. This means confidence that the lock will last—whether the application calls for high abuse resistance or just operation over millions of cycles—without any degradation in performance.

Comprehensive offering for every opening

Mechanical, wired electrified and wireless electronic solutions allow a common aesthetic and consistent user experience throughout the building while lowering the total cost of ownership.

World-class design

A proven, easy to install product with extensive function, keying, trim and finish capabilities that work in nearly any applications.



ND mechanical



Applications

The Schlage ND is extremely versatile and is regularly used in healthcare, education, government, office, retail and other commercial applications.

With 31 mechanical functions, the ND's range spans from the simple (non-locking passage) to complex (double-cylinder security) to specialized (school time-out lock).

Because the ND uses an ANSI 161 door prep, commonly used across cylindrical locks, it is ideal for both new construction and retrofit applications.

Key features

- Significantly exceeds ANSI/BHMA A156.2 requirements for Grade 1 cylindrical locks
- 31 mechanical functions (see adjacent columns for wired electrified and electronic options)
- Nine lever designs, two rose designs
- 10 available finishes
- Supports standard, SFIC and FSIC cylinder formats
- Multiple key systems available – open, patented, restricted, geographic exclusive, UL437
- Support for 10 non-Schlage cores (see cylinder section)

ND wired electrified



Applications

Wired electrified locks complement the mechanical offering and are typically incorporated into a wired access control system or used independently with a remote access switch (e.g. switch behind a receptionist desk).

The electrified ND is ideally used in:

- high traffic areas, where line power ensures continuous operation
- new construction, where electrified door prep, hinges and wiring can easily be incorporated into the building

Key features

All mechanical features plus:

- auto-detecting 12-24VDC input
- selectable EL/EU operation
- low 0.23 amp max current draw that allows multiple locks on a single power supply
- low 0.010 amp holding current that eliminates “hot levers” in electrically locked applications
- modular Request to Exit (RX) that can be added at any time
- inventory friendly—one lock supports 12-24V, EL or EU, with or without RX
- six electrified functions for application flexibility

NDE wireless electronic



Applications

Wireless electronic locks complete the offering by delivering all of the access control system hardware components required at the door in a single integrated design.

NDE wireless lock applications include:

- retrofit applications where electronic credentials can be used for improved visibility and control
- new construction to expand the scope of access control to interior openings
- low to medium traffic areas, where battery power delivers long life

Key features

All mechanical features¹ plus:

- Fits standard ANSI 161L mechanical door prep
- Installs in minutes with only a Phillips screwdriver
- Integrated card reader, door position sensor and Request to Exit (RX) switch
- Built-in Bluetooth® enables wireless configuration from smart phones and tablets
- Built-in Wi-Fi enables automatic updates to access rights
- Capable of networked real-time communication²
- Up to 2 years of battery life (4 AA)

¹ NDE wireless electronic lock available in seven lever designs, one rose design, and nine finishes only.

² Requires ENGAGE™ Gateway and alliance access control software.

From mechanical to wired electrified to wireless electronic the ND Series offers a grade 1 solution for the entire project.

 ND mechanical



Suitable for all openings

 ND wired electrified



Ideal for high-traffic access control

 NDE wireless electronic



Ideal for low-traffic access control





STRONG

The ND Series has been redesigned to make it the strongest cylindrical lock Schlage has ever built.

- No access with minimum 3,100 in-lb abusive lever torque — the equivalent of over 690 lbs applied to the end of a 4 1/2" lever (2.6x BHMA requirements¹)
- No access with minimum 1,600 lbs offset lever pull for protection against pry bar attacks (8x BHMA requirements¹)
- No access with minimum 100 vertical impacts^{1,2} for protection against sledgehammer attacks (20x BHMA requirements¹)
- Near zero droop and wobble after 16M cycles (16x BHMA requirements¹), without the use of set screws or O-rings
- Latch retraction with 200lb preload for confident operation in warped and preloaded doors (4x BHMA requirements)

¹ Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC & SFIC). Performance with non-Schlage cylinders will exceed BHMA grade 1 requirements but may be less than the performance of products with Schlage cylinders.

² Vertical impact testing stopped after 100 blows with no sign of failure or stress.

SECURE

A strong lock is only part of the security equation—proper key and card access control is equally important.

- Everest 29™ cylinder with S123 keyway is provided standard which prohibits unauthorized key duplication at local stores and is patent protected until 2029
- Available restricted and geographic exclusive keyways for advanced key control
- Available compatibility with 10 different non-Schlage key systems
- SL cylinder option allows SFIC keyway use in a conventional cylinder, providing multiple new keying solutions including geographically exclusive SFIC when paired with Primus XP
- Wired electrified and wireless electronic locks enable the use of electronic credentials for increased visibility and control over access
- Schlage smart credentials with MiFare® DESFire® EV1 technology utilize encryption, mutual authentication and key diversification to ensure the highest levels of security



■ SMART

Smart means using innovation to make your project more efficient, flexible, and easier to install and use.

- One platform, three solutions (mechanical, wired electrified, wireless electronic)—same look and feel throughout the building for a common user experience and lower cost of ownership
- Wired electrified lock has autodetecting 12/24V input, selectable EL/EU operation, and plug-in Request to Exit (RX) for installation and inventory flexibility. Energy efficient design allows multiple locks on a single power supply with no "hot levers"
- Wireless electronic locks with ENGAGE™ can be managed with an access control system or with convenient ENGAGE web and mobile applications.
- Wireless electronic locks provide the option to leverage existing network infrastructure for offline or real-time applications
- Can upgrade from ND mechanical lock to NDE wireless electronic with only a screwdriver

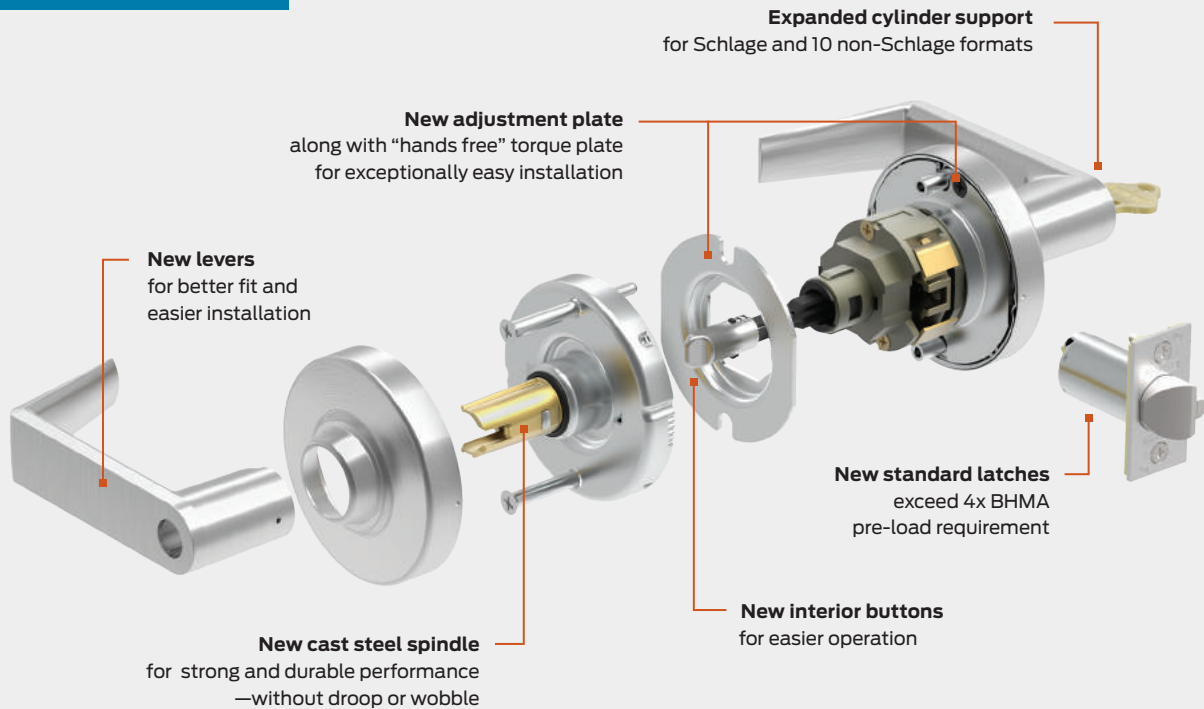


Schlage is more than locks. It's the complete infrastructure of support throughout the entire build and ownership process.

- Order entry, customer service, technical support, engineering and manufacturing co-located in the same building in Colorado Springs, Colorado
- Comprehensive support from our sales offices including consultations, masterkey development and training; industry and code training, specification writing, and product service
- Schlage products suite with other Allegion brands including Von Duprin® exit devices, LCN® door closers, and Steelcraft® doors and frames
- Custom engineering department can develop specialized functions, trim and finishes for unique applications
- Trusted partner for nearly 100 years

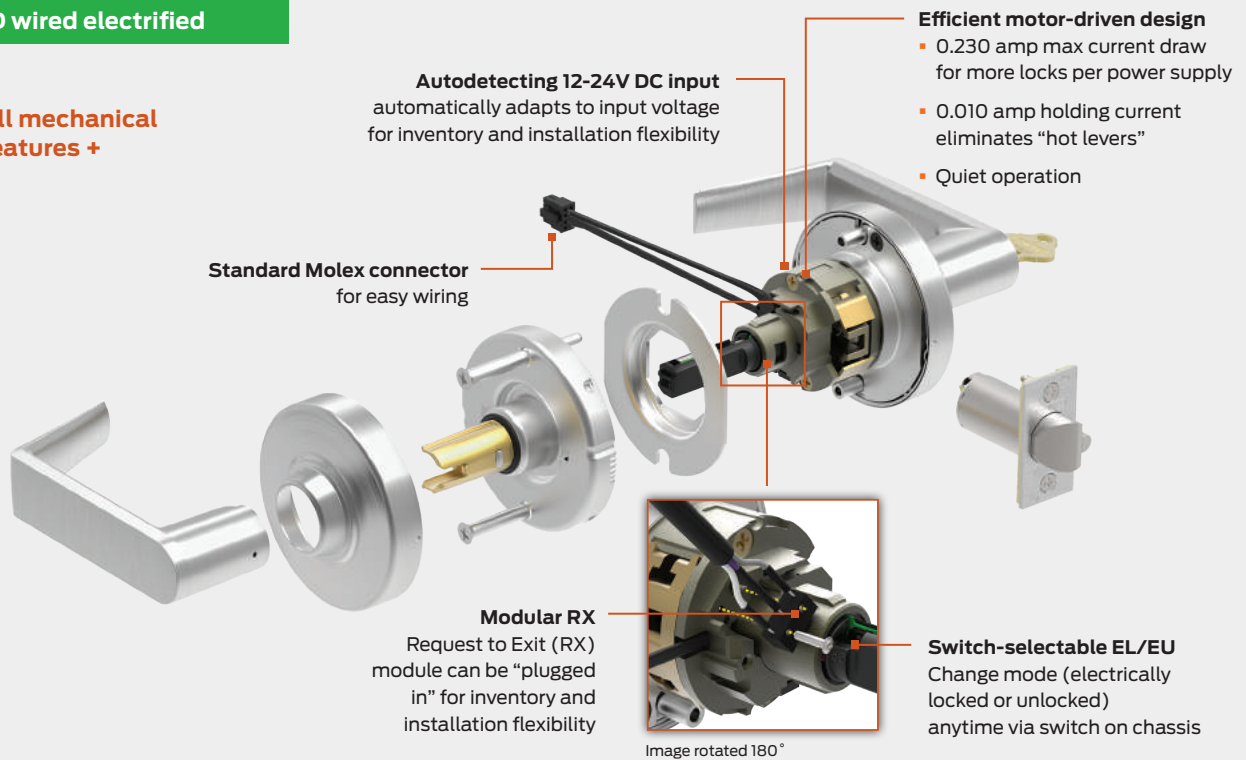
A detailed look...

ND mechanical



ND wired electrified

**All mechanical
features +**



NDE wireless electronic

All mechanical features +

Integrated multi-technology reader
reads both
125 kHz proximity
and 13.56 MHz smart
credentials

Fits standard ANSI 161L prep
Installs in minutes with only
a Phillips screwdriver

Built-in Bluetooth
enables wireless
configuration from smart
phones and tablets

Built-in Wi-Fi
enables automatic
updates to access rights

**Up to 2 years
of battery life**
with 4 AA batteries

Mechanical key override
compatible with most
popular key systems

Built-in No-Tour
eliminates the need to
visit the locks by using
smart credentials to
update access rights

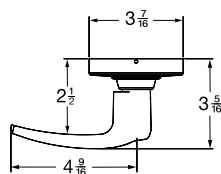
Integrated door position sensor
requires no additional prep



Image rotated 180°

Designs and finishes

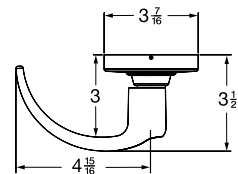
Lever designs and finishes

Athens (ATH)²

Mechanical

Wired electrified

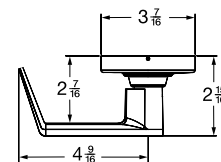
Wireless electronic

Sparta (SPA)^{1,2}

Mechanical

Wired electrified

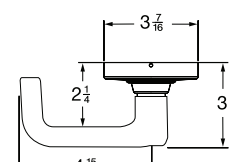
Wireless electronic

Rhodes (RHO)^{1,2}

Mechanical

Wired electrified

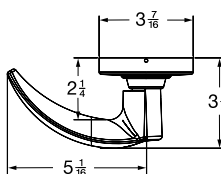
NDE wireless electronic

Tubular (TLR)^{1,2}

Mechanical

Wired electrified

Wireless electronic

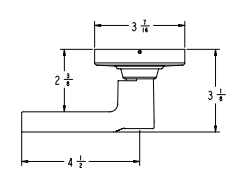
Omega (OME)¹

Mechanical

Wired electrified

Wireless electronic

Latitude (LAT)

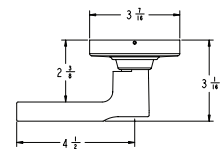


Mechanical

Wired electrified

Wireless electronic

Broadway (BRW)

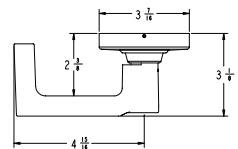


Mechanical

Wired electrified

Wireless electronic

Longitude (LON)

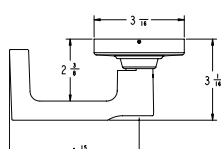


Mechanical

Wired electrified

Wireless electronic

Boardwalk (BWK)



Mechanical

Wired electrified

Wireless electronic

All levers comply with the Americans with Disabilities Act (ADA).

- 1 Boardwalk, Longitude, Omega, Rhodes, Sparta and Tubular levers comply with California State code for return within 1/2" of door face.
- 2 Athens, Rhodes, Sparta and Tubular levers support cylinders from other manufacturers, see cylinder section on page 24 for details.

Finish options									
Color	Bright brass	Satin brass	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	613	619	622	625	626/626AM	643e
US number	US3	US4	US10	US10B	US15	US19	US26	US26D	US11
Mechanical	■	■	■	■	■	■	■	■	■
Wired electrified	■	■	■	■	■	■	■	■	■
Wireless electronic	■	■	■	—	■	■	■	■	■

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

Accessibility and life safety

Door hardware should be as effective in helping people go about their lives as it is in securing their environments. The Schlage ND is designed with this requirement in mind.

Accessibility

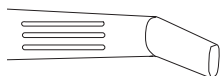
All Schlage ND levers comply with the Americans with Disabilities Act (ADA), which requires that "Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum."



Tactile warning for the visually impaired

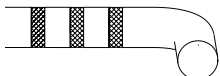
Tactile warning is a special texture applied to the outside lever to alert the visually impaired to a potential hazard on the opposite side of the door (exit to street, a workshop or other hazardous area, etc). Tactile warning is typically applied to the outside lever only, and is specified by an 8 prefix on the lever design.

Milled



Order as follows:
8AT for Athens
8RO for Rhodes
8SP for Sparta
8LT for Latitude
8LN for Longitude

Knurled



Order as follows:
8TR for Tubular
8BW for Broadway
8BK for Boardwalk

Life safety

The Schlage ND is UL listed for use on 3-hour fire doors up to 4'0" x 10'0". The Boardwalk, Longitude, Omega, Rhodes, Sparta and Tubular levers comply with the California State fire code for return to within 1/2" of the door face.

Additionally, the Schlage ND exceeds the BHMA warped door test by 4x. The BHMA standard requires that the latch be able to retract with a 50lb pre-load; the ND can retract the latch with a 200lb preload - providing more range to open the door in the event the opening becomes bound or otherwise compromised.

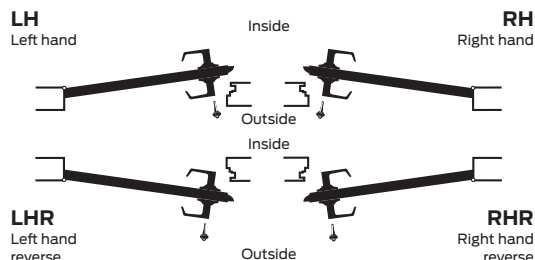
Classroom security indicator rose

Schlage ND classroom security functions come standard with an indicator rose that clearly identify key rotation direction for rapid lockdown. For ND mechanical classroom security function only.



Door handing

The ND lock family can be configured during installation to support any door handing. As a result, it is not necessary to specify handing during the ordering process.



ND Series mechanical lock

The ND mechanical lock, along with being Schlage's best selling mechanical lock, is the foundation for both the wired electrified and NDE wireless electronic lock. Not only did Schlage invent the cylindrical lock, but we continue to make it better with capabilities such as:

- Unparalleled strength - the lock prevents access even when subjected to torque loads up to 3,100 in-lbs (2.6x BHMA¹), withstands pry bar attacks of 1,600 lbs (8x BHMA requirements¹), and withstands 100 hammer blows (20x BHMA requirements^{1,2})
- Exceptional durability - cycle tested to over 16M cycles (16x BHMA requirements¹) with near zero droop or wobble - without the use of set screws or O-rings
- Improved feel - improved strength and durability are more than numbers, you can actually feel it in the lock
- Improved installation - installation is even easier than before (and without any set screws or O-rings)

All this is in addition to what you know and expect with the Schlage ND: 31 mechanical functions (plus wired electrified and wireless electronic) to meet the needs of any application; nine lever designs that suite with other Schlage locks and Von Duprin exit devices; renowned sales, customer and technical support.



1 Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC & SFIC). Performance with non-Schlage cylinders will exceed BHMA grade 1 requirements but may be less than the performance of products with Schlage cylinders.

2 Vertical impact testing stopped after 100 blows with no sign of failure or stress.

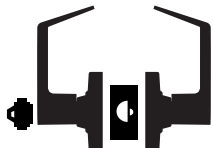
ND Series mechanical lock

Keyless function list

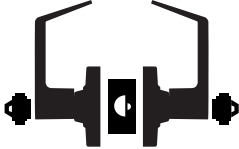
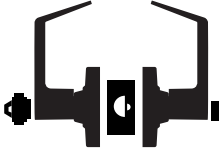
Legend		Schlage ANSI ND10S F75 Passage latch • Both levers always unlocked.		Schlage ANSI ND12D F89 Exit lock • Outside lever always fixed. • Inside lever always free for immediate egress.	
		Inside Available with RX		Outside Inside Available with RX	
Schlage ANSI ND25D - Exit lock • Blank plate outside. • Inside lever always free for immediate egress.		Schlage ANSI ND40S F76 Bath/bedroom privacy lock • Push-button locking. • Unlocked from outside with a small screwdriver. • Turn inside lever or close door to release button. • Inside lever always free for immediate egress.		Schlage ANSI ND44S - Hospital privacy lock • Push-button locking. • Unlocked from outside by turning emergency turn-button. • Turn inside lever or close door to release button. • Inside lever always free for immediate egress.	
Outside Inside		Outside Inside		Outside Inside	
				Schlage ANSI ND170 - Single dummy trim • Dummy trim for one side of door. • Used for door pull or as matching inactive trim.	
				Outside/Inside	

ND Series mechanical lock

Keyed function list

Schlage ANSI ND50PD F82 Entrance/office lock • Push-button locking. • Push-button locks outside lever until it is unlocked with key or by turning inside lever. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND53PD F109 Entrance lock • Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked. • Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND60PD F88 Vestibule lock • Latch retracted by key from outside when outside lever is locked by key in inside lever. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND66PD F91 Store lock† • Key in either lever locks or unlocks both levers. Outside Inside 
Schlage ANSI ND70PD F84 Classroom lock • Outside lever locked and unlocked by key. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND73PD F90 Corridor lock • Locked or unlocked by key from outside. • Push-button locking from inside. • Turn inside lever or close door to release button. • When outside lever is locked by key it can only be unlocked by key. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND75PD - Classroom security lock • Key in either lever locks or unlocks outside lever. • Inside lever always free for immediate egress. Outside Inside 	Schlage ANSI ND80PD F86 Storeroom lock • Outside lever is fixed. • Entrance by key only. • Inside lever always free for immediate egress. Outside Inside  Available with RX

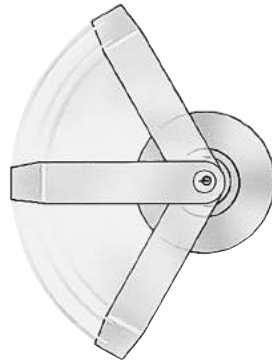
ND Series mechanical lock
Keyed function list

Schlage	ANSI	Schlage	ANSI	Electrified locks can be found in the electrified section of the catalog (page 19).
ND82PD	F87	ND85PD	-	
Institution lock†		Faculty restroom lock		
• Both levers always fixed. • Entrance by key in either lever.		• Outside lever is fixed. • Entrance by key only. • Visual occupancy indicator, allowing only emergency key to operate. • Turn inside lever or close door to unlock. • Rotation of inside spinner-button enables lock-out feature. • Inside lever always free for immediate egress. • Not available with interchangeable core cylinders.		
Outside	Inside	Outside	Inside	
				

ND Series mechanical lock

Vandlgard™ function list

Vandlgard™ trim is specifically designed for highly abusive environments. The outside lever rotates freely up and down when locked, limiting the ability of vandals to apply excessive force to the chassis



Schlage

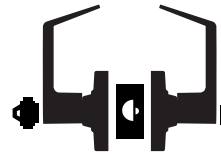
ANSI

ND91PD**F82****Entrance/office lock**

- Push-button locking.
- Push-button disengages outside lever until unlocked with key or by turning inside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage

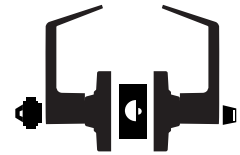
ANSI

ND92PD**F109****Entrance lock**

- Turn/push-button locking: Pushing and turning button disengages outside lever, requiring using of key until button is manually unlocked.
- Push-button locking: Pushing button disengages outside lever until unlocked by key or by turning inside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage

ANSI

ND93PD**F88****Vestibule lock**

- Latch retracted by key from outside when outside lever is disengaged by key in inside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage

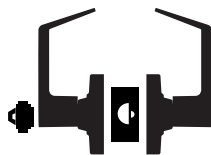
ANSI

ND94PD**F84****Classroom lock**

- Outside lever disengaged and unlocked by key.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage

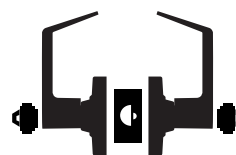
ANSI

ND95PD**-****Classroom security lock**

- Key in either lever locks or unlocks outside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage

ANSI

ND96PD**F86****Storeroom lock**

- Outside lever always disengaged.
- Entrance by key only.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside

Inside



Available with RX

ND Series mechanical lock

Vandlgard and special function list

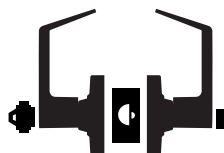
Schlage ANSI

ND97PD F90

Corridor lock

- Locked or unlocked by key from outside.
- Push-button locking from inside.
- Turning inside lever or closing door releases button.
- When outside lever is locked by key it can only be unlocked by key.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

Outside Inside



Schlage ANSI

ND45 -

Time out lock

- Pushing and holding outside button disengages inside spindle, allowing inside lever to free-wheel without retracting latch. Release of outside button allows free egress from inside.

Outside Inside



ND Series other special functions

ND30D

Patio lock

Push button locking. Turning inside lever or closing door releases button, preventing a lock-out. Inside lever always free for immediate egress. Specify per XN12-007.

ND25 x 80PD

Storeroom exit lock

Blank plate outside. Key in fixed inside lever retracts latch. Specify per XN12-005.

ND25 x 70PD

Classroom exit lock

Blank plate outside. Key locks or unlocks inside lever. Specify per XN12-004.

ND60PD

Vestibule with closed outside lever

Same as ND60 except outside lever is closed. Inside lever always free for immediate egress. Specify per XN12-001.

ND70 x 80PD

Classroom by storeroom lock

Key locks and unlocks outside lever. Key in fixed inside lever retracts latch. Specify per XN12-006.

ND72PD

Communicating lock

Key in either lever locks and unlocks respective lever. Specify per XN12-002.

ND72PD

Vandlgard communicating lock

Communicating, ND72, lock with Vandlgard. Key in either lever locks and unlocks own lever. Both inside and outside levers are clutching. Specify per XN12-003.

Electrified locks can be found in the electrified section of the brochure (page 18).

ND Series wired electrified locks

The ND wired electrified lock complements the ND mechanical lock by working with access control systems to provide advanced security in high traffic areas. Because the electrified ND uses a motor instead of a solenoid, it offers unparalleled energy efficiency and flexibility in wired electrified applications.

More ECO. A maximum current draw of 0.23 amps not only saves energy, but by allowing more locks to run off a single power supply it saves money as well. The low 0.010 amp holding current eliminates any potential for hot levers in electrically locking applications or in electrically unlocking applications where the door is left open for long periods of time.

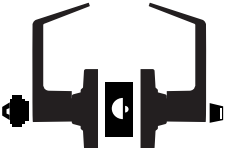
More FLEX. The electrified ND has flexibility for any application—it automatically operates from 12 to 24VDC, and the operating mode (electrically locked or unlocked) can be changed by simply toggling a switch on the chassis. Request to Exit (RX) can even be added with a simple upgrade kit.

The electrified ND has a number of other features and benefits. Incredibly quiet operation. Tested to over 4x BHMA standards. The electrified ND also comes standard with the Allegion connect Molex™ connector system (may be cut off and installed using traditional splicing methods if desired).



ND Series wired electrified lock

Function list

Keyless		Keyed		Keyed Vandlgard	
Schlage	ANSI	Schlage	ANSI	Schlage	ANSI
ND12ELD ND12EUD	-	ND80ELPD ND80EUPD	-	ND96ELPD ND96EUPD	-
Keyless electrified exit		Electrified storeroom		Electrified storeroom with Vandlgard	
- Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC. - EL is fail safe (power fail unlocks outside lever). - EU is fail secure (power fail locks outside lever). - Inside lever always free for immediate egress.		- Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC. - EL is fail safe (power fail unlocks outside lever). - EU is fail secure (power fail locks outside lever). - Key outside serves as mechanical override. - Inside lever always free for immediate egress.		- Adds Vandlgard to ND80EL/EU. - Vandlgard allows outside spindle to disengage from latch when locked, limiting the ability of vandals to apply excessive force to the chassis. See page 16 for more details.	
Outside	Inside	Outside	Inside	Outside	Inside
					
Electrified		Electrified		Electrified	
Available with RX		Available with RX		Available with RX	

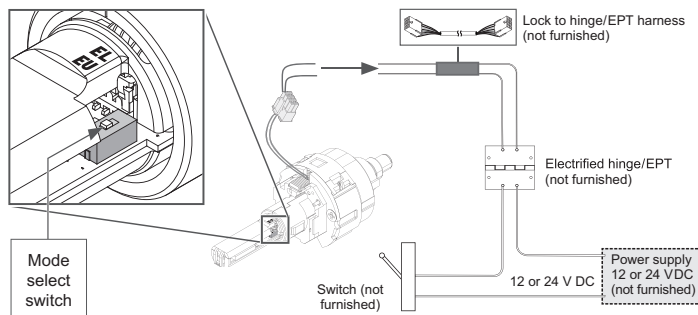
Electrical requirements

- Input voltage: auto-detects 10.8-26.8VDC
- Max current draw: 0.230 amp (230mA)
- Holding current: 0.010 amp (10mA)
- Temperature range: 32°F-120°F (0°-49°C)

Request to Exit (RX)

- Normally open, normally closed and common leads provided
- Electrical rating: 2A, 30VDC max
- Order (with lock): specify RX in option field
- Order (retrofit): p/n N123-062

Wiring instructions



Maximum Total Wire Length				
AWG	14	16	18	20
12 V	500' (152 m)	300' (91 m)	200' (61 m)	100' (30 m)
24 V	Up to 1000' (304 m)			

Note: Either lock wire may be attached to either power supply terminal (+ or -).

NDE wireless electronic locks

NDE wireless locks simplify installation by combining the lock, credential reader, door position sensor and Request to Exit (RX) into a single integrated design. NDE shares the same standard cylindrical door prep as the ND lock and installs in minutes with only a Philips screwdriver.

Built-in Bluetooth® enables NDE wireless locks to connect directly to smart phones and tablets—no need for a proprietary handheld device for set-up and configuration.

Built-in Wi-Fi enables NDE to connect directly to an existing Wi-Fi network for automatic updates to access rights and configuration.

With the ENGAGE cloud-based web and mobile apps, it's easy to configure lock settings, manage access rights, and view audits and alerts from anywhere. Updates can be sent any time at the lock with the ENGAGE mobile app and occur automatically overnight when NDE is configured to connect to a Wi-Fi network.

NDE wireless locks can also be connected to the ENGAGE Gateway for real-time networked communication with software from one of our software alliance members.



NDE wireless electronic locks

Function

Schlage
NDE80PD
Lock with Vandlgard

ANSI
F86

- Can be used for perimeter doors, suite entrances, offices, and sensitive storage spaces.
- Lockset is normally secure with outside lever disengaged.
- Valid credential or key momentarily unlocks door.
- Valid credential may be used to change to a passage or secured state.
- Lock schedule may be implemented to put the lock in a passage or secured state.
- Inside lever always allows free egress.

Included status monitors

- Request to Exit
- Door position
- Interior cover tamper⁵
- Magnetic tamper
- Battery status
- Lock/unlock status⁶
- Communication status⁵

Product specifications

Wireless lock specifications

Users	Up to 5,000 ¹
Audits	Up to 2,000 ²
Credential verification time	≤ 1 second ³
Visual communications	LED (red, amber, green)
Audible communications	Audible indicator (field configurable)
Gateway communication range	Up to 30' in typical building environments. A detailed site survey is recommended. Reference ENGAGE™ Gateway Data Sheet for additional detail.
Wake-Up on Radio	Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires alliance partner software)
Battery life	Up to 2 yrs with 4 AA batteries ⁴
Operating temperature (exterior)	-31° to 151°F (-35° to 66°C)
Operating temperature (interior)	32° to 120°F (0° to 49°C) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013 (Indoor/Outdoor), ANSI/BHMA A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, ADA, RoHS, ICC ANSI A117.1

Multi-technology reader specifications

Frequency	125 kHz proximity and 13.56 MHz smart credential
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Up to 1.25" on 125 kHz proximity, up to 0.75" on 13.56 MHz smart credential

¹ Maximum database storage capacity of lock. Can vary upon access control software database capacity when paired with an ENGAGE Gateway RS-485 to ACP

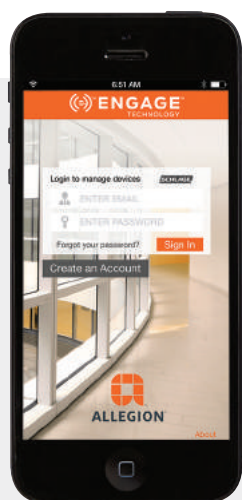
² Maximum audit storage capacity of lock. Can vary upon access control software audit storage capacity when paired with an ENGAGE Gateway RS-485 to ACP

³ Response time does not include latency time of host when linked to an ENGAGE Gateway

⁴ Assuming indoor application, 13.56 MHz CSN credential, 100 actuations and one Wi-Fi update per day

⁵ Consult your access control software provider for specific scope of support

⁶ Software indicates lock/unlock status based on sequence of events



ENGAGE cloud-based web and mobile applications

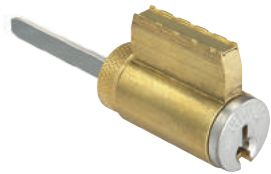
ENGAGE cloud-based web and mobile apps make it easy to configure lock settings, manage access rights and view audits and alerts from anywhere.



Cylinders and key systems

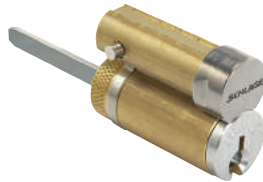
A strong lock is only part of the security solution—proper key control is equally important. Schlage offers extensive options to meet the security needs of the specific project.

Cylinders



Conventional KIL cylinder options¹

- 6-pin length (standard)
- 7-pin length in SL cylinder
- Available in Schlage Classic and Everest 29™ open and restricted keyways
- Primus® XP security features and geographic exclusivity
- Primus XP UL 437 listed high security features
- Hotel cylinder (for use in faculty restroom function)



Full size interchangeable core (FSIC) options¹

- 6-pin length
- Available in Schlage Classic and Everest 29 open and restricted keyways
- Interchangeable core compatible with conventional cylinder key systems
- Primus XP security features and geographic exclusivity



Small format interchangeable core (SFIC) options²

- 7-pin combined Everest 29 R restricted keyways³
- 6 or 7-pin uncombined Falcon®/Best® keyways⁴

¹ Available in 606, 622, 626 and 643 plug face finishes; Everest 29 S123 keyway standard.

² Available 606, 613 (simulated), 622, 626 and 643e finish only.

³ Restricted keyway cores require authorization from the end user.

⁴ Must be ordered separately from lock; not available factory keyed.

Key systems

Classic keyway

- Open keyway—keys are duplicated and available without ordering formalities
- Upgradeable to Primus XP and UL 437 levels of security

Everest 29

- Patented through 2029
- Key duplication is restricted providing a higher level of security for the cylinder
- Can be integrated to an existing Everest B, C, or D system
- Upgradeable to Primus XP and UL 437 levels of security

Primus XP

- Independent, dual locking mechanisms
- Unique side bit milling on key makes unauthorized duplication highly enforceable
- Allows creation of geographically exclusive keys in a thousand available combinations
- Provides patent protection when applied to Schlage Classic keyways
- Compatible to all Everest and Everest 29 keyways

Everest 29 SL

- A high security conventional (KIL) cylinder pinned on an A2 system compatible with the Schlage Everest B and Everest 29 R keyways
- Users can expand existing Everest B and Everest 29 R key systems
- Enables Primus XP and UL 437 upgrades on SFIC keyways



Readers and credentials

Schlage's comprehensive portfolio of electronic credentials and wall mount readers are designed to provide enhanced levels of security, efficiency and convenience to any facility.

Proximity (125 kHz) technology:

- Basic open contactless technology; recommended for legacy systems only
- Encoded with a unique number that cannot be updated or changed

Smart (13.56 MHz) technology:

- Advanced contactless technology, more secure than magnetic stripe and proximity options
- Advanced data encryption secures against duplication
- Recommended for new systems
- Open platform, designed to work with a wide array of systems and applications beyond access control

Multi-technology options that provide flexibility:

- All multi-technology credentials and readers feature aptiQ technology with either magnetic stripe or proximity
- Enables migration from legacy platform to secure smart technology
- Reader options available with keypad for +PIN for high security applications



Credentials

Options include clamshell or ISO cards, keyfobs, wristbands and mobile.

Readers

Single-technology proximity (PR) and smart (SM) readers available in a mini mullion design. Multi-technology (MT) options include mullion, single gang and single gang with keypad (K).

Power supplies



Schlage power supplies are designed for speed and ease of installation upfront with the assurance post installation of the highest quality output in terms of even power flow to protect downstream devices.

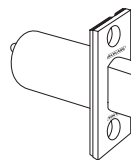
Lock options

Latches

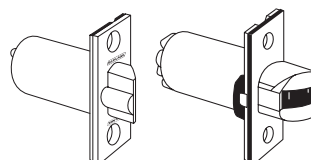
ND latches are adjustable for flat or beveled edge doors, and are finished to match the lock trim. All ND Series latches have 1/2" throw and 1" housings except the anti-friction fire door latch, which has a 3/4" throw. Please see the Schlage pricebook for more options including extended backset strikes (up to 5") and rabbited latch and strike kits.

	Part number	Backset	Description
Springlatch	13-248	2 3/4"	Square corner, 1 1/8" x 2 1/4" (default springlatch)
	14-010	3 3/4"	Square corner, 1 1/8" x 2 1/4"
Deadlatch	14-047	2 3/8"	Square corner, 1 1/8" x 2 1/4"
	14-048	2 3/8"	Square corner, 1" x 2 1/4"
	13-247	2 3/4"	Square corner, 1 1/8" x 2 1/4" (default deadlatch)
	14-042	2 3/4"	Anti-friction fire door latch (3/4" throw)
	14-028	3 3/4"	Square corner, 1 1/8" x 2 1/4"

Springlatch



Deadlatch



3/4" throw
anti-friction
deadlatch
for pairs of
fire doors

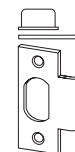
Strikes

The ND Series is available with both T-Strike and ANSI strikes in a variety of lip lengths to accommodate different door preps.

	Part number	Description
T-strike	10-013 xx	T-strike, square corner, with strike box, 1 1/8" x 2 3/4". Specify lip length (xx) as 1 1/8" or 1 1/2". For ND and wired ND only.
	10-016	T-strike, square corner, with deep strike box, for fire door latch. 1 1/8" x 2 3/4" w/ 1 1/8" lip. For ND and wired ND only.
	10-132 xx	T-strike, square corner, with strike box, DPS magnet, 1 1/8" x 2 3/4". Specify lip length (xx) as 1 1/8" or 1 1/2". For NDE only.
	10-133 xx	T-strike, square corner, with deep strike box, DPS magnet, for fire door latch. 1 1/8" x 2 3/4" w/ 1 1/8" lip. For NDE only.
ANSI	10-025 xx	ANSI, no box, 1 1/4" x 4 7/8". Specify lip length (xx) as 1 3/16", 1 3/8" or 1 1/2" (1 3/16" lip is default strike). For ND and wired ND only.
	K510-066	Box for ANSI strike.
	10-130 xx	ANSI, no box, DPS magnets, 1 1/4" x 4 7/8". Specify lip length (xx) as 1 3/16", 1 3/8" or 1 1/2" (1 3/16" lip is default strike). For NDE only.

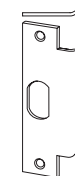
T-strike

(10-013)
1 1/8" x 2 3/4" x 3/32"



ANSI strike - standard

(10-025)
1 1/4" x 4 7/8" x 3/32"



Non-Schlage cylinders

The ND lock can accommodate cylinders from a variety of manufacturers, provided it is specified when ordering the lock.

Cylinder type	Cylinder code
Sargent KIL ¹	L-SAR
Sargent FSIC ¹	J-SAR
CR KIL ¹	L-CO6
CR FSIC ¹	J-CO6
CR FSIC 7-pin ²	J-CO7

Cylinder type	Cylinder code
Yale FSIC ¹	J-YA6
Yale FSIC 7-pin ²	J-YA7
Medeco 31 ¹	J-YA6
Medeco 32 ¹	J-MED
Best	see SFIC cylinder instructions page 25

¹ Available in ATH, RHO, SPA, TLR lever designs only.

² CR and Yale FSIC 7-pin available RHO only.

Ordering instructions

Example

Function + cylinder		Outside		Inside		Door				
		Lever	Finish	Lever	Finish	Latch	Strike	Thickness	Extension	Dimension
Mechanical	ND53PD	ATH	626							
Wired electrified	ND80EUL	RHO	605	SPA	619	14-048	10-013	214	EE	118
Wireless electronic	NDE80BD	SPA	619							

Detail

Function	Mechanical: Wired electrified: Wireless electronic:	See pages 12-17 See pages 18-19 NDE80; see pages 20-21
Cylinder	Standard: P (Patented Everest 29) L (less cylinder) C (less double cylinder) Z (Everest SL)	Full size Interchangeable (FSIC): R (FSIC, Patented Everest29) J (FSIC, less core) T (FSIC, Construction Core) Small format Interchangeable: GD (SFIC, Patented Everest 29) BD (SFIC, less core) BDC (SFIC, disposable core) HD (SFIC, construction core)
For non-Schlage cylinders please see page 24		
Outside lever	ATH (Athens), RHO (Rhodes), SPA (Sparta), TLR (Tubular), OME (Omega), LAT (Latitude), LON (Longitude), BRW (Broadway), BRK (Boardwalk) Note: Specify tactile as: 8AT (Athens), 8RO (Rhodes), 8SP (Sparta), 8TR (Tubular), 8LT (Latitude), 8LN (Longitude), 8BY (Broadway), 8BK (Boardwalk)	
Outside finish	605 Bright brass (US3) 606 Satin brass (US4) 612 Satin bronze (US10) 613 Oil rubbed bronze (US10B) ¹ 619 Satin nickel (US15) 622 Matte black (US19) 626 Satin chrome (US26D) 626AM Satin chrome anti-microbial 625 Bright chrome (US26) 643e Aged bronze (US11) ¹ Not available NDE wireless electronic	
Inside lever	Specify only if different from outside lever. Same options as outside lever.	
Inside finish	Specify only if different from outside finish. Same options as outside finish.	
Latch	Specify only if different from standard latch; see page 24 for options.	
Strike	Specify only if different from standard strike; see page 24 for options.	
Door thickness	Specify only if outside standard door range (1 5⁄8"-2 1⁄8"). Extended door thickness not available NDE wireless electronic.	
Extension	Specify only for doors 2 1⁄8" or greater. Example: EE = Extended Equally, EI = Extended Inside, EO = Extended Outside, ED = Extended Differently	
Dimension	Specify only for non-standard strike lip length.	
Options	Specify any additional requirements or options. Example: KA = Keyed Alike, KD = Keyed Different, Obit, etc.	

Product specifications

		ND mechanical and ND wired electrified	NDE wireless electronic
Chassis	Material	Modular design of zinc and steel components plated for corrosion protection	
	Door thickness	Standard: 1 ⁵ / ₈ " to 2 ¹ / ₈ " Optional: 1 ³ / ₈ " - 6" EE, EO, EI, ED configurations	Standard - 1 ⁵ / ₈ " to 2"
Trim	Handing	Non-Handed	Default to Right Hand, configurable without tools
	Levers	Standard: Nine designs, pressure cast zinc, plated to match product finish specification Optional: Tactile feature - Athens (ATH), Rhodes (RHO), Sparta (SPA), Tubular (TLR), LAT (Latitude), LON (Longitude), BRW (Broadway), BRK (Boardwalk)	
	Roses	Wrought brass, bronze, or zinc, plated to match product finish specification	Zinc, plated to match product finish specification
	Finishes	10 available (605, 606, 612, 613, 619, 622, 625, 626, 626AM, 643e)	9 available (605, 606, 612, 619, 622, 625, 626, 626AM, 643e)
Latches	Backset	Standard: 2 ³ / ₄ " Optional: 2 ³ / ₈ ", 3 ³ / ₄ ", 7 ³ / ₄ "	Standard: 2 ³ / ₄ " Optional: 2 ³ / ₈ "
	Faceplate	Standard : 1 ¹ / ₈ " x 2 ¹ / ₄ " Optional: 1" x 2 ¹ / ₄ " for 2 ³ / ₈ " backset doors	Standard: 1 ¹ / ₈ " x 2 ¹ / ₄ "
	Bolt	Standard : ¹ / ₂ " throw via Oil Impregnated Stainless Steel Optional : ³ / ₄ " throw anti-friction bolt available for pairs of doors	
	Strike	Standard: ANSI Curved Lip: 1 ¹ / ₄ " x 4 ⁷ / ₈ " x 1 ³ / ₁₆ " Optional: T Strike, ANSI strikes with alternative lip lengths, dust box options	
Keying	Formats	Standard: 3 Schlage (KIL or FSIC or SFIC) Optional: 10 Non-Schlage including cylinders from Best, Corbin Russwin, Medeco, Sargent and Yale	
	Access security	Standard : 6-Pin Patented Everest 29 Optional: Open, Restricted, Primus, master keying, construction keying	
Wired electrified	Input voltage	Autodetecting 12-24V DC, + 10%	—
	Operating mode	Fail Safe or Fail Secure via switch on chassis	—
	Current draw	0.23 amps maximum; 0.01 amps holding	—
	Request to Exit	Modular - 3A @ 125VAC / 2A @ 30VDC	—
Wireless electronic	Input voltage	—	4 AA batteries
	Operating mode	—	Selectable - secured, as-is, or passage
	Communication	—	2.4 GHz Wi-Fi (IEEE 802.11b/g) Bluetooth low energy (version 4.0)
	Request to Exit	—	Integrated into chassis
	Door position sensor	—	Integrated magnetometer with strike and magnet assembly. Includes magnetic tamper alert.
	Tamper sensor	—	Integrated interior cover tamper
Warranty	Mechanical	10 years mechanical, 1 year wired electrified	1 year wireless electronic
Certifications	ANSI/BHMA	All ND Series comply with A156.2 performance requirements for grade 1 cylindrical locks. Wired electrified complies with A156.25 (indoor), wireless electronic complies with A156.25 (indoor/outdoor) requirements for electrified locking devices	
	ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities	
	UL/cUL	All locks 3 hour A label single fire door 4'0" x 10'0"; pair doors 3 hour fire door 8'0" x 8'0" with ³ / ₄ " latch option; pair doors 90 minute fire 8'0" x 10'0" with ³ / ₄ " latch option	
	CA Fire Code	All levers with a return to door of ¹ / ₂ " (64 mm) or less comply (Rhodes, Sparta, Tubular, Omega, Longitude and Boardwalk)	
	FL Building Code	Complies with Florida Building Code (ASTM E330, E1886, E1996) and Miami Dade (TAS 201, 202, 203) requirements for hurricanes	
	Federal	Meets FF-H-106C Series 161	—
	Other	—	UL294, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, RoHS

Architectural architectural specifications

General specifications - applies to mechanical, wired electrified & NDE wireless electronic

- Provide Schlage ND Series cylindrical locks conforming to the following standards and requirements:
 - ANSI/BHMA A156.2 Series 4000, Grade 1
 - UL10C for 4'0" x 10'0" 3-hour fire door
 - Florida Building Code (ASTM E330, E1886, E1996) and Miami Dade (TAS 201, 202, 203) requirements for hurricanes
- Provide cylindrical locks **exceeding** the ANSI/BHMA A156.2 Grade 1 performance standards for strength, security and durability in the categories below:
 - Abusive locked lever torque** – minimum 3,100 inch-pounds without gaining access
 - Offset lever pull** – minimum 1,600 foot pounds without gaining access
 - Vertical lever impact** – minimum 100 impacts without gaining access
 - Cycle life** – minimum 16 million cycles
 - With no visible lever sag
 - Without the use of performance aids (i.e. – set screws, spacers, etc.)
- Provide locksets with **solid cast levers** and **wrought roses** on both sides. (**ND mechanical, ND wired electrified**)
 - Lever design: Rhodes, Athens, Sparta, Tubular, Omega, Latitude, Longitude, Boardwalk or Boardwalk
 - Rose design: Rhodes (used with Rhodes, Athens, Sparta, Tubular, Latitude, Longitude, Boardwalk or Boardwalk levers) or Omega (used with Omega lever)
 - OPTION (where required by Authority Having Jurisdiction)** - Provide tactile warning on levers on exterior (secure side) of doors serving rooms or areas considered to be hazardous.
 - OPTION** - Provide break away Rhodes levers for an additional level of security
- Provide locksets with **solid cast levers** and **cast escutcheons** on both sides (**NDE wireless electrified**)
 - Lever design: Rhodes, Athens, Sparta, Latitude, Longitude, Boardwalk or Boardwalk
 - OPTION (where required by Authority Having Jurisdiction)** - Provide tactile warning on levers on exterior (secure side) of doors serving rooms or areas considered to be hazardous.
 - OPTION** - Provide break away Rhodes levers for an additional level of security
- Provide locksets with **solid steel anti-rotation** through bolts and posts to control excessive lever rotation
- Provide **independently operating levers** with two external return spring cassettes mounted under roses to prevent lever sag.
- OPTION/Standard NDE wireless electrified** – Provide Vandgard/Free-Wheeling levers with vandal resistant technology for use at heavy traffic or abusive applications.
- OPTION** - Provide cylindrical locks with an inside indicator feature on a 626 finish for the Rhodes and Omega roses that provides clear direction for users to safely and quickly secure the room
 - ND75 and ND95 – Standard**
 - ND60 and ND93 – OPTION**
- Provide locks with **standard latches** featuring a 2 3/4" (70 mm) backset and a 1/2" latch throw capable of UL listing of 3 hours on a 4.0 x 10.0 opening. Provide proper latch throw for UL

listing at pairs.

- Provide standard **ASA strikes** unless extended lip strikes are required to protect trim.
- OPTION ND mechanical** – Provide reconfigurable lockset chassis that allows lock function to be changed to over twenty other common functions by swapping easily accessible parts

Add for ND wired electrified

- Provide wired electrified options as scheduled in the hardware sets.
 - 12 through 24V DC operating capability, autodetecting
 - Selectable EL (Fail Safe)/EU (Fail Secure) operating mode via switch on chassis
 - 0.230A (230mA) maximum current draw
 - 0.010A (10mA) holding current
 - Modular / "plug in" Request to Exit switch

Add for NDE wireless electronic

- Provide lockset with additional standard compliance:
 - Listed, UL 294 - standard of Safety for Access Control System Units
 - Compliant with ANSI/BHMA A156.25 Grade 1 Operation and Security
 - Certified to FCC Part 15
- Provide credential reader module in the following configuration, as indicated in the door hardware sets. Multi-technology contactless reader shall be NFC-Compatible, including NFC Peer to Peer compatibility, and read access control data from both 125 kHz and 13.56MHz contactless smart cards.
- Provide lockset with the following switches/monitors standard:
 - Door Position Sensor (DPS)
 - Interior cover tamper guard
 - Request to Exit (RX) switch
- Provide locksets with the following features
 - Ability to communicate unit's communication status
 - Visual tri-colored LED indicator that indicates activation, operational systems status, system error conditions and low power conditions
 - Audible feedback that can be enabled or disabled
 - Tamper resistant torx screw on inside escutcheon
- Provide lockset with open architecture characteristics capable of handling new and existing access control software and credential reading technology
- Provide lockset powered by four AA batteries
 - Provide locksets able to communicate battery status and battery voltage level by means of application on mobile device at the door or remotely via integrated software

1 Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC and SFIC). Performance with non-Schlage cylinders will exceed BHMA Grade 1 requirements but may be less than the performance of products with Schlage cylinders.

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries.

For more, visit www.allegion.com

KRYPTONITE ■ LCN ■  ■ STEELCRAFT ■ VON DUPRIN



B500 Series

The B500 Series deadbolt is a revolutionary new deadbolt that delivers higher security, tougher performance and the ultimate in installation versatility.

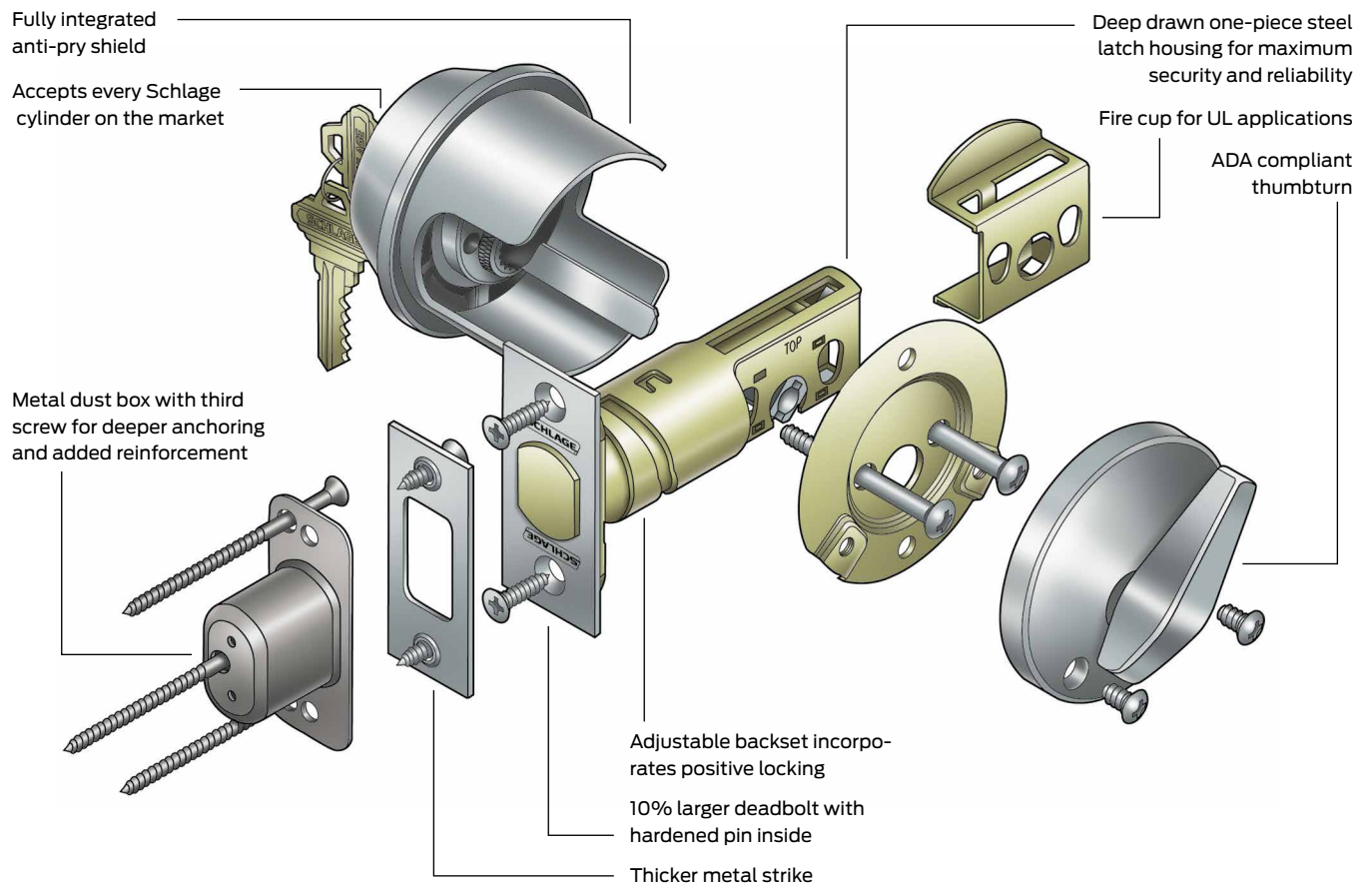
Designed by locksmiths for locksmiths, the B500 Series deadbolt can be fitted with any Schlage cylinder, fits virtually every door you service, enhances lock strength on the jamb side of the door and will change forever the way you look at deadbolts.

Pictured here: B500 (Grade 2) deadbolt with ND Series Athens lever shown in 626 satin chrome



The best deadbolt ever designed by locksmiths

- Adjustable backset with lock-in-place helix design
- Integrated anti-pry shield protects latch
- Thicker metal security strike back-up on jamb side
- Security strike on jamb has third screw for stronger, deeper anchoring
- Added space inside strike box for true deadlatch
- Seamless steel construction from beginning of latch to back of bolt
- 10% larger diameter deadbolt
- Zinc bolt with spinning hardened steel pin inside
- Tapered front housing that can't be unscrewed
- Integrated trim piece for fewer pieces out of the box
- Large, easy-to-use, ADA compliant thumbturn



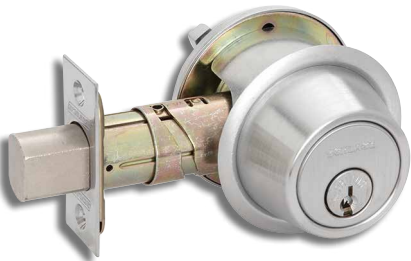
Deadbolt designs

B500 Series

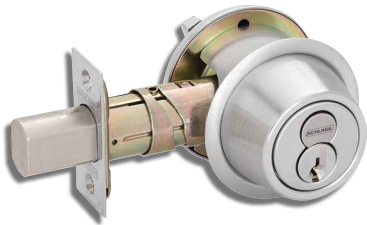
A versatile and economical Grade 2 deadbolt for medium duty commercial and heavy duty residential applications. Furnished with conventional cylinder standard.

Available with Primus XP high security cylinder, Primus XP UL437 Listed high security cylinder, full size interchangeable core cylinder, Primus XP interchangeable core cylinder, or small format interchangeable core (SFIC) cylinder.

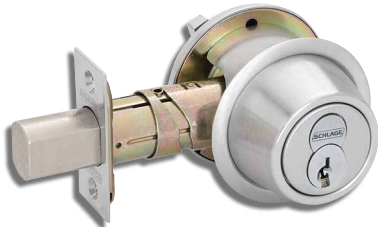
Fits 2 1/8" (54 mm) prep standard and anti-pry shield can be removed to fit 1 1/2" (38 mm) prep.



Design shown in 626 satin chrome plated



Full size interchangeable core



Small format interchangeable core

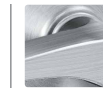
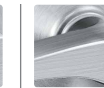


Thumbturn for B500



B500 Series with occupied indicator (B571)

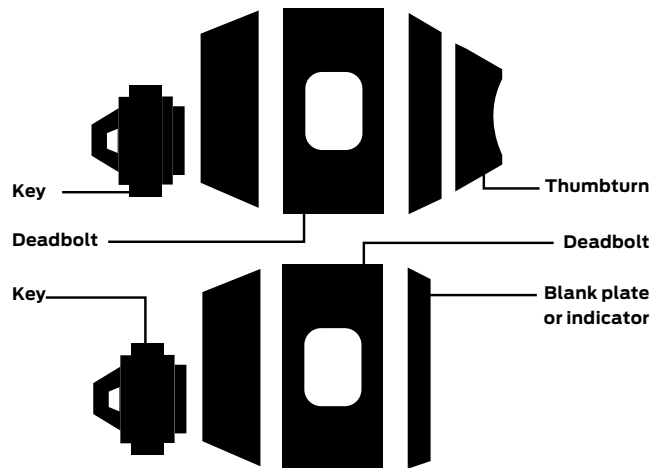
Deadbolt finishes

										
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	619 Satin nickel	625 Bright chromium plated	626 Satin chromium plated	626AM Antimicrobial coating	643e Aged bronze
Product										
B500	•	•	•	•	•	•	•	•	•	•

e = an equivalent finish to the BHMA standard.

Deadbolt functions

ANSI A156.5 bored deadbolt locks



-  Standard cylinder.
-  FSIC - full size interchangeable core option.
-  SFIC - small format interchangeable core option.
-  Complies with ADA Accessibility Guidelines.

*Caution:

Double cylinder locks on any door are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

ADA compliant:

Schlage Lock Company offers a wide selection of locks designed to meet the Americans with Disabilities Act.

Schlage B560P ANSI E0152 Single cylinder deadbolt • Deadbolt thrown or retracted by key outside or thumbturn inside. Outside Inside     	Schlage B561 ANSI E0162 Cylinder only x blank plate deadbolt • Deadbolt thrown or retracted by key outside. • Blank plate with exposed screws inside. Outside Inside    	Schlage B562P* ANSI E0142 Double cylinder deadbolt • Deadbolt thrown or retracted by key either side. Outside Inside    	Schlage B563 ANSI E0172 Classroom deadbolt • Deadbolt thrown or retracted by key outside. • Inside units retracts bolt only. Outside Inside     
Schlage B571 ANSI - Door bolt occupancy indicator • Deadbolt thrown or retracted by thumbturn inside • Outside indicator displays "In use" or "Vacant" • Requires 1 1/2" cross bore prep • Not UL rated Outside Inside  	Schlage B580 ANSI E0192 Door bolt • Deadbolt thrown or retracted by trim unit only. • Requires 1 1/2" cross bore prep Outside Inside  	Schlage B581 ANSI E01112 Door bolt with trim • Deadbolt thrown or retracted by trim unit only. • Blank plate outside. • Requires 1 1/2" cross bore prep Outside Inside  	

22-F Rim fire exit device



22-F Rim fire exit devices for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438 mm x 2438 mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 4³/₈" (111 mm). The device is non-handed.

Finishes – SP28 & SP313.



The 299F Strike ships standard, optional strikes available



499F Strike with 9854/9954 Mullion

Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) Push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & Sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors Optional SNB available for device (see next page for quantities)
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	GBK glass bead kit AX accessible device
Dogging feature	No mechanical dogging
Strikes	299F, 499F for mullions – Dull black

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX

Pushpad monitor switch

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

RX2

Double pushpad monitor switch

- Uses two RX switches

ALK

Alarm exit kit

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

CON

Allegion Connectors

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

LX

Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299F/499F	Yes	—	26.500" (673 mm)	33.250" (845 mm)
1/2"	299F/499F	—	KR/9854/9954	27.000" (686 mm)	33.750" (857 mm)
5/8"	299F/499F	Yes	—	26.750" (679 mm)	33.500" (851mm)
5/8"	299F/499F	—	KR/9854/9954	27.125" (689 mm)	33.875" (860 mm)

*For 4' device, add 6" (152 mm)

Standard trim

	EO	NL	NL-OP
			
	No outside trim Exit only	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	22EO-F	22NL-F	22NL-OP-F
Trim description	—	210NL**	110NL-MD** 110NL-WD**
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	—	—
Optional trim	230EO	230NL	—
*Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	6
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
	Thumbpiece Key Locks & Unlocks	Knob Key Locks & Unlocks	Lever Key Locks & Unlocks
Product description	22TP-F	22K-F	22L-F
Trim description	230TP**	210K	230L**
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x ¹⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
*Optional #425 sex bolt quantity for device	2	2	2
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

22 Optional trim

210 Series trim

The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc $\frac{3}{4}$ " (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

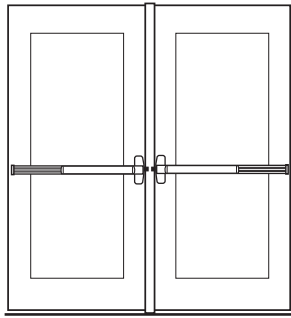
	EO 	DT 	NL 	TP-BE 	L-BE 	K-BE 
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 6 $\frac{3}{8}$ " x $\frac{15}{16}$ " (76 x 162 x 24 mm)	3" x 4 $\frac{25}{32}$ " x $\frac{3}{32}$ " (76 x 121 x 2 mm)
Pull center to center	—	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 $\frac{5}{8}$ " (67 mm)	2 $\frac{15}{16}$ " (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

*Sex Bolts are required for wood fire doors

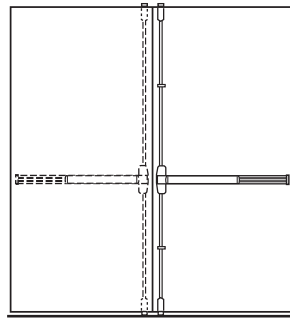
**ANSI/BHMA A156.3 (2008) Grade 1 Trim

Popular double door applications

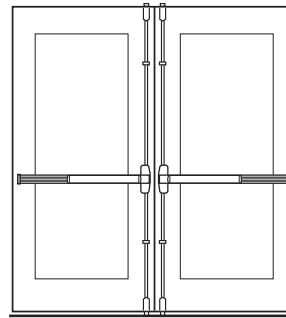
Double door applications



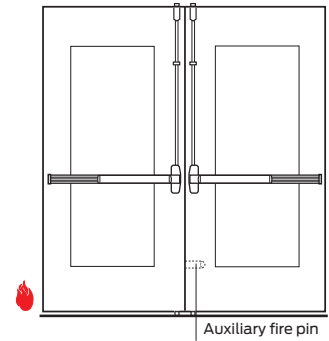
Two rim devices with mullion—same direction, panic or fire device



Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)

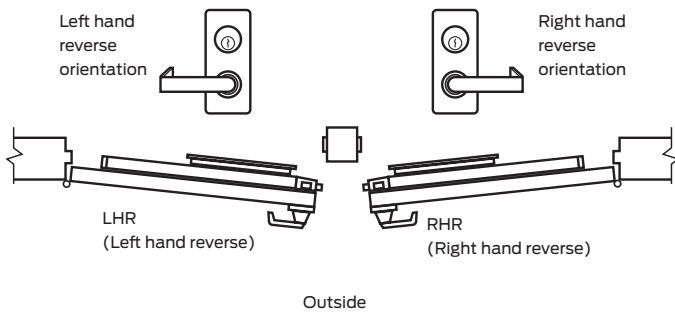


Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two FEH vertical rods with auxiliary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)

Door handing



Outside trim operation

Standard trim

Features

- Bi directional lever rotation
- Field reversible handing



Standard operation
Key locks and unlocks lever.



Blank escutcheon
Lever always active. BE suffix, e.g., 230L-BE.

Lever styles

Standard levers



03
Knurling available



06
Default lever
Knurling available



17
Knurling available

22 Strike/Stile information

Strikes for rim devices

264 Projection $\frac{9}{16}$" (14 mm)	299 Projection $\frac{13}{16}$" (21 mm)	299F Projection $\frac{13}{16}$" (21 mm)	499F Projection $\frac{15}{16}$" (24 mm)
1408 Used with 5754 Mullion One per pair of doors	1410—Integral Stop Projection $\frac{1}{2}$" (13 mm)	1439—Blade Stop*** Projection $\frac{1}{2}$" (13 mm)	1606 Projection $\frac{3}{8}$" (10 mm)
1609** (Not fire rated; requires coordinates)			

Strikes for vertical rod devices

248L-4 Projection $\frac{3}{8}$" (10 mm)	260U—Flush transom only Projection $\frac{3}{8}$" (10 mm)	304L Mortise $\frac{13}{16}$" (21 mm)	385A Mortise $2 \frac{1}{12}$" (64 mm)
--	---	---	--

Strikes 264, 299, 299F and 499F also available for vertical rod devices.

Device type	Standard single door		Standard double door		OPTIONAL single door		OPTIONAL double door	
	Strike	Stile	Application*	Stile	Strike	Stile	Application*	Stile
22	299	$4 \frac{3}{4}$ " (121 mm)	299 x 4954	$4 \frac{3}{4}$ " (121 mm)	1439	$3 \frac{3}{16}$ " (97 mm)	299 w/5654	$4 \frac{1}{4}$ " (108 mm)
					1410	$3 \frac{3}{16}$ " (97 mm)	1408 w/5754	$3 \frac{3}{16}$ " (97 mm)
					1606	$3 \frac{15}{16}$ " (100 mm)	1606 w/1654	$4 \frac{1}{4}$ " (108 mm)
					—	—	1609 w/vertical rod**	$43 \frac{3}{8}$ " (111 mm)
22-F	299F	$4 \frac{3}{8}$ " (111 mm)	499F x 9954	$4 \frac{7}{8}$ " (124 mm)	—	—	—	—
2227 Latch Retraction	299 (Top) 299 (Middle) 304L/284-L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U Top 385A Bottom	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)
2227 Pullman Latch	299 (Top) 284-L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U Top	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)
2227-F	299 (Top) 304L (Bottom)	$3 \frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3 \frac{5}{8}$ " (92 mm)	260U-SS	4"	4"	4"

*Mullion information, refer to General and Auxiliary Catalog.

**Not for UL Fire exit hardware. Must be used with a coordinator.

***Replaces 1409 Strike

Note: On a Rim/Vertical rod application for a pair of doors, the 1609 strike extends off the edge of the door into the opening.

UL Listings, grade, type, function options & dimensions

UL Listed — Fire exit hardware label/opening size

Exit device	Door material	Single door		Double door					
				With mullion		Same direction**		Double egress	
22-F	HM	3 Hour	4' x 8'	3 Hour	8' x 8'	—	—	—	—
22-F	WD	90 Minute	4' x 8'	90 Minute	8' x 8'	—	—	—	—
2227-F	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F	WD	—	—	—	—	90 Minute*	8' x 9'	—	—
2227-F-LBR	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F-LBR	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F-LBR	WD	—	—	—	—	90 Minute*	8' x 9'	—	—

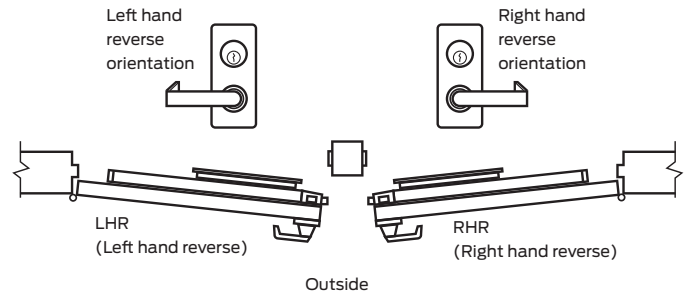
ANSI Function, grade & type

*UL listing for wood doors may be for a specific door manufacturer. Consult wood door manufacturers for current UL listings.

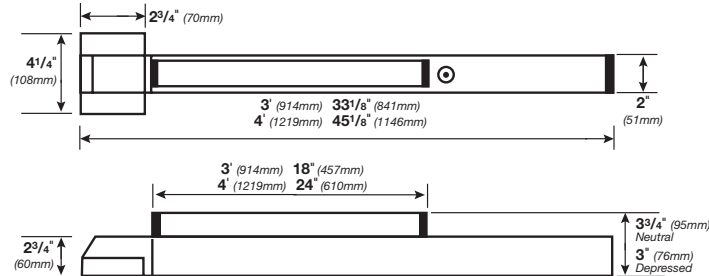
**Currently, no door manufacturers offer a listing over 90 minutes with doors swinging same direction.

Function	Grade 1 type 1	Grade 1 type 2
01	22EO & 22EOF	2227EO & 2227EO-F
02	22DT	2227DT
03	22NL & 22NL-F	2227NL & 2227NL-F
05	22TP & 22TP-F	2227TP & 2227TP-F
08	22K & 22K-F	2227K & 2227K-F
08	22L & 22L-F	2227L & 2227L-F

Door handing

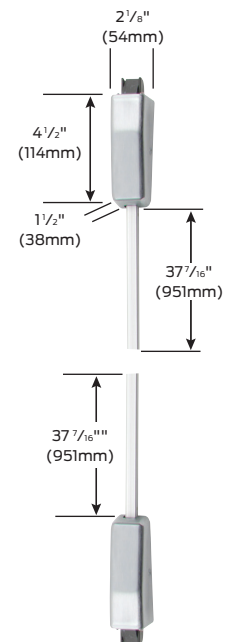


Dimensions



Vertical rod dimensions

Vertical rods are 1/2" (13 mm) square tubing



Finishes

Finishes*

	Color	US Number	BHMA Number
	Sprayed aluminum	SP28	689
	Sprayed dark bronze	SP313	695

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

Standard trim

	EO No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	22EO	22DT	22NL	22NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2001) Grade 1 trim

	TP  Thumbpiece Key Locks & Unlocks	K  Knob Key Locks & Unlocks	L  Lever Key Locks & Unlocks 
Product description	22TP	22K	22L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

22 Optional trim

210 Series trim

The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc $\frac{3}{4}$ " (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

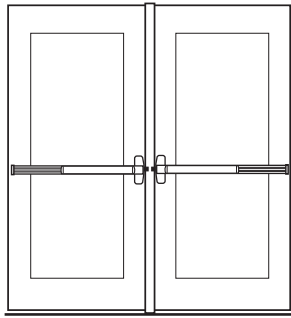
	EO 	DT 	NL 	TP-BE 	L-BE 	K-BE 
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 6 $\frac{3}{8}$ " x $\frac{15}{16}$ " (76 x 162 x 24 mm)	3" x 4 $\frac{25}{32}$ " x $\frac{3}{32}$ " (76 x 121 x 2 mm)
Pull center to center	—	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 $\frac{5}{8}$ " (67 mm)	2 $\frac{15}{16}$ " (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

*Sex Bolts are required for wood fire doors

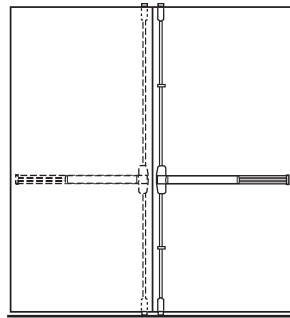
**ANSI/BHMA A156.3 (2008) Grade 1 Trim

Popular double door applications

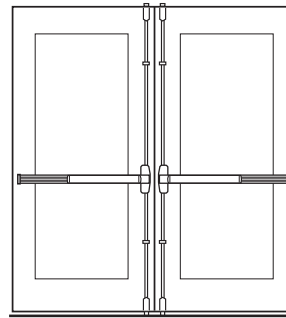
Double door applications



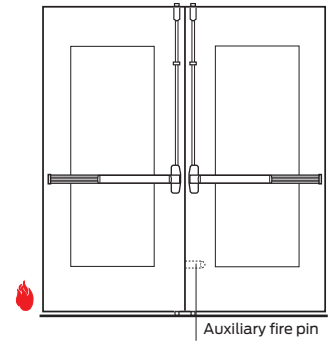
Two rim devices with mullion—same direction, panic or fire device



Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)

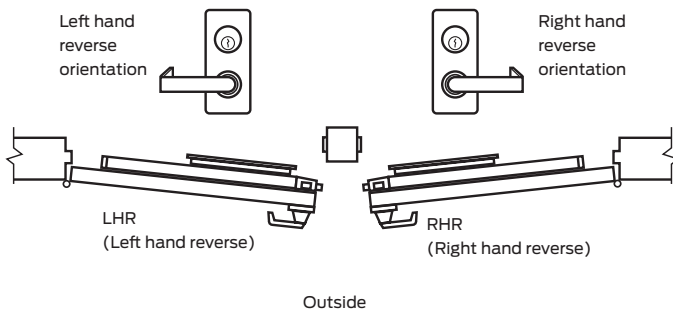


Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two FEH vertical rods with auxiliary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)

Door handing



Outside trim operation

Standard trim

Features

- Bi directional lever rotation
- Field reversible handing



Standard operation
Key locks and unlocks lever.



Blank escutcheon
Lever always active. BE suffix, e.g., 230L-BE.

Lever styles

Standard levers



03
Knurling available



06
Default lever
Knurling available



17
Knurling available

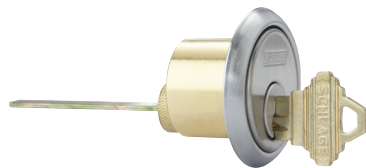
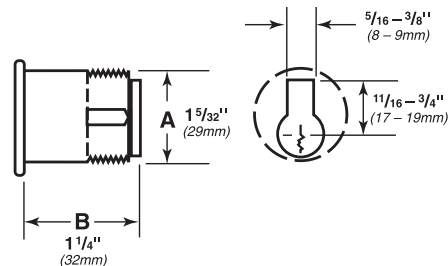
Cylinders

Cylinders

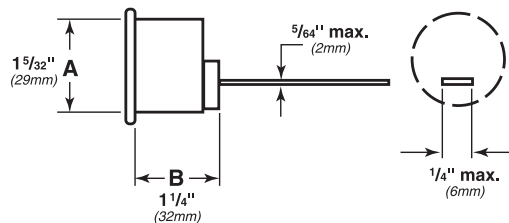
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to exit device catalogs for cylinder requirements.



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



Rim — 3216 (Schlage 20-022 cam)



3218 Dummy



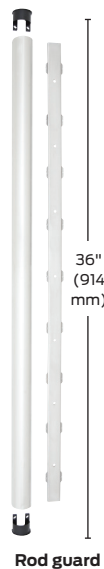
Glass bead kit — GBK

Glass bead conversion kits are used on doors with glass beads. Each kit consists of 1 1/4" (6mm) shim sets. GBK for Surface Vertical Rod ships with 1 1/8" (3mm) shims for rod guides. Shims are not required for top and bottom latches

To order, specify:

1. Device Model. Example: 99GBK
2. Device type (rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical rod
4. Specify if using with 499F Strike
5. Finish

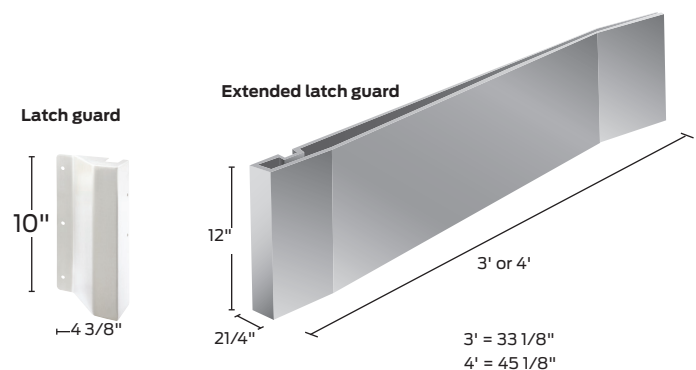
RG-27 Vertical rod and latch guard



RG-27 Series 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' (914 mm) Rod guard and extended latch guard
- RG-27-4** 4' (1219 mm) Rod guard and extended latch guard
- LGO** Latch guard only
- LGO-3** 3' (914 mm) Extended latch guard only
- LGO-4** 4' (1219 mm) Extended latch guard only

Note: Not for use on wood fire doors, except with SLM (special laminate material) blocking.

To order, specify:

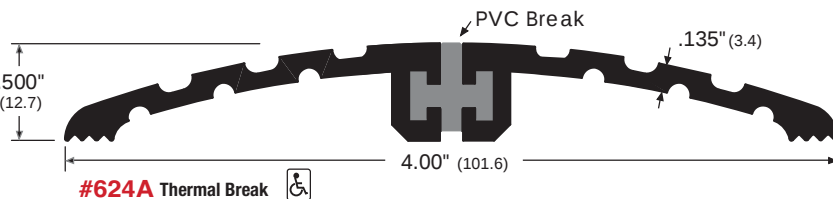
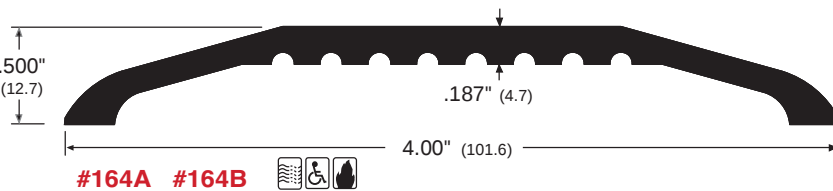
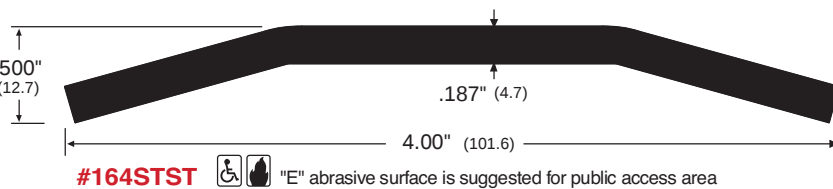
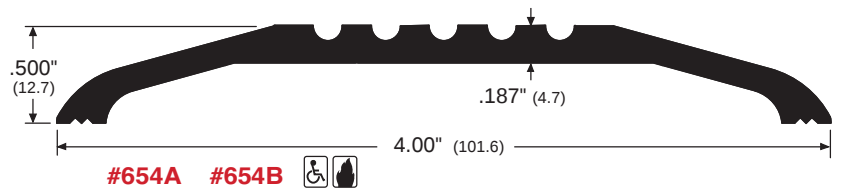
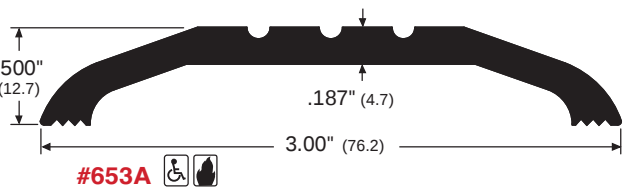
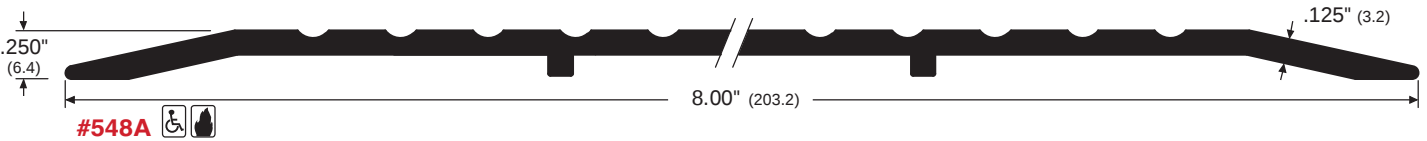
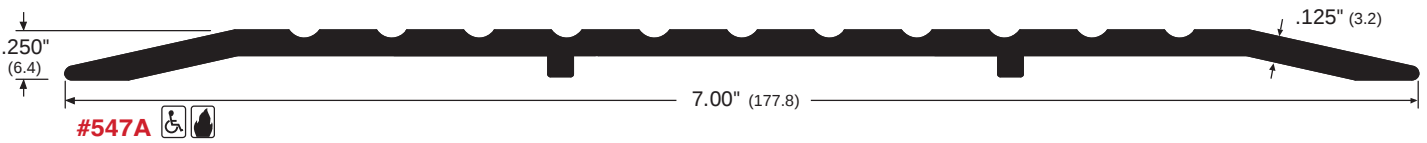
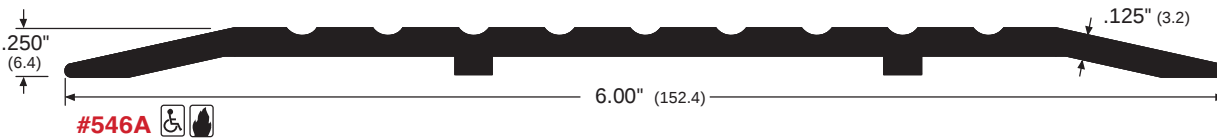
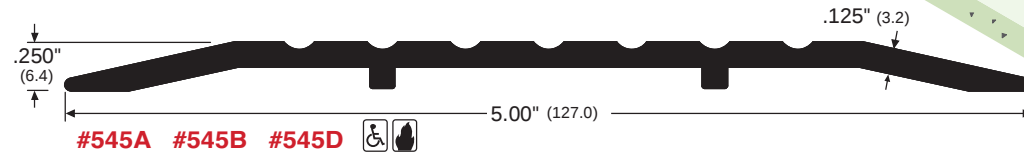
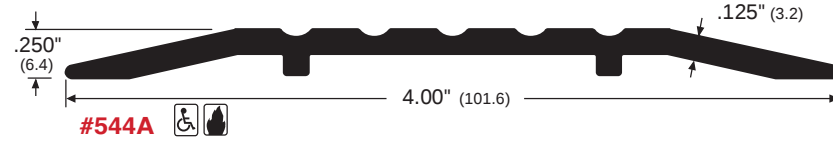
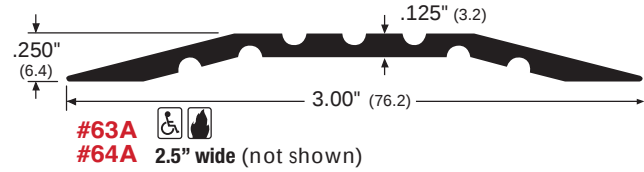
1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow Metal.
4. Optional sex bolt mounting available.

Utility Thresholds

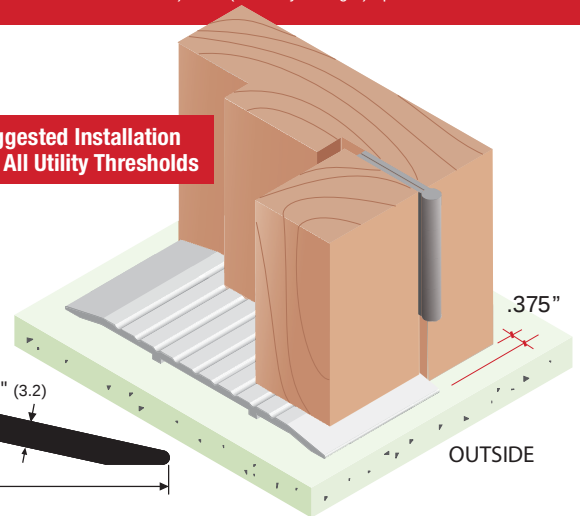


Note: A = Aluminum B = Bronze
D = Dark Bronze Anodized STST = Stainless Steel
Thresholds can be ordered with E (Epoxy Abrasive), EL (Epoxy Abrasive Photoluminescent) or V3 (Full Body Strength) options.

Thresholds



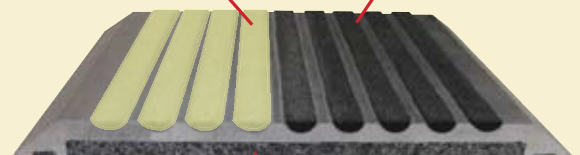
Suggested Installation
For All Utility Thresholds



OPTIONS:

■ **Non-Slip Epoxy Abrasive.** Thresholds can be ordered with non-slip epoxy abrasive particles bonded into the grooves. The tread provides a coefficient of friction of 1.02 dry and 0.98 wet to comply with ADA, OSHA and most local building code requirements. To order, add -E or -EL after the item number. Example : #657A-E or #657A-EL

EL - Epoxy Abrasive Photoluminescent **E - Epoxy Abrasive**



V3 - Full Body Strength

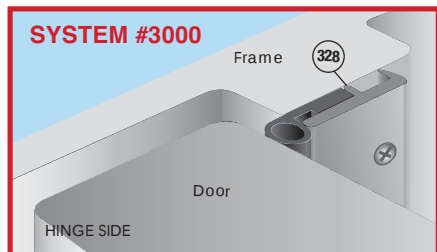
■ **Full Body Strength.** An aluminum composite filler containing aluminum oxide and silicone carbide. Ideal applications include heavy commercial traffic in supply rooms, manufacturing buildings, schools, cafeterias, automobile dealers, hospitals, industrial facilities. To order, add -V3 after the item number. Example: #657A-V3

Head and Jamb Protection

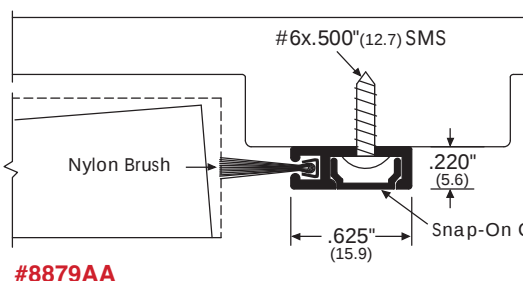
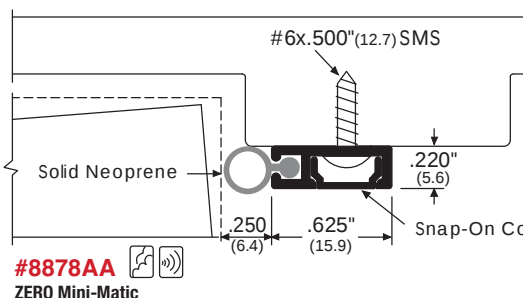
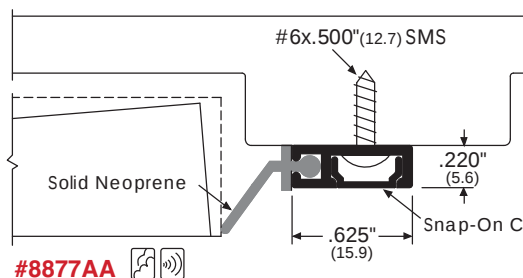
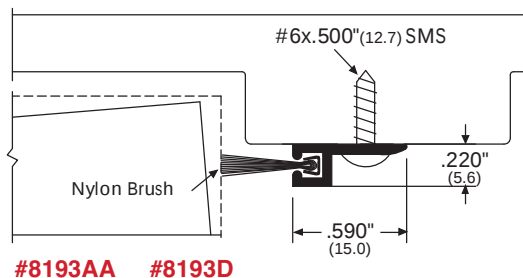
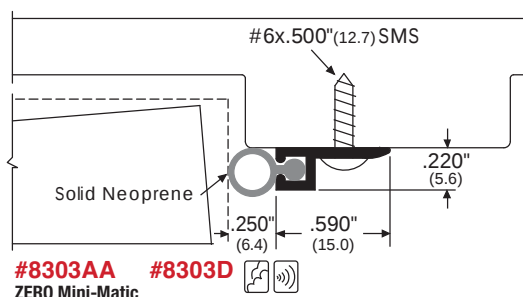
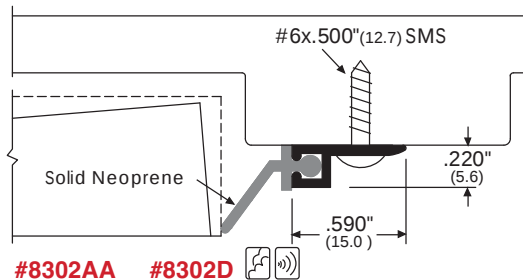
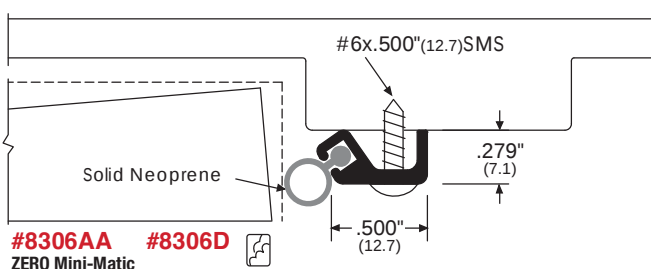
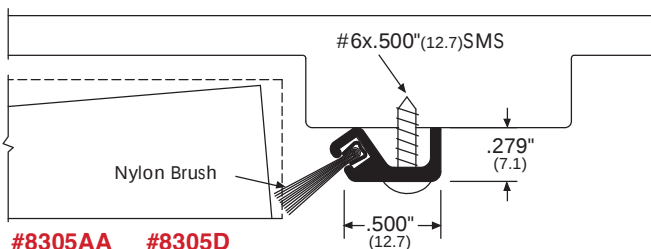
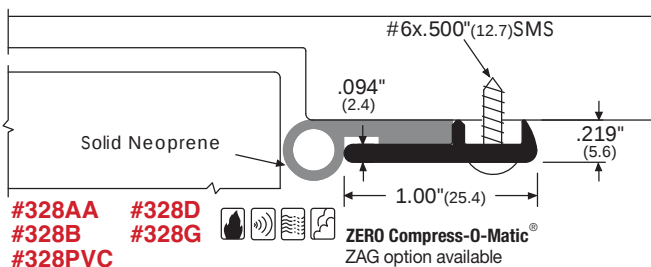
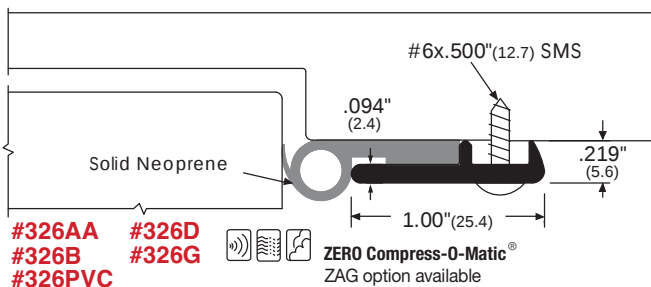


Note: A = Aluminum
B = Bronze
G = Gold Anodized
ZAG = Ligature-Resistant gasketing

AA = Clear Anodized
D = Dark Bronze Anodized
PVC = Polyvinyl, clear

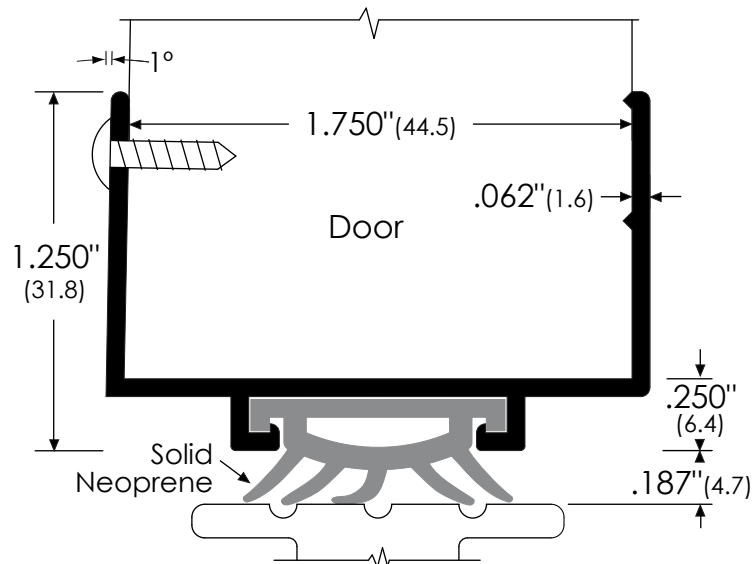


System #3000 consists of:
#328 (hinge side)
#326 (head & lock sides)





The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives

**Legend:**

A = Aluminum

ANSI/BHMA

#111A

R3B414



415 Concord Avenue
Bronx, NY 10455

tel: 718.585.3230
fax: 718.292.2243

email: zero@zerointernational.com
web site: www.zerointernational.com

Part No:

111

Notes:**Part Description:**

Door Sweep

- Aluminum Shoe
with Neoprene

Provided By:**Customer Name:****Job No:****Date:**