

# **VENETIA VALLEY MIDDLE SCHOOL RESTROOM ADDITION**

177 North San Pedro Road  
San Rafael, CA 94903

## **DOOR HARDWARE SCHEDULE**

ARCHITECT

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**SVA Project Number:**

2022-40125

**FEBRUARY 24, 2023**

## **Catalog Cuts**

For

**Venetia Valley MS Restroom Addition**

**Sorted By DHI Sequence**

**Prepared By**

**Dianne Mancuso**

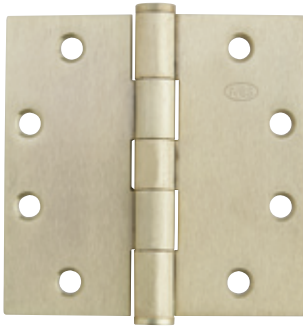
**Created On 10/11/2022**

Generated By



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SCH	ND96P6D RHO	VANDL STOREROOM LOCK		29
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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



## Grade 1, mortise locks

# L Series

### Overview

The Schlage® L Series has long been the benchmark for Grade 1 mortise locks. Beyond strength and security – it offers flexibility to meet most needs. Fifty mechanical functions include ten that can be field configured from one universal lock case and ten electrified functions are regularly used as part of electronic access control systems. L Series locks have the ability to suite across electronic, tubular, exit trim, and multi-point locks to integrate seamlessly into any environment. The series features an array of security options including 180-degree visibility status indicators and support for multiple keyway families and cylinder types including Primus® XP high-security cylinders.



### Finishes



**605**  
Bright Brass



**606**  
Satin Brass



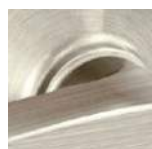
**609**  
Antique Brass



**612<sup>1</sup>**  
Satin Bronze



**613<sup>1</sup>**  
Oil Rubbed  
Bronze



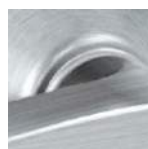
**619**  
Satin Nickel



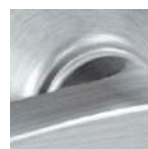
**622**  
Matte Black



**625**  
Bright Chrome



**626**  
Satin Chrome



**626AM**  
Satin Chrome,  
Antimicrobial



**629<sup>2</sup>**  
Bright Stainless



**630<sup>2</sup>**  
Satin Stainless



**630AM<sup>2</sup>**  
Satin Stainless,  
Antimicrobial



**643e**  
Aged Bronze

<sup>1</sup> Available on standard levers only, not available on Latitude, Longitude, Accent, Asti, or Merano

<sup>2</sup> Not available on Accent, Asti, or Merano



Grade 1, mortise locks

L Series

M Collection decorative lever styles<sup>1</sup>



**M51**  
851 - Knurled tactile warning



**M52**  
852 - Knurled tactile warning



**M53**



**M54**



**M55**



**M56**



**M57<sup>2</sup>**



**M61**  
■ Handed



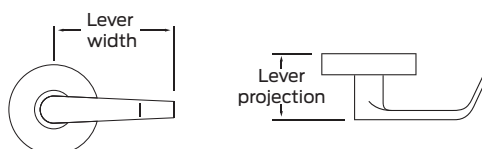
**M62<sup>2</sup>**  
■ Handed



**M63**  
■ Handed

**Dimensions**

Lever	Width	Projection
M51	4.5"	3.2"
M52	4.5"	3"
M53	4.35"	3.2"
M54	4.35"	2.75"
M55	4.3"	3"
M56	4.6"	3"
M57	4.5"	2.9"
M61	4.5"	3.2"
M62	4.5"	2.7"
M63	4.5"	3.2"



<sup>1</sup> M Collection not available in 612 and 613 finishes.

<sup>2</sup> Available in 629, 630, and 630AM only.



Grade 1, mortise locks

L Series

### M Collection decorative lever styles<sup>1</sup>



**M81**  
881 - Knurled tactile warning



**M82**



**M83**



**M84**



**M85**  
■ Handed



**ME1**  
8ME1 - Milled tactile warning  
■ Handed



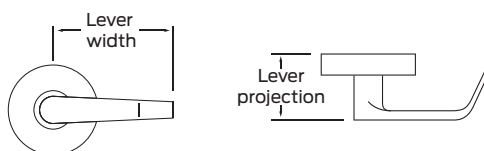
**ME2**  
8ME2 - Milled tactile warning  
■ Handed



**ME3**  
8ME3 - Milled tactile warning

### Dimensions

Lever	Width	Projection
M81	4.8"	2.9"
M82	4.8"	2.9"
M83	4.6"	2.9"
M84	5.1"	3"
M85	4.9"	3.3"
ME1	5.5"	3"
ME2	5.2"	2.8"
ME3	5.1"	3.2"



Return to door meets 1/2" requirement for all levers shown on this page.

ME1, ME2 and ME3 ergonomic levers designed with Gensler as product design consultant.



Grade 1, mortise locks

L Series

## Standard lever and knob styles



**01**  
801 - Milled tactile warning



**02**  
802 - Knurled tactile warning



**03**  
803 - Knurled tactile warning



**05**  
805 - Milled tactile warning



**06**  
806 - Milled tactile warning



**07**  
807 - Milled tactile warning



**12**  
812 - Milled tactile warning  
■ Handed



**17**  
817 - Milled tactile warning



**18**  
818 - Milled tactile warning

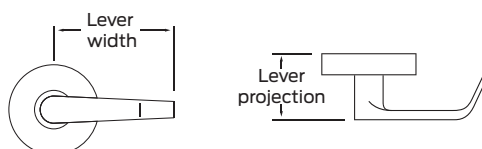


**Accent (ACC)<sup>1</sup>**  
■ Handed

### Dimensions

Lever	Width	Projection
01	3.875"	2.688"
02	4.75"	2.813"
03	4.75"	2.813"
05	3.75"	2.875"
06	4.625"	2.5"
07	4.625"	2.875"
12	4.625"	3.063"
17	4.75"	3"
18	4.875"	2.688"
Accent (ACC)	4.125"	3.125"

Return to door meets 1/2" requirement for 03, 06 and 17 levers.



<sup>1</sup> Not available in 612, 613, 629, or 630 finishes.





Grade 1, mortise locks

L Series

## Standard lever and knob styles



**Asti (AST)<sup>1</sup>**

■ Handed



**Latitude (LAT)<sup>2</sup>**



**Longitude (LON)<sup>2</sup>**



**Merano (MER)<sup>1</sup>**

■ Handed



**Omega (OME)**



**41**

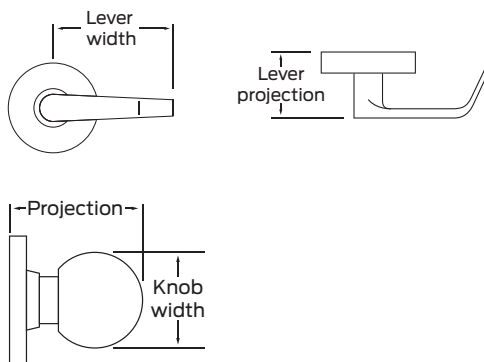


**42**

## Dimensions

Lever	Width	Projection
Asti (AST)	4"	2.625"
Latitude (LAT)	4.75"	2.563"
Longitude (LON)	4.875"	2.563"
Merano (MER)	4"	3.125"
Omega (OME)	5.063"	3.313"
41	2.211"	2.34"
42	2.132"	2.538"

Return to door meets 1/2" requirement for Longitude and Omega levers.



<sup>1</sup> Not available in 612, 613, 629, or 630 finishes.

<sup>2</sup> Not available in 612 or 613 finishes.

## Escutcheons



### L full face

Specify by adding 'L' after lever design.



### L concealed

Specify by adding 'C' suffix to function and by adding 'L' after lever design.



### N full face

Specify by adding 'N' after lever design.

## Roses



### A rose

Available for use on L Series knob and lever designs. Specify by adding 'A' after lever design.

**Finishes:** available in all L Series finishes.



### B rose

Available for use on L Series knob and lever designs. Specify by adding 'B' after lever design.

**Finishes:** available in all L Series finishes.



### C rose

Available for use on L Series knob and lever designs. Specify by adding 'C' after lever design.

**Finishes:** 605, 606, 609, 619, 622, 625, 626, 629, 630, 643e



### AVA rose

Available for use on ACC lever, other levers upon request.

**Finishes:** 605, 606, 609, 619, 622, 625, 626, 643e



### MER rose

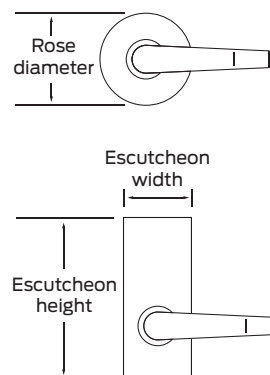
Available for use on MER lever, other levers upon request.

**Finishes:** 605, 606, 609, 619, 622, 625, 626, 643e

## Dimensions

Rose	Diameter
A	2.125"
B	2.5625"
C	2.625"
AVA	2.625"
MER	2.625"

Escutcheon	Width	Height
L full face	1.75"	8"
L concealed	1.75"	8"
N full face	2.5"	7.875"



### Thumbturns



**Standard turn**  
09-509



**ADA turn**  
09-509 x L583-363  
Not available with L9463  
and L463

### Indicators



**Cylinder**



**Thumbturn**



**Cointurn**



**Emergency key indicator**



**Cylinder**



**Thumbturn**



**Cointurn**



**Emergency key indicator**

	Locked Unlocked	Occupied Unoccupied	Do Not Disturb	
Inside trim	L283-711	L283-712	L283-713	L283-714
Outside trim	L283-721	L283-722	L283-723	L283-724



## Ligature resistant solutions



SL1 <sup>1,2</sup>



SK1 <sup>1,2</sup>



HSLR <sup>2,3</sup>

■ Handed

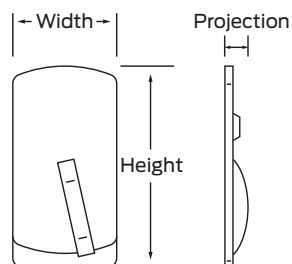
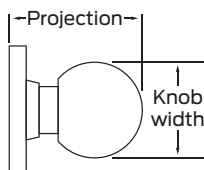
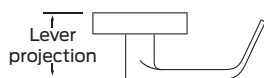
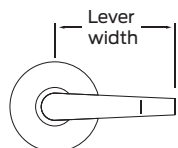
## Specifications and certifications

	SL1	SK1	HSLR
Accepted by OHM	■	■	■
ADA compliant	■	-	■
Suitable for:			
High risk areas	-	■	■
Medium risk areas	■	■	■
Low risk areas	■	■	■

Caution: Cone shaped door knobs and thumbturns do not compliant with ADA requirements for graspability.

## Dimensions

	Width	Height	Projection
SL1	4.5"		3.13"
SK1	3.125"		2.3125"
HSLR	6"	13.17"	2.27"



<sup>1</sup> Only available in 630 and 630AM finishes.

<sup>2</sup> Not available with Vandlgard option.

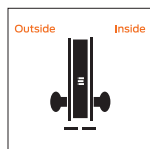
<sup>3</sup> Only available in 630 finish.



Vandlgard® protection available on functions noted with an “LV” option.

Vandlgard allows the outside lever to rotate freely down when locked to limit the ability of vandals to apply excessive force to the chassis helping to prevent damage to internal components.

### Non-keyed functions

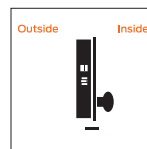


**Schlage L9010**  
**ANSI F01**  
**Passage latch**

- Latchbolt retracted by lever/knob from either side at all times
- Inside lever always free for immediate egress

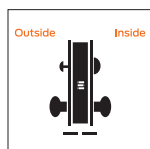


Optional HSLR trim available



**Schlage L9025**  
**ANSI F31**  
**Exit lock**

- No outside trim
- Inside lever always free for immediate egress

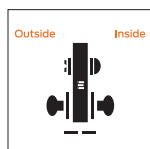


**Schlage L9040**  
**LV9040**  
**ANSI F22**  
**Bath/bedroom privacy lock**

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn
- Actuating inside lever or closing door unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



**Schlage L9044**  
**LV9044**  
**ANSI -**  
**Privacy with coin turn outside**

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn or outside coin turn
- Actuating inside lever, closing door, or rotating outside coin turn unlocks outside lever
- Available in rose trim only



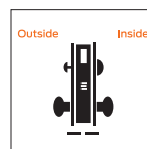
Coin turn for lock with rose trim



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9440**  
**LV9440**  
**ANSI F19**  
**Privacy with deadbolt**

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by inside thumbturn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside lever always free for immediate egress

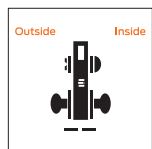


Optional 180 degree messaging indicator available





## Non-keyed functions



Schlage L9444  
LV9444

ANSI -

Privacy with deadbolt and  
coin turn outside

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by inside thumbturn or outside coin turn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- Rotating coin turn retracts deadbolt and unlocks outside lever
- Inside lever always free for immediate egress
- Available with rose trim only



Coin turn for lock with rose trim



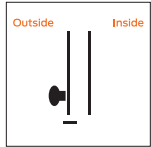
Optional 180 degree messaging  
indicator available



Optional HSLR trim available

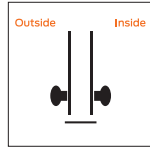


## Non-keyed dummy functions



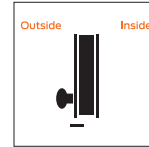
**Schlage L0170**  
**ANSI -**  
**Half dummy trim**

- Fixed lever/knob on one side



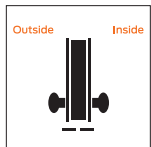
**Schlage L0172**  
**ANSI -**  
**Full dummy trim**

- Fixed lever/knob on both sides



**Schlage L9175**  
**ANSI -**  
**Half dummy trim with lock case**

- Fixed lever/knob on one side
- Includes lock case and blank armor plate



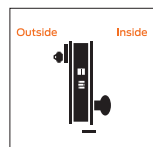
**Schlage L9176**  
**ANSI -**  
**Full dummy trim with lock case**

- Fixed lever/knob on both sides
- Includes lock case and blank armor plate

In a double-door application where the dummy will be used as the strike order 10-091 armored front strike separately.

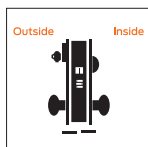


## Single cylinder non-deadbolt functions



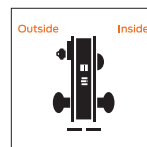
**Schlage L9026**  
**ANSI -**  
**Exit lock with cylinder**

- No outside trim
- Outside cylinder retracts latchbolt
- Inside lever always free for immediate egress
- Auxiliary latch deadlocks latchbolt when door is locked



**Schlage L9050**  
**LV9050**  
**ANSI F04**  
**Office and inner entry lock**

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn
- When outside is locked, latchbolt is retracted by key outside or by knob/lever inside
- Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



**Schlage L9056**  
**LV9056**  
**ANSI -**  
**L9050 with automatic unlocking**

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn
- Outside knob/lever unlocked by key outside, thumbturn or closing door
- Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



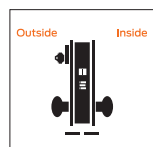
Optional HSLR trim available



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9070**  
**LV9070**  
**ANSI F05**  
**Classroom lock**

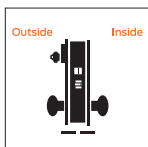
- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- Unlocked from outside by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available

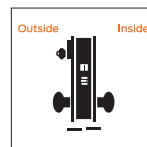


Optional HSLR trim available



**Schlage L9076**  
**LV9076**  
**ANSI F06**  
**Classroom holdback lock**

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- When locked, latchbolt retracted by key or inside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Holdback feature activated by turning inside lever/knob and rotating key 360°
- Inside lever always free for immediate egress



**Schlage L9080**  
**LV9080**  
**ANSI F07**  
**Storeroom lock**

- Latchbolt retracted by lever/knob inside or key outside
- Outside lever/knob is always inoperable
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress

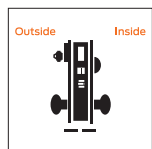


Optional HSLR trim available





## Single cylinder deadbolt functions

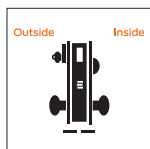


**Schlage L9453**  
**LV9453**  
**ANSI F20**  
**Entrance lock**

- Latchbolt retracted by lever/knob from either side unless outside locked by 20° thumbturn rotation
- Deadbolt actuation through 90° thumbturn rotation
- When locked, outside key or inside lever/knob retracts both deadbolt and latchbolt
- Outside lever/knob locked until thumbturn is restored to vertical position
- Throwing deadbolt locks outside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available

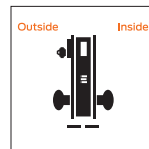


**Schlage L9456**  
**LV9456**  
**ANSI F13**  
**Corridor lock**

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key or thumbturn rotation
- Throwing deadbolt locks outside lever/knob
- Turning inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever/knob
- Inside lever always free for immediate egress



Optional HSLR trim available

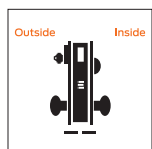


**Schlage L9465**  
**ANSI -**  
**Closet/storeroom lock**

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key



Optional HSLR trim available



**Schlage L9473**  
**ANSI F21**  
**Dormitory/bedroom lock**

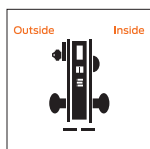
- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by outside key or inside thumbturn



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9480**  
**LV9480**  
**ANSI -**  
**Storeroom lock with deadbolt**

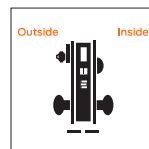
- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by outside key or inside thumbturn
- Inside knob/lever actuation retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9485**  
**LV9485**  
**ANSI -**  
**Faculty/hotel/restroom lock**

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- All keys (except emergency) inoperative when deadbolt is thrown
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



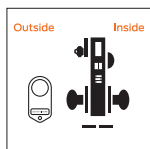
Optional 180 degree messaging indicator available



Optional HSLR trim available



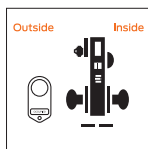
## Single cylinder deadbolt functions



Schlage L9486  
LV9486  
ANSI F15

L/LV9485 with 09-611  
"DO NOT DISTURB"  
indicator for rose trim

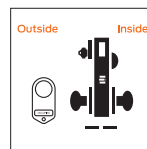
- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "DO NOT DISTURB" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9486xL583-375  
LV9486xL583-375  
ANSI -

L/LV9485 with "OCCUPIED"  
indicator for rose trim

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9496  
ANSI -

Privacy with 09-611  
"OCCUPIED" indicator for  
rose trim

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuation by outside key or inside thumbturn
- Thrown deadbolt displays "OCCUPIED" message and locks outside lever
- Inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



Adds hotel occupancy indicator (09-611)  
for lock with A or B roses on sectional trim.  
Message: "DO NOT DISTURB".



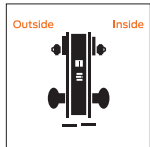
Adds hotel occupancy indicator (09-611)  
for lock with A or B roses on sectional trim.  
Message: "OCCUPIED".



Adds hotel occupancy indicator (09-611)  
for lock with A or B roses on sectional trim.  
Message: "OCCUPIED".



## Double cylinder non-deadbolt functions

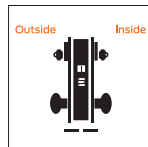


**Schlage L9060**  
**LV9060**  
**ANSI F09**  
**Apartment entrance lock**

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



**Schlage L9071**  
**LV9071**  
**ANSI F32**  
**Classroom security lock**

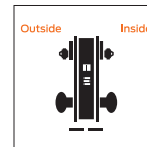
- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by outside key or inside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available

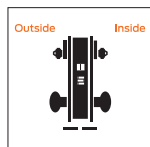


**Schlage L9077**  
**LV9077**  
**ANSI -**  
**Classroom security holdback lock**

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Rotate inside lever/knob and turn key 360° to enable holdback feature
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



**Schlage L9082**  
**LV9082**  
**ANSI F30**  
**Institution lock**

- Latchbolt retracted by key from either side
- Knob/lever on both sides always inoperative
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

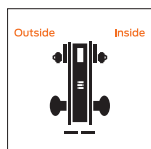


Optional HSLR trim available





## Double cylinder deadbolt functions



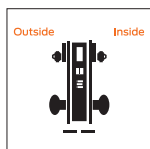
Schlage L9457  
LV9457  
ANSI F33

Classroom security lock  
with deadbolt

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by either key
- Throwing deadbolt locks outside lever/knob
- Actuating inside lever/knob retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



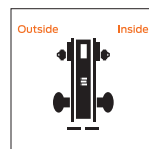
Optional HSLR trim available



Schlage L9458  
LV9458  
ANSI F34

Classroom security lock  
w/deadbolt and auxiliary  
latch

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by either key
- When door is locked outside lever inoperative
- Inside lever retracts deadbolt and latchbolt and unlocks outside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9466  
ANSI F14

Store/utility room lock  
with deadbolt

- Latchbolt retracted by knob/lever from either side
- Deadbolt thrown or retracted by key from either side

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging  
indicator available

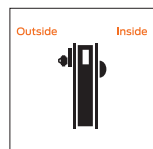


Optional HSLR trim available





## Mortise deadlock functions

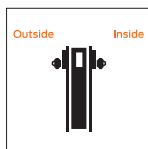


**Schlage L9460**  
**ANSI F17**  
**Cylinder x thumbturn lock**

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging indicator available



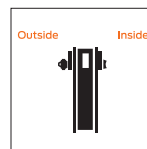
**Schlage L9462**  
**ANSI F16**  
**Double cylinder lock**

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring the use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

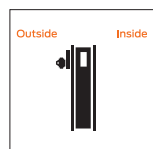


**Schlage L9463**  
**ANSI F29**  
**Classroom lock**

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging indicator available



**Schlage L9464**  
**ANSI F18**  
**Cylinder lock**

- Deadbolt actuated by key
- No trim opposite side

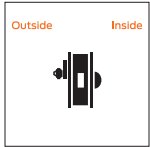


Optional 180 degree messaging indicator available





## Small mortise deadlock functions

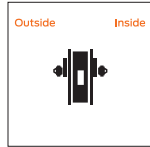


**Schlage L460**  
**ANSI E06071**  
**Cylinder x thumbturn lock**

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging indicator available



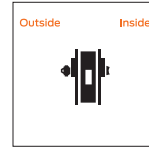
**Schlage L462**  
**ANSI E06061**  
**Double cylinder lock**

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

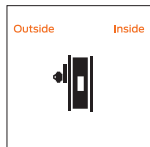


**Schlage L463**  
**ANSI E06091**  
**Classroom lock**

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging indicator available

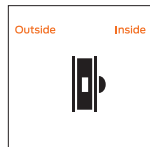


**Schlage L464**  
**ANSI E06081**  
**Cylinder lock**

- Deadbolt actuated by key
- No trim opposite side



Optional 180 degree messaging indicator available

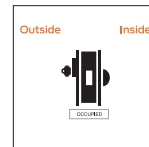


**Schlage L480**  
**ANSI -**  
**Door bolt**

- Deadbolt actuated by thumbturn
- No trim opposite side



Optional 180 degree messaging indicator available



**Schlage L496**  
**ANSI -**  
**Deadbolt with "OCCUPIED" indicator**

- Deadbolt actuated by key or thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed

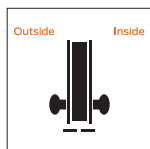


Optional 180 degree messaging indicator available

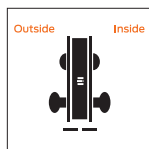




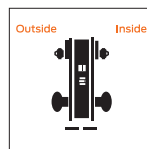
## Special functions

**Schlage L9110 x XL11-741**  
**ANSI -****Double dummy with active trim**

- Knob/lever both sides active
- Lock case and armor front included
- Can receive deadbolt with XL11-743 armor front

**Schlage L0940 x XL11-446**  
**LV9040 x XL11-446****ANSI -**  
**Privacy with turn both sides**

- Latchbolt retracted by either lever
- Rotating either thumbturn locks outside lever
- Actuating inside lever, closing door, or rotating either thumbturn unlocks outside lever

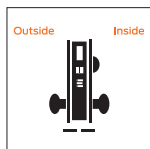
**Schlage L9066 x XL11-897**  
**ANSI -****Storeroom lock**

- Either key retracts latchbolt
- Either key locks or unlocks both levers

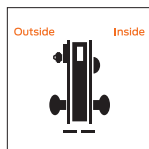
Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

**Schlage L9412 x XL11-907**  
**ANSI -****Exit lock with deadbolt**

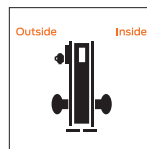
- Latchbolt retracted by inside lever
- Outside lever always fixed
- Thumbturn actuates deadbolt
- Inside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked

**Schlage L9460 x XL11-635**  
**ANSI -****L9460 with fixed dummy trim**

- Knob/lever both sides fixed
- Deadbolt thrown or retracted by key outside or thumbturn inside
- Specify per XL11-635



Optional 180 degree messaging indicator available

**Schlage L9460, L9462, L9464 x XL11-886**  
**ANSI -****Deadbolt with retraction by inside lever or knob****L9460 x XL11-886**

- Deadbolt actuation by key or thumbturn
- Outside lever always fixed
- Inside lever active when deadbolt is thrown
- Inside lever retracts deadbolt

**L9462 x XL11-886**

- Same as L9460 x XL11-886 except deadbolt actuated by key from either side

**L9464 x XL11-886**

- Same as L9460 x XL11-886 except deadbolt actuated by key from one side

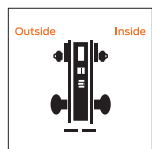


Optional 180 degree messaging indicator available





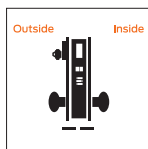
## Special functions



Schlage L9482 x XL11-543  
LV9482 x XL11-543  
ANSI -  
**Institutional lock with  
deadbolt**

- Latchbolt retracted by either key
- Both levers always inoperative
- Deadbolt actuated by either key
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



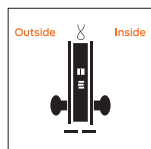
Schlage L9485 x XL11-557  
ANSI -  
**Prison function lock**

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always free spinning
- Deadbolt actuation by guard key
- Inside knob/lever fixed when deadbolt is thrown
- Prisoner key only retracts latchbolt
- Tamper resistant Torx screws standard





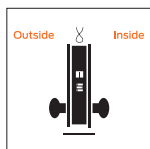
## Electrified locks functions



Schlage L9090EL  
L9090EU  
ANSI F13

Electrically locking/  
unlocking outside lever  
(no cylinder)

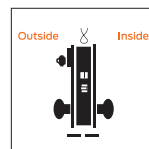
- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



Schlage L9091EL  
L9091EU  
ANSI -

Electrically locking/  
unlocking both levers (no  
cylinder)

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked



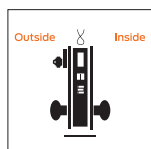
Schlage L9092EL  
L9092EU  
ANSI -

Electrically locking/  
unlocking outside lever  
(single cylinder)

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by lever/knob inside or key outside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress
- EL: Switch or power failure allows outside lever/knob to retract latchbolt
- EU: Switch or power failure locks (EU) outside lever/knob



Optional HSLR trim available



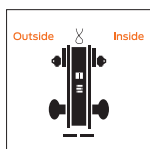
Schlage L9093EL  
L9093EU  
ANSI -

Electrically locking/  
unlocking both levers  
(outside cylinder)

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by key outside
- Auxiliary latch deadlocks latchbolt when door is locked



Optional HSLR trim available



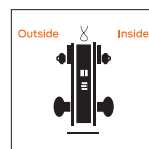
Schlage L9094EL  
L9094EU  
ANSI -

Electrically locking/  
unlocking outside lever  
(double cylinder)

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key or by inside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



Optional HSLR trim available



Schlage L9095EL  
L9095EU  
ANSI -

Electrically locked or  
electrically unlocked both  
levers (double cylinder)

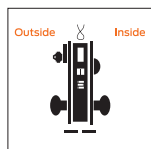
- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key
- Auxiliary latch deadlocks latchbolt when door is locked
- EL: Switch or power failure unlocks both levers/knobs and allows knob/lever to retract latchbolt
- EU: Switch or power failure locks both levers/knobs



Optional HSLR trim available



## Electrified locks functions



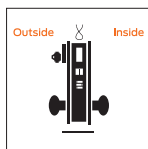
Schlage L9492EL  
L9492EU  
ANSI -

Electrically locking/  
unlocking outside lever  
(outside cylinder, inside  
thumbturn with deadbolt)

- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available



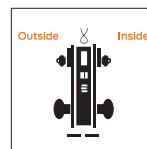
Schlage L9493EL  
L9493EU  
ANSI -

Electrically locking/  
unlocking both levers  
(outside cylinder, inside  
thumbturn with deadbolt)

- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU both levers retract deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked



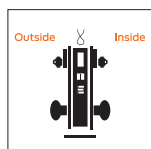
Optional HSLR trim available



Schlage L9494EL  
L9494EU  
ANSI -

Electrically locking/  
unlocking outside lever  
(double cylinder with  
deadbolt)

- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9495EL  
L9495EU  
ANSI -

Electrically locking/  
unlocking both levers  
(double cylinder with  
deadbolt)

- Both levers continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- When unlocked both levers retract deadbolt and open door
- Auxiliary latch deadlocks latchbolt when door is locked

## Available electrified options include:

- RX** Request to Exit  
**LX** Latch bolt monitor  
**DPS** Door Position Switch  
**DM** Deadbolt monitor (DM)



## Cylinders

### Conventional mortise cylinder

<b>P</b>	6-pin Conventional (standard) with Schlage logo
<b>Z</b>	SL 7-pin Conventional (A2 pinning) with Schlage logo
<b>L</b>	Less full face cylinder
<b>C</b>	Concealed mortise cylinder
<b>W</b>	Less concealed mortise cylinder

### Full size interchangeable core (FSIC) mortise cylinder

<b>R</b>	6-pin FSIC with Schlage logo
<b>M</b>	SL 7-pin FSIC (A2 pinning) with Schlage logo
<b>J</b>	Less FSIC
<b>F</b>	6-pin FSIC less Schlage logo
<b>T</b>	Refundable FSIC construction core

### Small format interchangeable core (SFIC) mortise cylinder

<b>G</b>	7-pin SFIC (A2 pinning) with Schlage logo
<b>B</b>	Less core
<b>BDC</b>	Disposable SFIC construction core
<b>H</b>	Refundable SFIC construction core



## Specifications

### Chassis

Case material	CRS with zinc dichromate plating
Case size	L9000 Series: 4 <sup>7</sup> / <sub>16</sub> " x 6 <sup>1</sup> / <sub>16</sub> " x 1" (113 mm x 154 mm x 25 mm) L400 Series: 4 <sup>7</sup> / <sub>16</sub> " x 3 <sup>5</sup> / <sub>8</sub> " x 1" (113 mm x 92 mm x 25 mm)
Spacing	Knob or lever to cylinder: 3 <sup>7</sup> / <sub>8</sub> " (98 mm); Knob or lever to thumbturn hub: 2 <sup>11</sup> / <sub>16</sub> " (68 mm)
Door thickness	Standard: 1 <sup>3</sup> / <sub>4</sub> " (44 mm) Optional: 1 <sup>3</sup> / <sub>8</sub> " (35 mm) to 2 <sup>1</sup> / <sub>2</sub> " (64 mm) Over 2 <sup>1</sup> / <sub>2</sub> " (64 mm) door ranges vary by function. Specify door thickness if other than 1 <sup>3</sup> / <sub>4</sub> " and position in door EE, EI, EO, ED

### Trim

Handing	L9000 Series: Field-reversible without disassembly L400 Series: Non-handed
Lever/knob	Lever designs: forged brass or bronze and cast stainless steel Knob designs: heavy-duty wrought brass, bronze or stainless steel
Rose/ escutcheon	L full face and concealed: Cold-forged brass, bronze and stainless steel N full face: Heavy wrought reinforced brass, bronze and stainless steel Roses: A, B, C: wrought brass or bronze and stainless steel; AVA and MER: forged brass
Combinations	Available with knob both sides, lever both sides, or knob/lever combinations. Roses cannot be combined with escutcheons.

### Latch

Backset	2 <sup>3</sup> / <sub>4</sub> " (70 mm) only
Armor	L9000 Series Standard: 1 <sup>1</sup> / <sub>4</sub> " x 8" x <sup>7</sup> / <sub>32</sub> " (32 mm x 203 mm x 6 mm) Optional: 1 <sup>1</sup> / <sub>16</sub> " x 8" x <sup>7</sup> / <sub>32</sub> " (27 mm x 203 mm x 6 mm) L400 Series: Standard: 1 <sup>1</sup> / <sub>4</sub> " x 5 <sup>9</sup> / <sub>16</sub> " x <sup>7</sup> / <sub>32</sub> " (32 mm x 141 mm x 6 mm)
Latch	<sup>3</sup> / <sub>4</sub> " (19 mm) throw stainless steel latch with anti-friction tongue
Deadbolt	1" (25 mm) throw stainless steel deadbolt
Strike	L9000 Series Standard: ANSI curved lip strike 1 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (32 mm x 124 mm) x 1 <sup>3</sup> / <sub>16</sub> " (30 mm) lip to center with dust box Optional: Extended lip strike options ( <sup>7</sup> / <sub>8</sub> ", 1", 1 <sup>1</sup> / <sub>2</sub> ", 1 <sup>3</sup> / <sub>4</sub> ", 2") L400 Series Standard: 1 <sup>1</sup> / <sub>8</sub> " x 3 <sup>1</sup> / <sub>2</sub> " (29 mm x 89 mm) with dust box Optional: 1 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (32 mm x 124 mm) with dust box



## Specifications

### Keying

Cylinder format	6-pin Conventional mortise cylinder (standard); also available in concealed mortise cylinder, FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus XP security levels with available master keying and construction keying.

### Wired electrified

Input voltage	12V or 24V DC for L909X
Operating mode	Fail Safe or Fail Secure via switch on chassis
Current draw	0.23 amps maximum; 0.01 amps holding
Request to Exit	Rating: 3A @ 125V AC/2A @ 30V DC. Available on all L909X and L949X electrified functions. Also available option for the following mechanical functions: L9010/50/56/70/71/80 and L9453/56/58/65/66/80/85.
Latch bolt monitor	Available on all L909x and L949x electrified and L9010/25/26/50/56/70/71/80/82 and L9453/56/65/66/80/85 mechanical functions.
Door position sensor	Internal available on L909x electrified and L9010/80/82 mechanical functions; external available on all functions.
Deadbolt monitor	Available on L949x electrified and L9453/56/57/58/80/85/86/96 mechanical functions

### Warranty

3 year limited mechanical and  
1 year limited electromechanical

### Certifications

ANSI/BHMA	L/LV9000: ANSI/BHMA A156.13-2017 Series 1000, Grade 1 operation and security; with FSIC Grade 2; with SFIC Grade 3 L400: ANSI/BHMA A156.36, Grade 1
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	Mechanical: UL 10C and CAN/ULC-S104 3 hour fire listed; all locks listed for A label single doors, 4' x 10' and pairs 8' x 10' Electrified: UL/ULC listed for single-point locking applications; UL listed for 3-hour fire door (except L9076 and L9077)
CA Fire Code	All levers with a return to door of 1/2" (64 mm) or less comply
FL Building Code	Miami-Dade NOA's and Florida Building Commission listings
Federal	BAA compliant, all functions



## Grade 1 cylindrical locks

# ND Series

### Overview

The Schlage® ND Series is ANSI/BHMA Grade 1 certified and performs beyond the Grade 1 standards. The lock withstands 3,100 in-lb. of abusive lever torque, as well as 1,600 lbs. of offset lever pull for protection against pry bar attacks. The lock is not only strong from attacks, but it also shows nearly zero droop or wobble after 16 million cycles.

All ND Series locks come in 10 finishes, nine lever designs and use an ANSI 161 door preparation, commonly used with cylindrical locks. They are ideal for all new construction and retrofit applications.



### Finishes



**605**  
Bright Brass



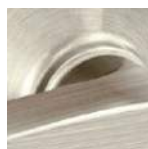
**606**  
Satin Brass



**612**  
Satin Bronze



**613**  
Oil Rubbed  
Bronze



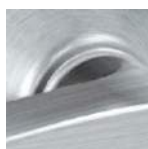
**619**  
Satin Nickel



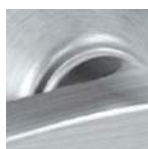
**622**  
Matte Black



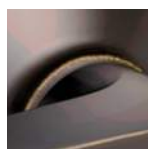
**625**  
Bright Chrome



**626**  
Satin Chrome



**626AM**  
Satin Chrome,  
Antimicrobial



**643e<sup>1</sup>**  
Aged Bronze

<sup>1</sup> e = an equivalent finish to the BHMA standard



## Grade 1 cylindrical locks ND Series

### Lever styles



**Athens (ATH)**  
Athens with milled tactile  
warning (8AT)



**Boardwalk (BRK)**  
Boardwalk with knurled tactile  
warning (8BK)



**Broadway (BRW)**  
Broadway with knurled tactile  
warning (8BY)



**Latitude (LAT)**  
Latitude with milled tactile  
warning (8LT)



**Longitude (LON)**  
Longitude with milled tactile  
warning (8LN)



**Omega (OME)**



**Rhodes (RHO)<sup>1</sup>**  
Rhodes with milled tactile  
warning (8RO)<sup>1</sup>



**Sparta (SPA)**  
Sparta with milled tactile  
warning (8SP)



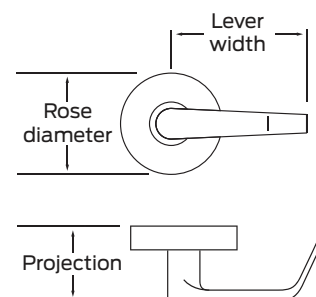
**Tubular (TLR)**  
Tubular with knurled tactile  
warning (8TR)

### Dimensions

Lever	Width	Projection
Athens (ATH)	4 <sup>9</sup> / <sub>16</sub> "	3 <sup>5</sup> / <sub>16</sub> "
Boardwalk (BRK)	4 <sup>15</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>16</sub> "
Broadway (BRW)	4 <sup>1</sup> / <sub>2</sub> "	3 <sup>1</sup> / <sub>16</sub> "
Latitude (LAT)	4 <sup>1</sup> / <sub>2</sub> "	3 <sup>1</sup> / <sub>8</sub> "
Longitude (LON)	4 <sup>15</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>8</sub> "
Omega (OME)	5 <sup>1</sup> / <sub>16</sub> "	3 <sup>5</sup> / <sub>16</sub> "
Rhodes (RHO)	4 <sup>9</sup> / <sub>16</sub> "	2 <sup>15</sup> / <sub>16</sub> "
Sparta (SPA)	4 <sup>15</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>2</sub> "
Tubular (TLR)	4 <sup>15</sup> / <sub>16</sub> "	3"

Rose	Diameter
Standard	3 <sup>7</sup> / <sub>16</sub> "

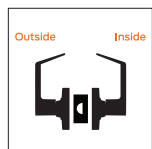
Return to door meets <sup>1</sup>/<sub>2</sub>" requirement for Boardwalk (BRK), Longitude (LON), Omega (OME), Rhodes (RHO), Sparta (SPA) and Tubular (TLR) levers



<sup>1</sup> Optional break away lever available

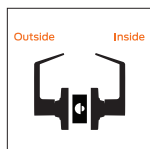


## Mechanical non-keyed functions



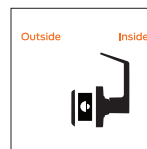
**Schlage** **ND10**  
**ANSI** **F75**  
**Passage latch**

- Both levers always unlocked.
- Available with Request to Exit (RX) function.



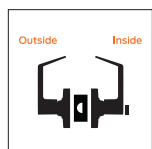
**Schlage** **ND12**  
**ANSI** **F89**  
**Exit lock**

- Outside lever always fixed.
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



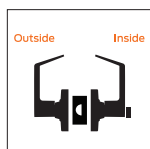
**Schlage** **ND25**  
**ANSI** **-**  
**Exit lock**

- Blank plate outside.
- Inside lever always free for immediate egress.



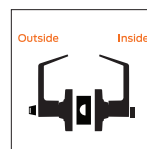
**Schlage** **ND30**  
**ANSI** **-**  
**Patio lock**

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



**Schlage** **ND40**  
**ANSI** **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** **ND44**  
**ANSI** **-**  
**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.



Key



Pushbutton



Turn/push  
button



Springlatch



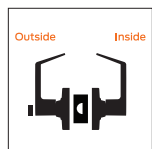
Deadlatch





## Mechanical non-keyed functions

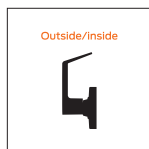
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Schlage ND45  
ANSI -

Time out lock with  
Vandlgard

- 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.



Schlage ND170  
ANSI -

Single dummy trim

- Dummy trim for one side of door.
- Used for door pull or as matching inactive trim.



Key



Pushbutton



Turn/push  
button



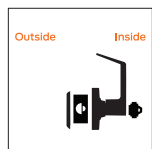
Springlatch



Deadlatch

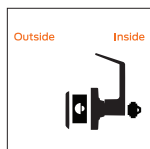


## Mechanical keyed functions



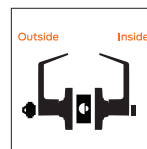
**Schlage**    **ND25 x 70**  
**ANSI**       -  
**Classroom exit lock**

- Blank plate outside.
- Key locks or unlocks inside lever.



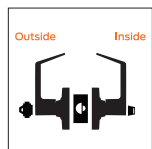
**Schlage**    **ND25 x 80**  
**ANSI**       -  
**Storeroom exit lock**

- Blank plate outside.
- Key in fixed inside lever retracts latch.



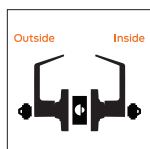
**Schlage**    **ND50**  
**ANSI**       **F82**  
**Entrance/office lock**

- 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.



**Schlage**    **ND53**  
**ANSI**       **F109**  
**Entrance lock**

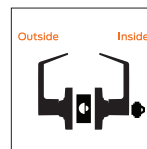
- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.



**Schlage**    **ND60**  
**ANSI**       **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.

Available with an optional indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only.



**Schlage**    **ND60**  
**ANSI**       -  
**Vestibule with closed outside lever**

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



Key



Pushbutton



Turn/push  
button

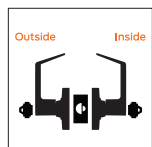


Springlatch



Deadlatch

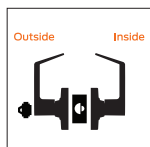
## Mechanical keyed functions



**Schlage** **ND66**  
**ANSI** **F91**  
**Store lock**

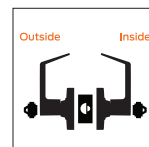
- Key in either lever locks or unlocks both levers.

Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



**Schlage** **ND70**  
**ANSI** **F84**  
**Classroom lock**

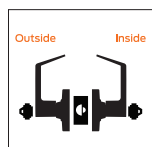
- Outside lever locked and unlocked by key.
- Inside lever always free for immediate egress.



**Schlage** **ND70 x 80**  
**ANSI** **-**  
**Classroom by storeroom lock**

- Key locks and unlocks outside lever.
- Key in fixed inside lever retracts latch.

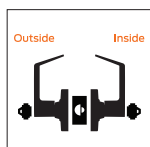
Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



**Schlage** **ND72**  
**ANSI** **-**  
**Communicating lock**

- Key in either lever locks and unlocks respective lever.

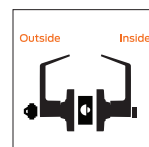
Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



**Schlage** **ND72**  
**ANSI** **-**  
**Communicating lock with Vandlgard**

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

Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



**Schlage** **ND73**  
**ANSI** **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.



Key



Pushbutton



Turn/push button

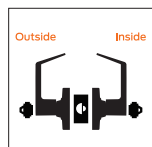


Springlatch



Deadlatch

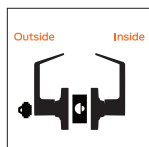
## Mechanical keyed functions



**Schlage** **ND75**  
**ANSI** -  
**Classroom security lock**

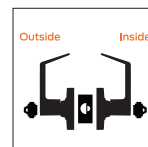
- Key in either lever locks or unlocks outside lever.
- Inside lever always free for immediate egress.

Comes standard with an indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only. Other finishes receive a standard rose.



**Schlage** **ND80**  
**ANSI** **F86**  
**Storeroom lock**

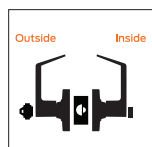
- Outside lever is fixed.
- Entrance by key only.
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



**Schlage** **ND82**  
**ANSI** **F87**  
**Institution lock**

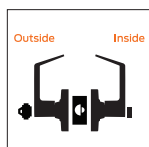
- Both levers always fixed.
- Entrance by key in either lever.

Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



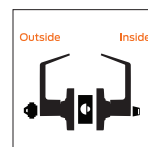
**Schlage** **ND85**  
**ANSI** -  
**Faculty restroom lock**

- 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.



**Schlage** **ND91**  
**ANSI** **F82**  
**Entrance/office lock with Vandlgard**

- 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.



**Schlage** **ND92**  
**ANSI** **F109**  
**Entrance lock with Vandlgard**

- 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.



Key



Pushbutton



Turn/push button



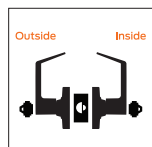
Springlatch



Deadlatch



## Mechanical keyed functions

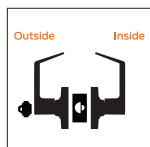


**Schlage** **ND93**  
**ANSI** **F88**

**Vestibule lock with Vandlgard**

- 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.

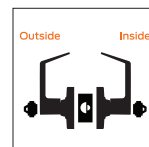
Available with an optional indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only.



**Schlage** **ND94**  
**ANSI** **F84**

**Classroom lock with Vandlgard**

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

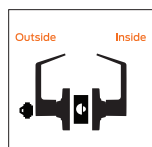


**Schlage** **ND95**  
**ANSI** **-**

**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.

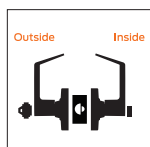
Comes standard with an indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only. Other finishes receive a standard rose.



**Schlage** **ND96**  
**ANSI** **F86**

**Storeroom lock with Vandlgard**

- 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.
- Available with Request to Exit (RX) function.



**Schlage** **ND97**  
**ANSI** **F90**

**Corridor lock with Vandlgard**

- 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.



Key



Pushbutton



Turn/push  
button



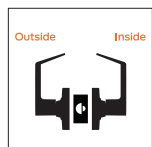
Springlatch



Deadlatch

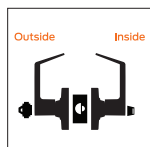


## Wired electrified functions



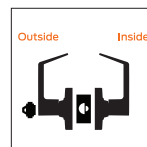
**Schlage** **ND12EL**  
**ND12EU**  
**ANSI** -  
**Keyless electrified exit**

- 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.
- Available with Request to Exit (RX) function.



**Schlage** **ND80EL**  
**ND80EU**  
**ANSI** -  
**Electrified storeroom**

- 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.
- Available with Request to Exit (RX) function.



**Schlage** **ND96EL**  
**ND96EU**  
**ANSI** -  
**Electrified storeroom with Vandlgard**

- 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.
- Available with Request to Exit (RX) function.



Key



Pushbutton



Turn/push  
button



Springlatch



Deadlatch



## Cylinders

### Conventional cylinder

<b>P</b>	6-pin Conventional (standard)
<b>Z</b>	SL 7-pin Conventional (A2 pinning)
<b>L</b>	Less Conventional
<b>C</b>	Less 6-pin Conventional double cylinder

### Full size interchangeable core (FSIC)

<b>R</b>	6-pin FSIC
<b>M</b>	SL 7-pin FSIC (A2 pinning)
<b>J</b>	Less FSIC
<b>T</b>	Refundable FSIC construction core

### Small format interchangeable core (SFIC)

<b>G</b>	7-pin SFIC (A2 pinning)
<b>B</b>	Less SFIC
<b>BDC</b>	Disposable SFIC construction core
<b>H</b>	Refundable SFIC construction core



## Cylinders

### Chassis

Material	Modular design of zinc and steel components plated for corrosion protection
Door thickness	Standard: 1 <sup>5</sup> / <sub>8</sub> " to 2 <sup>1</sup> / <sub>8</sub> " Optional: 1 <sup>3</sup> / <sub>8</sub> " - 6" EE, EO, EI, ED configurations

### Trim

Handing	Non-handed
Levers	Pressure cast zinc, plated to match product finish specification
Roses	Wrought brass, bronze, or zinc, plated to match product finish specification

### Latch

Backset	Standard: 2 <sup>3</sup> / <sub>4</sub> " Optional: 2 <sup>3</sup> / <sub>8</sub> ", 3 <sup>3</sup> / <sub>4</sub> ", 7 <sup>3</sup> / <sub>4</sub> "
Faceplate	Standard : 1 <sup>1</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>4</sub> " Optional: 1" x 2 <sup>1</sup> / <sub>4</sub> " for 2 <sup>3</sup> / <sub>8</sub> " backset doors
Latch	Standard : <sup>1</sup> / <sub>2</sub> " throw via Oil Impregnated Stainless Steel Optional : <sup>3</sup> / <sub>4</sub> " throw anti-friction bolt available for pairs of doors
Strike	Standard: ANSI Curved Lip: 1 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>16</sub> " Optional: T Strike, ANSI strikes with alternative lip lengths, dust box options

### Keying

Cylinder format	6-pin Conventional (standard); also available in FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options designed to fit competitive cores from Sargent, Corbin Russwin, Yale and Medeco.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus XP security levels with available master keying and 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

### Warranty

10 years mechanical, 1 year wired electrified





## Specifications

### Certifications

ANSI/BHMA	All ND Series comply with A156.2 performance requirements for grade 1 cylindrical locks. Wired electrified complies with A156.25 (indoor).
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 $\frac{3}{4}$ " latch option; pair doors 90-minute fire door 8'0" x 10'0" with $\frac{3}{4}$ " latch option
CA Fire Code	All levers with a return to door of $\frac{1}{2}$ " (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; BAA compliant, all functions.



## Surface mounted closer

# 4040XP Series

### Overview

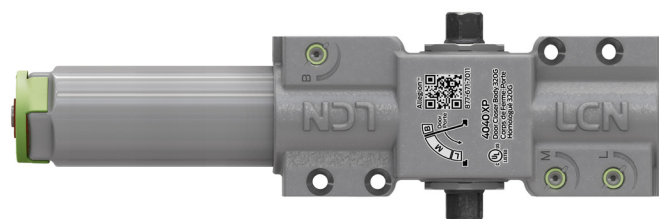
The 4040XP Series is LCN's most popular door closer—and for good reason. This durable non-handed, surface-mounted heavy-duty closer, is designed for the most demanding high-use-and-abuse applications.

- ANSI/BHMA A156.4 Grade 1 rated
- Meets ADA reduced opening force requirements
- cUL listed and UL listed for self-closing doors without hold-open

The beauty of the 4040XP is that it goes way beyond the required standards. And in doing so, it has set the standard for reliability, longevity, and value.

- Stronger materials designed to go the distance.
- Proven production processes and technology, such as, forging steel and heat-treating certain components, that ensure a tougher, bolder construction.
- Abuse-cycle and temperature tests that mimics what door closers encounter in high-abuse environments.
- Well-marked adjustment valves and built-in preventative measures for adjusting too far and breaking the closer.
- 30-year limited warranty

Our relationship with you doesn't end at the sale. LCN supports you throughout the life of your facility with all your technical and application needs. Bottom line, the 4040XP is a closer you can count on that's built to last a lifetime—all while delivering remarkable value in a variety of applications.



### Cylinder

#### 4040XP-3071

Cast iron cylinder assembly

#### Handing

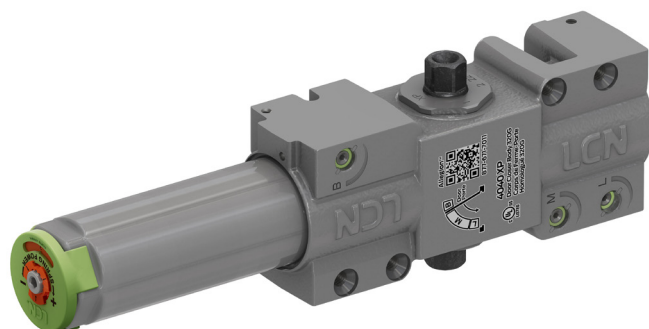
Non-handed

#### Sizing

Adjustable spring size 1–6, includes LCN Green Dial

#### Available cylinder options

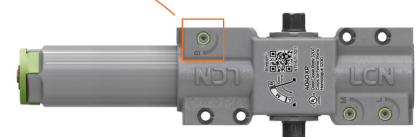
DEL	Delayed action cylinder
-----	-------------------------



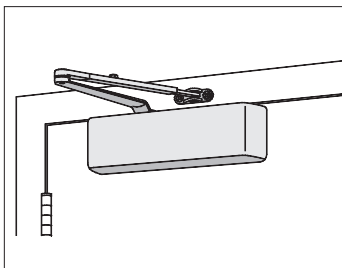
## Adjustments

There are several design features that make installation or adjustment of the 4040XP easier and more intuitive.

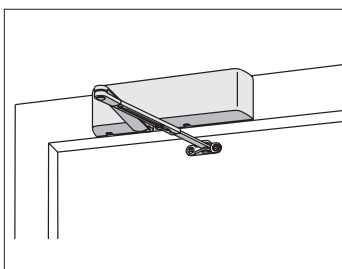
- **LCN Green Dial** provides a visual reference of the spring power setting, taking the guesswork out of spring power adjustments.
- **Additional adjustments** can be made to the back check, main, and latch regulation valves which are labeled for easy identification.
  - **Note:** Labels correspond to a diagram with door swing zones located on the closer body.
- **A patent-pending positive stop feature** on all regulation valves. The improved staking feature prevents the screw from being backed out and causing accidental damage to the product.
  - The patent-pending regulation valve indicators provide visual color indicators of how far a screw is backed out—the more visible the component, the faster the speed.
  - This makes adjustments simpler and more intuitive.
- **New QR code** that provides on-the-spot access to interactive installation and maintenance instructions and tech support.



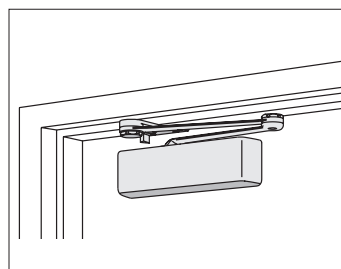
## Mounting



Hinge (pull side)



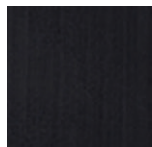
Top jamb (push side)



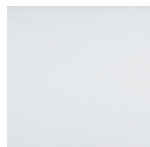
Parallel arm (push side)

## Finishes

### Powder coat finishes



**622**  
Matte Black



**689**  
Aluminum



**690**  
Statuary Bronze



**691**  
Light Bronze



**693**  
Black



**695**  
Dark Bronze



**696**  
Brass

150+ additional custom colors available using the RAL numbering system

### Metal plated finishes



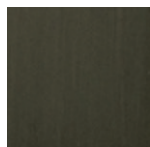
**632**  
Bright Brass



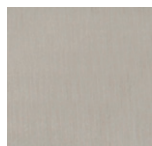
**633**  
Satin Brass



**639**  
Satin Bronze



**616**  
Satin Bronze, Blackened



**646**  
Satin Nickel



**651**  
Bright Chrome



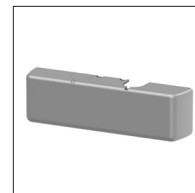
**652**  
Satin Chrome

### Available finish options

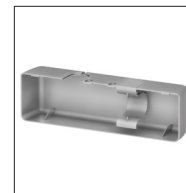
MTLPC	Brite metallic: Custom powder coat finish, which resembles that of 651 or 652 plated finish.
SRI	For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.

## Covers

### Standard cover



Front view

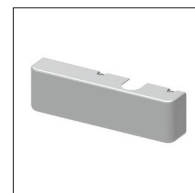


Back view

#### 4040XP-72 plastic cover (PC)

- Non-handed
- Includes 4040XP-54 snap-on cover clip
- Redesigned snap-fit cover with improved patent-pending retention fit

### Optional cover



#### 4040XP-72MC metal cover (MC)

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

## Arms



**4040XP-3077  
Regular Arm (REGARM)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA shoe, 4040XP-62PA required for parallel arm mounting



**4040XP-3077L  
Long Arm (LONG)**

- Non-handed
- Includes long rod and shoe, 4040XP-79LR for top jamb mount
- Optional



**4040XP-3077ELR  
Extra Long Arm (XLONG)**

- Non-handed
- Includes extra long rod and shoe, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



**4040XP-3049  
Hold Open Arm (H)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



**4040XP-3049L  
Hold Open Long Arm (HLONG)**

- Non-handed
- Includes long head and tube, 4040XP-3048L for top jamb mount
- Optional



**4040XP-3077EDA  
Extra Duty Arm (EDA)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



**4040XP-3049EDA  
Hold Open Extra Duty Arm (HEDA)**

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold open function is adjusted at the shoe
- Optional



**4040XP-3077EDA/62G  
Extra Duty Arm with 62G Thick Hub Shoe (EDAW62G)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



**4040XP-3049EDA/62G  
Hold Open Extra Duty arm with 62G Thick Hub Shoe (HEDA62G)**

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance; hold open function is adjusted at the shoe
- Optional



**4040XP-3077CNS  
Cush-n-Stop Arm (CUSH)**

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe.
- Optional



**4040XP-3049CNS  
Hold Open Cush-n-Stop Arm (HCUSH)**

- Non-handed
- Hold open function with templated stop/hold open points
- Handle controls hold open function
- Optional



**4040XP-3077SCNS  
Spring Cush-n-Stop Arm (SCUSH)**

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional

## Arms



### **4040XP-3049SCNS Spring Hold Open Cush-n-Stop Arm (SHCUSH)**

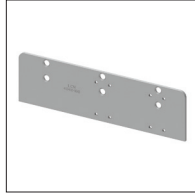
- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold open function
- Optional

## Installation accessories



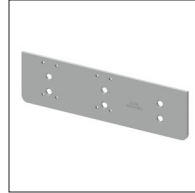
**4040XP-18  
Plate**

- Required for hinge side mount where top rail is less than 3 3/4" (95 mm)
- Requires minimum 2" (51 mm) minimum top rail



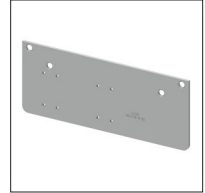
**4040XP-18G  
Plate**

- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
- Requires 1 3/4" (44 mm) minimum head frame



**4040XP-18TJ  
Plate**

- Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame



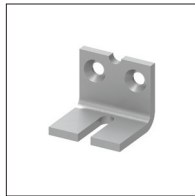
**4040XP-18PA  
Plate**

- Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the stop
- Requires 2" (51 mm) minimum top rail



**4040XP-62PA  
PA shoe**

- Required for parallel arm mounting



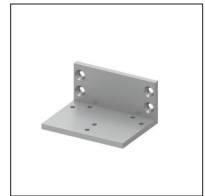
**4040XP-30  
CUSH shoe support**

- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3 1/16" (78 mm)
- Optional



**4040XP-61  
Blade stop spacer**

- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop
- Optional



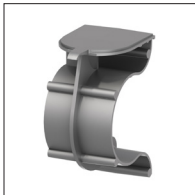
**4040XP-419  
PA flush panel adapter**

- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame
- Optional

Installation accessories



- 4040XP-62A**  
**Auxiliary shoe**
- Requires a top rail of 7" (178 mm)
  - Shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
  - Optional



- 4040XP-54**  
**Snap-on cover clip**
- Used to secure 4040XP-72 plastic cover to cylinder body

Fasteners

Self-reaming and tapping screws included standard

Fastener pack options

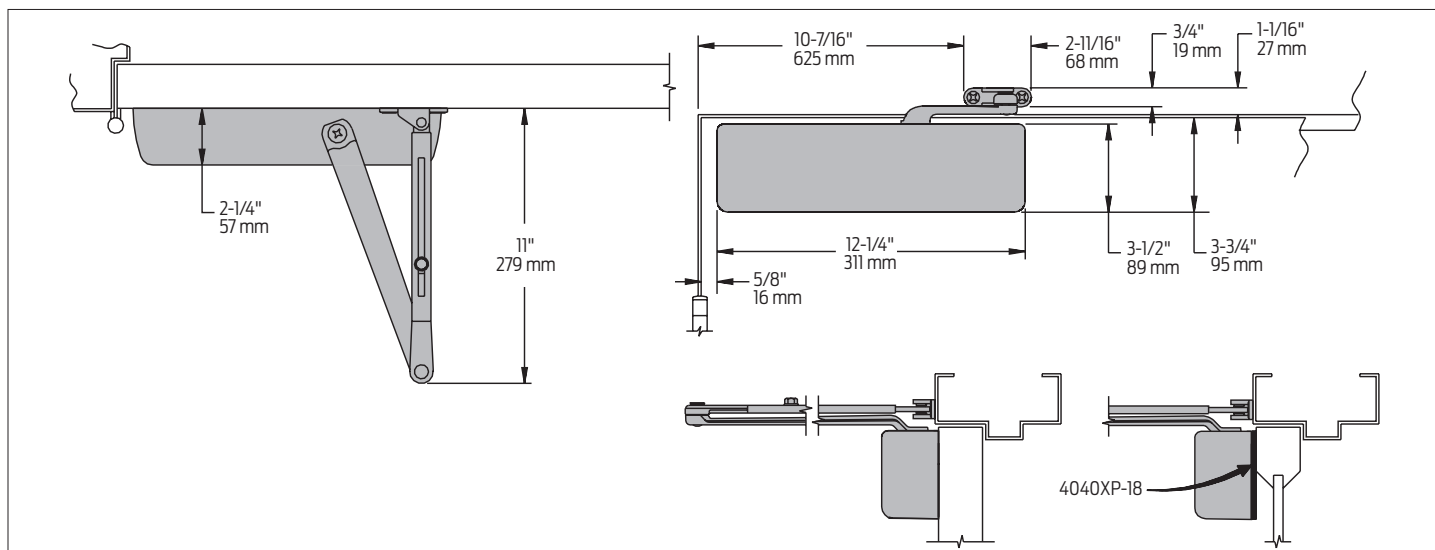
TBSRT	TB <sup>1</sup> with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB <sup>1</sup> , wood and machine screw
TORX	TORX machine screw
TBTRX	TB <sup>1</sup> and TORX machine screw

<sup>1</sup>Specify door thickness if other than 1 3/4"

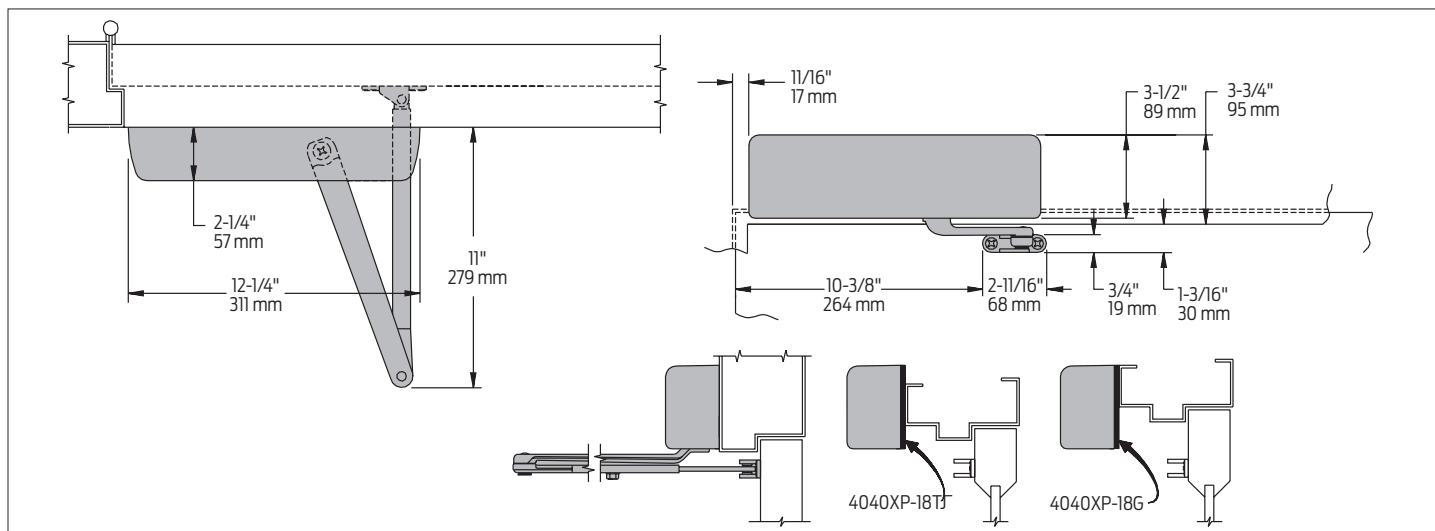


## Dimensions and mounting

### Hinge (pull) side mounting

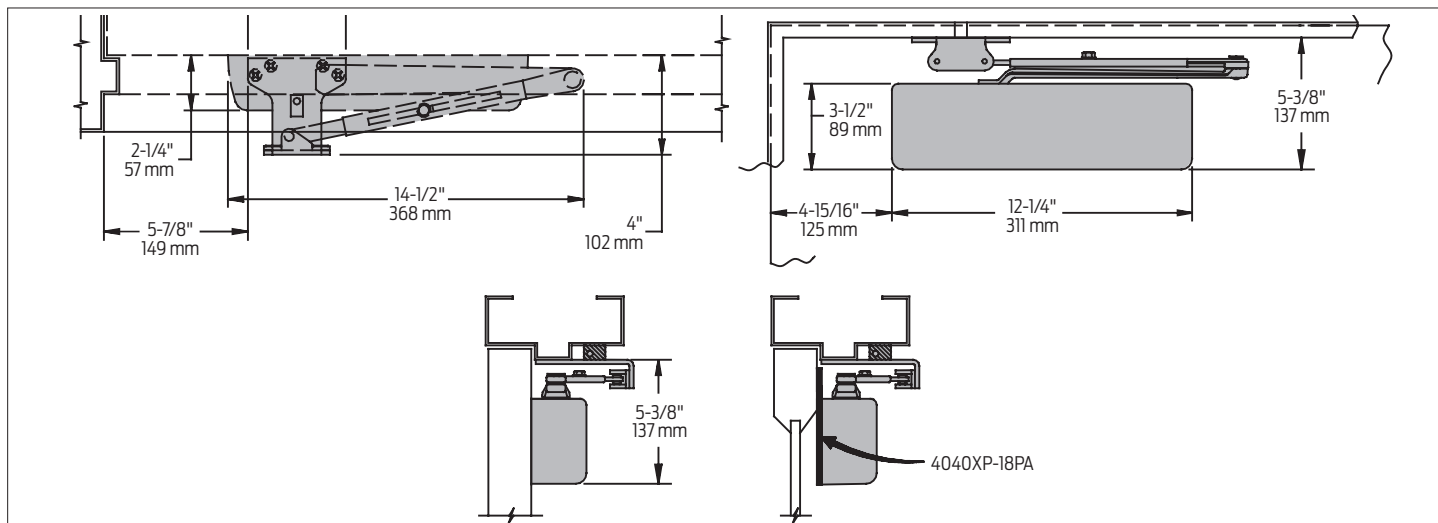


### Top jamb (push side) mounting

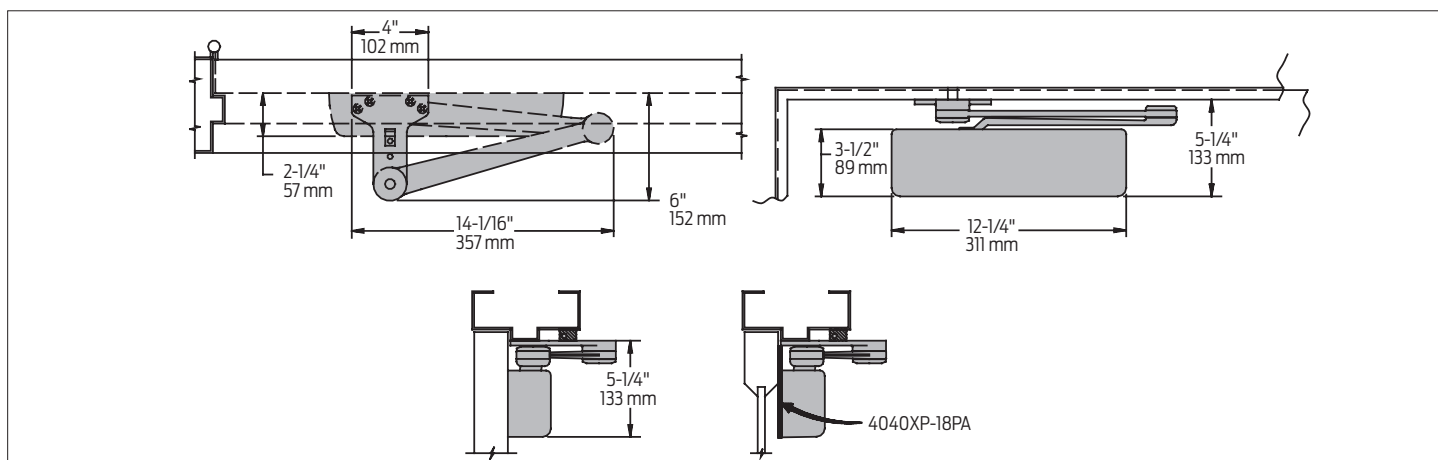


## Dimensions and mounting

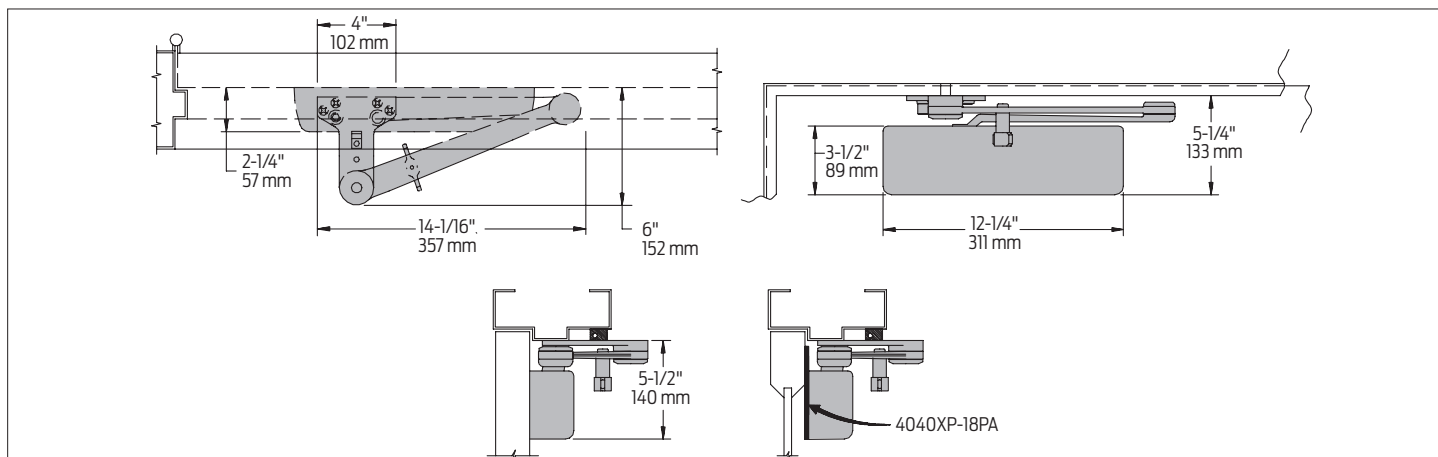
### Parallel arm (push side) mounting



### EDA mount



### CUSH mount



## Specifications

<b>Accessibility</b>	Available with less than 5.0 lbs. opening force on 36" door
<b>Certifications/ approvals</b>	<ul style="list-style-type: none"> <li>Grade 1 – ANSI A156.4</li> <li>UL 10C</li> <li>Meets BAA – Buy American Act</li> </ul>
<b>Degree of operation</b>	<p>Hinge (pull) side</p> <p>Max opening: 120°</p> <p>Hold open: 90–120°</p> <p>Top jamb (push side) mount</p> <p>Max opening: 120°</p> <p>Hold open: 85–120°</p> <p>Parallel arm with 62PA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>EDA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Cush and spring cush</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p>
<b>Environmental conditions</b>	<ul style="list-style-type: none"> <li>Approved for interior use</li> <li>Approved for exterior use (SRI coated only)</li> <li>LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C)</li> <li>LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.</li> </ul>
<b>Warranty</b>	30 years
<b>Standard features</b>	<p><b>Quality and durability</b></p> <ul style="list-style-type: none"> <li>Cast iron cylinder for rugged performance</li> <li>Single-piece, heat-treated forged steel arms to withstand greater forces</li> <li>Heat-treated 1 1/2" diameter piston for extra hardness and strength</li> <li>Double heat-treated steel pinion 11/16" journal diameter for greater wear-resistance</li> </ul>

## Standard features

- Full complement bearings with minimum 0.5" height to help withstand abuse
- All-weather Liquid X fluid for consistent performance through every season
- Non-PRV (pressure relief valve) design to minimize risk of property damage, injury, increased maintenance, and liability exposure
- Snap-on cover with patent-pending retention improvement to protect the products
- Powder coat finish that lasts longer than spray lacquer
- 30-year warranty

## Ease of installation and adjustment

- Tight tolerances in manufacturing for accuracy and precision
- LCN Green Dial to take the guesswork out of spring force adjustments
- Peel-n-stick template for quick and accurate installation
- Patent-pending positive stop to prevent the screw from being backed out
- Patent-pending regulation valve indicators for visual color indicators
- Independent speed adjustments for greater door control
- Graphic visuals and indicators to make adjustments faster, easier, and consistent
- QR code for on-the-spot access to interactive instructions and tech support

## Flexibility

- Universal non-handed design
- Full ranges of mounts
- Adjustable spring sizes 1–6

A  
Hinges & Pivots

B14  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

E  
Stops

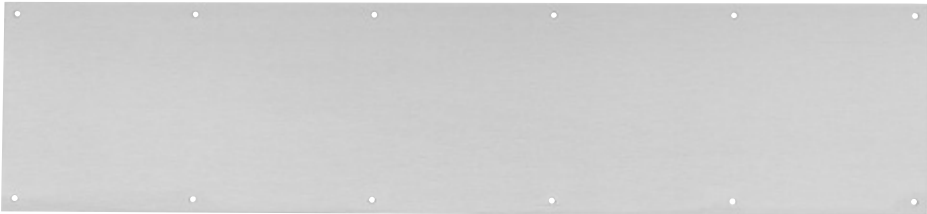
F  
Exterior Hardware

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

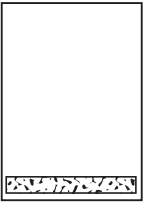

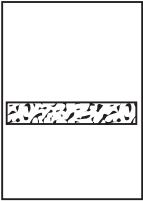
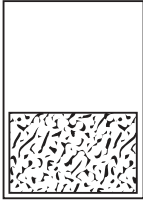
**Finishes aluminum**

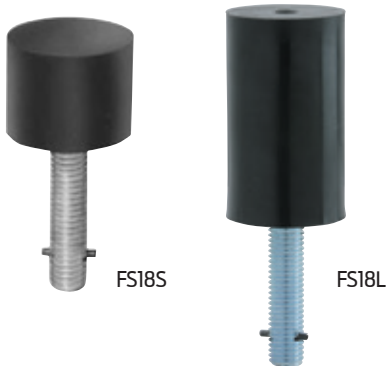
US Number	US28
BHMA	628

**Finishes plastic**

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

<b>A</b> Hinges & Pivots		<b>Mop Plates</b> <ul style="list-style-type: none"> <li>• Protect the bottom of the pull side of door subject to cleaning and mopping procedures.</li> <li>• Size Ranges: 4" to 6" high, 22" to 48" wide</li> </ul>
<b>B18</b> Pulls & Plates		<b>Kick Plates</b> <ul style="list-style-type: none"> <li>• Protect the bottom of the push side of doors subject to scuffing from foot traffic.</li> <li>• Recommended for all doors subject to normal use (especially doors using a closer).</li> <li>• Size Ranges: 8" to 24" high, 22" to 48" wide</li> </ul>
<b>C</b> Flush Bolts & Coordinators		<b>Stretcher Plates</b> <ul style="list-style-type: none"> <li>• Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment.</li> <li>• Usually applied to push side of doors.</li> <li>• Specify "B4E" Option for beveled edges.</li> <li>• Size Ranges: 6" to 8" high, 22" to 48" wide</li> </ul>
<b>D</b> Latches, Catches & Bolts		<b>Armor Plates</b> <ul style="list-style-type: none"> <li>• Protect lower half of doors from abuse by hard carts, trucks and rough usage.</li> <li>• Usually applied to push side of single doors and both sides of double acting doors.</li> <li>• Size Ranges: 26" to 48" high, 22" to 48" wide</li> </ul>
<b>E</b> Stops		
<b>F</b> Exterior Hardware		
<b>G</b> Miscellaneous Hardware		



### FS18S FS18L Floor Stops

- Security Door Stops designed for use in high vandalism areas.
- Molded from black flame resistant, resilient material around a heavy-duty stud.
- Once grouted in concrete, leaves no exposed fasteners to be tampered with or removed.
- Ideal for jail or security cell areas where floor mounted stops are required.
- FS18L also ideal for concrete wall applications.

#### Dimensions

FS18S Height: 1-1/2"

FS18L Height: 3-1/2"

FS18S Diameter: 2"

FS18L Diameter: 2"

FS18S Stud Length: 2-1/2"

FS18L Stud Length: 2-1/2"

### FS434 Floor Stop

- Burnished wrought steel.
- For undercut doors up to 1-1/2".
- Packed with screws and plastic anchors.
- Replaceable soft, resilient gray rubber.

#### Dimensions

Overall Height: 2-5/8"

Base Size: 1-1/2" W x 2-3/4" L

#### Finishes

Ives Number	USC
BHMA	604

### 430 Floor Door Stop

- Burnished wrought steel.
- For undercut doors up to 1-1/2".
- Packed with screws and plastic anchors.
- Replaceable soft, resilient gray rubber.

#### Dimensions

Overall Height: 1-5/16"

Base Diameter: 1-1/4"

#### Finishes *brass*

Ives Number	B3	B4	B5	B10B	B15	B26	B26D
BHMA	605	606	609	613	619	625	626

#### Finishes *aluminum*

Ives Number	A3*	A5	A14	A92
BHMA	666		669	673

\* only available in Slim-Pak of 25

A  
Hinges & Pivots

B  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

E5  
Stops

F  
Exterior Hardware

G  
Miscellaneous Hardware

# Self-Adhesive Weatherstripping

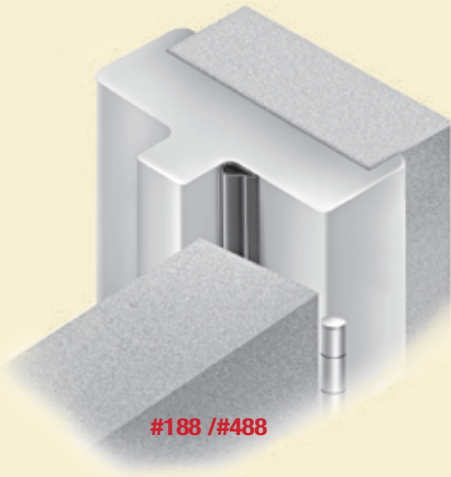


## Note:

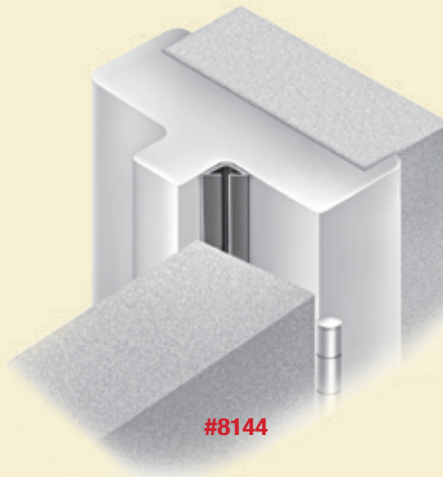
N = Neoprene  
S-Bk = Silicone, Black  
S-Wh = Silicone, White  
PSA\* is equipped with 3M self-adhesive tape  
All products are available with ZAG feature (Anti-Ligature)

S-Br = Silicone, Brown  
S-CI = Silicone, Clear  
S-Gy = Silicone, Grey

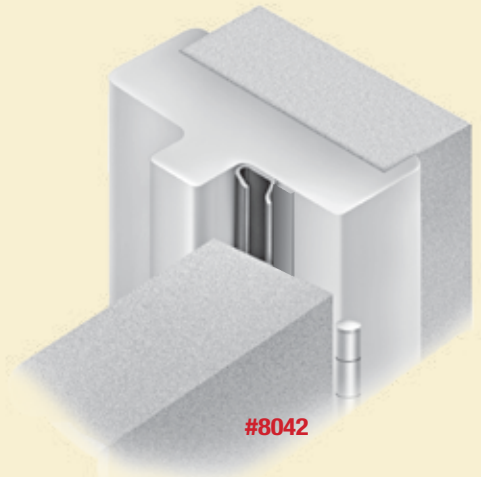
FS = Intumet™ Rubber  
Y-Bk = Polyvinyl, Black  
BIO = Antibacterial Gasketing, White



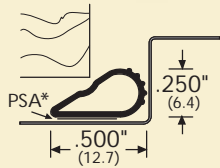
#188 / #488



#8144

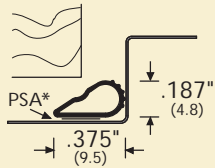


#8042



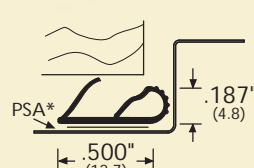
#188S-Bk #188S-Wh  
#188S-Br #188FS  
#188S-CI #188BIO  
#188S-Gy

ZERO Compress-O-Matic®

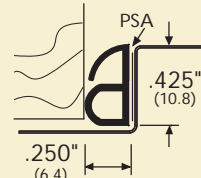


#488S-Bk #488S-Wh  
#488S-Br #488FS  
#488S-CI #488BIO  
#488S-Gy

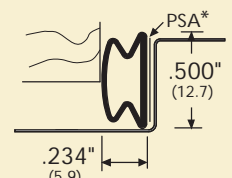
ZERO Mini-Matic®



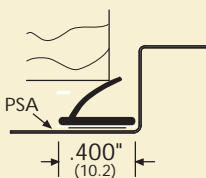
#8145S-Bk  
ZERO Compress-O-Matic®



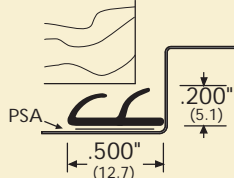
#824N



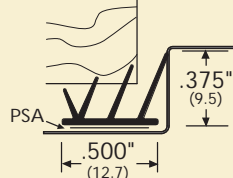
#8216S-Bk



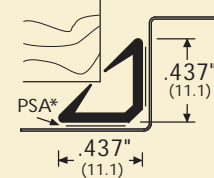
#117S-Bk



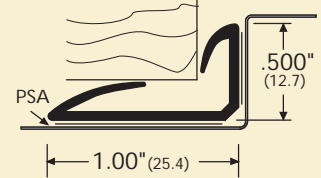
#8042S-Bk



#8150S-Bk



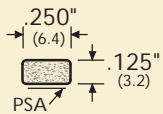
#8144S-Bk  
#8144S-Wh  
#8144 FS



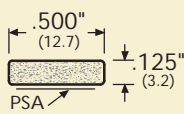
#8160Y-Bk

Door Seals

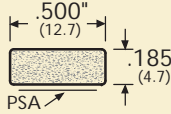
## Closed Cell Sponge Neoprene



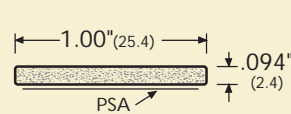
#8172N



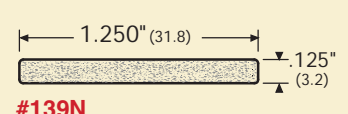
#8770N



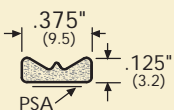
#312N



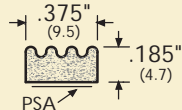
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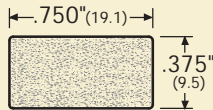
#139N



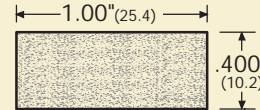
#826N



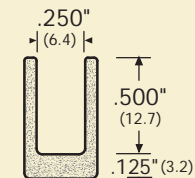
#926N



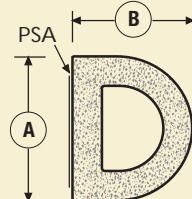
#318N



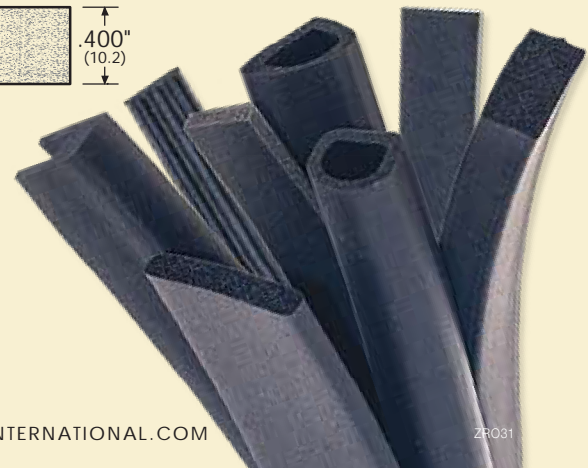
#3708N



#2070N



Part#	A	B
#810	.625" (15.9)	.625" (15.9)
#811	.750" (19.1)	.625" (15.9)
#812	1.00" (25.4)	.500" (12.7)
#813	1.250" (31.8)	.625" (15.9)



# FIRE PERFORMANCE

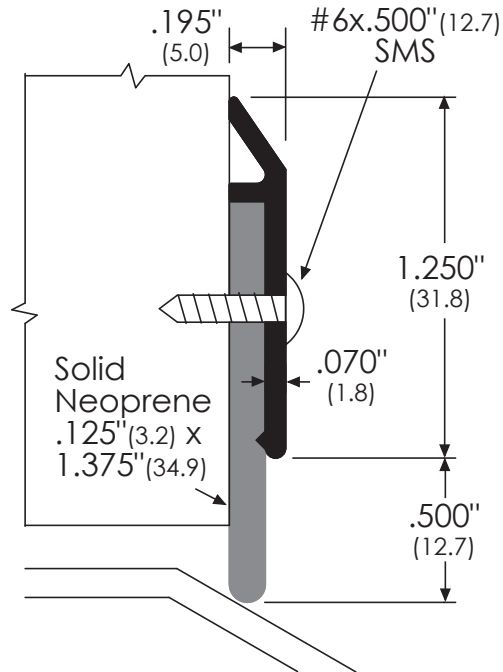


This seal is non-flammable

# SMOKE PERFORMANCE



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  
D = Dark Bronze Anodized

## ANSI/BHMA

#39A / 39D

R3B434



415 Concord Avenue tel: 718.585.3230  
Bronx, NY 10455 fax: 718.292.2243  
email: zero@zerointernational.com  
web site: www.zerointernational.com

## Part No:

39

## Notes:

## Part Description:

Door Sweep

- Surface Mounted  
Aluminum with Neoprene

Provided By:

Customer Name:

Job No:

Date: