L Series

Commercial mortise locks
Contents

4-5 Mechanical lock guide
7 L Series introduction and performance features
8-9 Schlage L9000 and L400 Series
10 M Collection levers
12 Standard Collection levers
14 Escutcheons and roses
15 Thumbturns
16 Lock components
17 Lock functions - ANSI A156.13, Series 1000
18 Lock functions - single cylinder non-deadbolt
19 Lock functions - single cylinder deadbolt
20 Lock functions - double cylinder non-deadbolt and deadbolt
21 Lock functions - full mortise and small mortise deadlocks
22 L Series universal transformation instructions
24 Electrified lock function
25 Cylinder types
26 Standard (non-IC) cylinders
27 Full-size interchangeable core (FSIC) cylinders
28 Small format interchangeable core (SFIC) cylinders
29 Blocking and compression rings
30 Classroom thumbturn cylinders
31 Armored fronts
32 Strikes
33 Door handing
34 Specifications and certifications
35 How to order
Put your trust in the name you know

For more than 90 years, Schlage® has been creating the strongest and most technologically advanced security products for schools, hospitals, hotels, commercial and institutional buildings, multi-family properties and homes. From durable mechanical locks to comprehensive electronic access control solutions and biometrics, Schlage provides protection at critical moments – when property and personal security are at stake. With a wide range of products, styles and finishes, Schlage has products for the most demanding project specifications. In public buildings, in the workplace, and in homes, at the end of the day Schlage stands for one thing: strong.
### Security level:

<table>
<thead>
<tr>
<th>Tubular interconnected locks</th>
<th>Tubular locks</th>
<th>Tubular interconnected locks</th>
<th>Cylindrical locks</th>
<th>Cylindrical interconnected locks</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS200 Series</td>
<td>S Series</td>
<td>S200 Series</td>
<td>A Series</td>
<td>H Series</td>
</tr>
<tr>
<td>Grade 2</td>
<td>Grade 2</td>
<td>Grade 2</td>
<td>Grade 2</td>
<td>-</td>
</tr>
</tbody>
</table>

- ANSI/BHMA certified
- A156.12-2013
- Exceeds 400,000 ANSI cycles
- Light traffic
- Medium traffic
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 400,000 ANSI cycles
- Medium traffic
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 400,000 ANSI cycles
- Medium traffic
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 400,000 ANSI cycles
- Medium traffic

### Typical applications:

<table>
<thead>
<tr>
<th>Exterior</th>
<th>Interior</th>
<th>New construction</th>
<th>Retrofit</th>
<th>Exterior</th>
<th>Interior</th>
<th>New construction</th>
<th>Retrofit</th>
<th>Exterior</th>
<th>Interior</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Functions available:

<table>
<thead>
<tr>
<th>1 Function</th>
<th>6 Functions</th>
<th>5 Functions</th>
<th>11 Functions</th>
<th>5 Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Design options:

<table>
<thead>
<tr>
<th>7 Finishes</th>
<th>15 Lever styles</th>
<th>1 Matching rose</th>
<th>2 Interior escutcheons</th>
<th>Tactile warning available</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 Finishes</td>
<td>4 Lever styles</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7 Finishes</td>
<td>4 Lever styles</td>
<td>1 Matching rose</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7 Finishes</td>
<td>4 Lever styles</td>
<td>1 Matching rose</td>
<td>1 Interior escutcheon</td>
<td>-</td>
</tr>
<tr>
<td>7 Finishes</td>
<td>1 Lever style</td>
<td>4 Knob styles</td>
<td>1 Matching rose</td>
<td>1 Interior escutcheon</td>
</tr>
<tr>
<td>7 Finishes</td>
<td>1 Lever style</td>
<td>2 Knob styles</td>
<td>1 Matching rose</td>
<td>1 Interior escutcheon</td>
</tr>
<tr>
<td>7 Finishes</td>
<td>1 Matching rose</td>
<td>1 Interior escutcheon</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Often used in:

- Commercial
- Multi-family
- Office
- Commercial
- Multi-family
- Office
- Commercial
- Multi-family
- Office
- Commercial
- Govt/military
- Healthcare
- Hospitality
- Office
- Retail
- Commercial
- Govt/military
- Multi-family

Not all functions and finishes available with all products. Please consult your SSC representative for details.
## Cylindrical locks

### AL Series
- **Grade 2**
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 400,000 ANSI cycles
- Medium traffic

### B Series
- **Grade 2**
- ANSI/BHMA certified
- A156.36-2010
- Exceeds 150,000/250,000 ANSI cycles
- Exterior

### D Series
- **Grade 1**
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 1,000,000 ANSI cycles
- Exterior

### ND Series
- **Grade 1**
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 1,000,000 ANSI cycles
- Exterior

### L Series
- **Grade 1**
- ANSI/BHMA certified
- A156.13-2012
- Exceeds 1,000,000 ANSI cycles
- Exterior

## Deadbolts

### Security level:
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 400,000 ANSI cycles
- Medium traffic

## Cylindrical locks

### Security level:
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 1,000,000 ANSI cycles
- Heavy-duty traffic

## Cylindrical locks

### Security level:
- ANSI/BHMA certified
- A156.2-2011
- Exceeds 1,000,000 ANSI cycles
- Heavy-duty traffic

## Mortise locks

### Security level:
- ANSI/BHMA certified
- A156.13-2012
- Exceeds 1,000,000 ANSI cycles
- Heavy-duty traffic

## Typical applications:
- **Exterior**
- **Interior**
- **New construction**
- **Retrofit**
- **Commercial**
- **Healthcare**
- **Hospitality**
- **Office**
- **Retail**
- **Commercial/institutional**
- **Govt/military**
- **Heavy-duty residential**
- **Hospitality**
- **Education**
- **Healthcare**
- **Office**
- **Retail**

## Functions available:
- **10 Functions**
- **7 Functions**
- **6 Functions**
- **14 Functions**
- **29 Functions**
- **49 Functions**
- **2 Electrified**
- **6 Electrified**
- **4 Electrified**

## Design options:
- **10 Finishes**
- **4 Finishes**
- **3 Finishes**
- **9 Finishes**
- **13 Finishes**
- **4 Lever styles**
- **3 Lever styles**
- **5 Lever styles**
- **32 Lever styles**
- **3 Knob styles**
- **1 Matching rose**
- **2 Matching roses**
- **5 Matching roses**
- **1 Matching knob**
- **Tactile warning available**
- **Tactile warning available**
- **Antiligature available**
- **Antiligature available**

## Often used in:
- **Commercial**
- **Healthcare**
- **Hospitality**
- **Office**
- **Retail**
- **Commercial/institutional**
- **Govt/military**
- **Education**
- **Healthcare**
- **Office**
- **Retail**

*This chart shows the most common uses/applications. These products are often used in other applications in addition to those listed.*
When you know exactly what you want, you don’t want to waste time finding out whether it meets your project specifications. That’s why we offer the world’s largest team of hardware specification writers to help you and your clients turn your vision into reality. And when it comes to products, our commercial suiting options, wide variety of lever designs and rich selection of finishes give you the tools you need to make your projects perfect. You know what you want. With Schlage you can be sure you’ll get it.

Safety, security and confidence
When you choose a Schlage lock you can be sure you’ve done the job right the first time. After all, our products are among the most durable and dependable on the market today. Our locks are easy to install, and simple to repair and maintain. That means fewer callbacks for you and total safety and security for your customers.
L Series

Nothing is tougher

At Schlage we know that every product you specify has to stand up to constant use and abuse. Your building’s locking systems face an additional challenge – keeping people and other assets safe while delivering constant, reliable performance. Schlage L Series Extra Heavy Duty Mortise Locks are built to withstand the rigors of daily use without fail.

We don’t compromise on security

The safety and security of your clients’ buildings is something we take very seriously. That’s why every Schlage lock and deadbolt undergoes intensive testing to determine its ANSI grade level:

- Cycle tests
- Resistance tests
- Door impact tests
- Warped door tests
- Bolt strength tests

We pay attention to these details so you can focus on creating a functional and aesthetically pleasing environment for your clients. In fact, every one of our L Series locks meets ANSI Grade 1 standards for safety.
The L Series Vandlgard is ideal for areas subject to abuse or anywhere vandalism is likely to be present. Vandlgard prevents damage to internal lock components caused by excessive force from kicking, hitting or standing on the lever to gain access.

It's easy to retrofit standard L Series locks with Vandlgard using the Vandlgard Retrofit Kit and an instructional DVD that shows installation on existing hardware.
The right lock for every application

Schlage L9000 Series

Our L9000 Series locks are ideal for use in schools, hospitals and factories, where the finest hardware must also deliver consistent, dependable operation and stand up to constant use and abuse.

Strength and durability
1. Fully wrapped heavy-gauge steel case protects against door edge attacks
2. All-metal zinc dichromate-plated working parts
3. Inside lock case protects electronic components
4. Two-piece anti-friction tongue reduces wear and tear
5. Outside and inside trim thru-bolted together and through the door

Security built in
6. Break-away spindle prevents unsecured failures and provides easy spindle replacement
7. Hub blocking plate protects lock against spindle manipulation
8. Spring-loaded fusible link provides fail secure mode in case of fire
9. Inside lever applied by screwless shank mounting – no exposed trim mount screws

Adaptable to your application
10. Universal lock case – ten functions in one case
11. Floating mounting tabs automatically adjust to fit a beveled door edge
12. Field-reversible handing without opening lock case
13. External spring cages allow for simple trim retrofit
14. Locking thumbturn on the inside of door visually shows when the door is locked and unlocked
15. Lever rotation in both directions (up and down) for ease of use
16. Independent lever rotation

Schlage L400 Series

Our L400 Series locks are designed for use as primary locks where no latching is required, such as restrooms and small doors to utility spaces. They also offer optimum security when used as auxiliary locks in other applications.

1. High-strength steel alloy cylinder retainer
2. Armored front in brass, bronze or stainless steel; adjustable for door bevel
3. 1" (25 mm) stainless steel throw deadbolt
4. Deeper retainer groove in cylinder shell increases security against wrenching and pullout; all cylinders backward compatible
5. 6-pin Everest® cylinder with patented keys standard
6. Steel case and parts are corrosion resistant
The M Collection
A range of options. A single standard of quality.

Introducing the M Collection, an entire lineup of decorative levers designed to maintain a custom high-style look on doors throughout any building—from the main entrance to the supply closet. The ability to suite M Collection levers across multiple platforms from Schlage and Von Duprin means consistent style and functionality—along with unrivaled security.

The M Collection was designed to function as a visual extension of any interior, from contemporary to classic.
All lever designs shown (M Collection and Standard) can be paired with any of the following commercial graded products for suiting across an office, a floor or an entire building.

### Finish options

<table>
<thead>
<tr>
<th>Color</th>
<th>Bright brass</th>
<th>Satin brass</th>
<th>Antique brass</th>
<th>Satin nickel</th>
<th>Bright chrome</th>
<th>Bright stainless steel</th>
<th>Satin stainless steel</th>
<th>Aged bronze</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/BHMA number</td>
<td>605</td>
<td>606</td>
<td>609</td>
<td>619</td>
<td>625</td>
<td>626/626AM</td>
<td>629</td>
<td>630/630AM</td>
</tr>
</tbody>
</table>

AM = Antimicrobial. See pricebook for additional trim and finish availability. 33A, 95 & 99 devices not available in 619 & 630 finishes.

### Locks

#### Schlage L Series mortise locks

Grade 1

Schlage L Series locks have long been the industry standard for mortise locks, with a comprehensive offering of functions and options to support any opening need.

#### Schlage LT Series tubular locks

Grade 2

The perfect compliment to the Schlage L Series or the Von Duprin exit devices, the LT Series tubular chassis is based on venerable L Series mortise lock and provides an alternative to lever suiting for interior doors.

### Exit devices

#### Von Duprin 98/99 exit devices

Grade 1

Von Duprin created the first exit device in 1908, and continues to redefine the industry today with unsurpassed quality and industry-unique features such as concealed vertical cables. The 98/99 Series exit device is intended for standard-stile doors. For use with 996L trim only.

#### Von Duprin 33A/35A exit devices

Grade 1

Offering the same innovate features as the 98/99 Series, the 33A/35A Series of exit devices is intended for narrow-stile doors. For use with 360L trim only.

#### Von Duprin 94/95 exit devices

Grade 1

The 94/95 has the pushbar trim recessed into the door to minimize the external profile, allowing more room for people and equipment to pass through. For use with 940L trim only.

Images shown with Schlage L Mortise ‘A’ rose; additional rose and escutcheon designs available.
The Standard Collection
Built on our tradition of raising industry standards.

Like the M Collection, these lever designs suite with exit devices and locks from our trusted Schlage and Von Duprin brands. And, they are built to the same exacting standards. Our Standard Collection levers offer a more traditional style that is appropriate for use in a number of commercial applications.
07

Accent

Asti

Latitude

St Annes

To learn more about suiting of Schlage and Von Duprin products with our decorative or standard levers contact your security consultant or visit allegion.com/us.
Escutcheons and roses

Choose from three types of escutcheon and two rose sizes to add tough, durable performance to your lockset.

### Escutcheons

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Finishes</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>L Full face</td>
<td>Cold-forged brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>8” x 1 1/2” x 7/16” (203 mm x 44 mm x 11 mm)</td>
</tr>
<tr>
<td>L Concealed</td>
<td>Cold-forged brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>8” x 1 1/2” x 7/16” (203 mm x 44 mm x 11 mm)</td>
</tr>
<tr>
<td>N Escutcheon</td>
<td>Heavy wrought reinforced brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>8” x 2 9/16” x 7/16” (203 mm x 65 mm x 11 mm)</td>
</tr>
</tbody>
</table>

### Roses

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Finishes</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Wrought rose</td>
<td>Cold-forged brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>2 1/8” (54 mm) diameter</td>
</tr>
<tr>
<td>B Wrought rose</td>
<td>Cold-forged brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>2 9/16” (65 mm) diameter</td>
</tr>
<tr>
<td>C Wrought rose</td>
<td>Cold-forged brass, bronze or stainless steel</td>
<td>605, 606, 609, 612, 613, 619, 625, 626, 629, 630, 643e</td>
<td>2 5/8” (66 mm) diameter</td>
</tr>
</tbody>
</table>
Thumbturns

Choose from three variations of thumbturn locks that help you meet the demands of specialized commercial projects.

Hotel occupancy indicator

09-611
For lock function L9486P, this unit can be used with A or B roses. Requires a 1 3/4" (35 mm) cylinder for 1 3/4" (44 mm) doors. Specify finish when ordering separately.

Optional EZ turn

L583-363
Available for rose and escutcheon trim. Disability turn (ADA) option to standard thumbturn. Can be used with thumbturn-function L Series lock except L9463 and L463. Specify lock per L583-363 when ordering.

Coin turn

For lock function L9044 and L9444 with rose trim. Specify 09-509 and finish per L283-124 when ordering.

Tactile warning (knurling)

Schlage L Series commercial levers feature knurling only on the outside lever unless otherwise specified. This feature is available on the following lever models: 01, 02, 03, 05, 06, 07, 12, 17, 18, 41, 42 and 93.

Products featuring a knurled surface will be indicated by adding the prefix “8” to the lever number. For example, L9050P 803A/03A.
Lock functions

Lock components

Deadbolt
Stopworks functions by turn-piece
Auxiliary guarded latch
Latchbolt with anti-friction tongue

Symbol key

Cylinder
Outside knob or lever
Inside knob or lever
Thumbturn
cylinder

Stopworks functions
by turn-piece
Auxiliary guarded latch

Occupancy indicator

L/LV 9 4 5 3 P

Lock series
L = standard
LV = Vandlgard
0 = dummy trim without lock case
9 = functions with lock case
0 = no deadbolt
1 = dummy trim
4 = with deadbolt

Function

Cylinder suffix
P = 6-pin full-face mortise cylinder with Schlage logo
L = less full-face cylinder
C = concealed mortise cylinder
W = less concealed cylinder
R = full-size interchangeable core with Schlage logo
J = less full-size interchangeable core
F = full-size interchangeable core less Schlage logo
T = full-size construction core
BD = SFIC less core
BDC = disposable SFIC
GD = Everest patented SFIC
HD = construction SFIC

SFIC = Small Format (Best® style) Interchangeable Core
To order less Schlage logo, specify lock “with K510-612 faceplate.”

LV = Vandlgard® function allows exterior lever to rotate freely down while remaining securely locked.
Lock functions
ANSI A156.13, Series 1000

Schlage  ANSI
L9010   FO1
Passage latch
Latchbolt retracted by knob/lever from either side at all times. Inside lever is always free for immediate egress.

L9040   F22
LV9040
Bath/bedroom privacy lock
Latchbolt retracted by knob/lever from either side unless outside is locked by inside thumbturn. Turning inside knob/lever or closing door unlocks outside knob/lever. To unlock from outside remove emergency button, insert emergency thumbturn (furnished) in access hole and rotate. Inside lever is always free for immediate egress.

L9044
LV9044
Privacy with coin turn outside
Latchbolt retracted by knob/lever from either side unless outside is locked by inside thumbturn or outside coin turn. Operating inside knob/lever, closing door, rotating inside thumbturn or rotating outside cointurn unlocks outside knob/lever. Specify per L283-056 for Torx® screws. Available with rose trim only. (Previously XL11-868)

L9440
LV9440   F19
Privacy with deadbolt
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by inside thumbturn. Throwing deadbolt locks outside knob/lever. Rotating inside knob/lever simultaneously retracts deadbolt and latchbolt, and unlocks outside knob/lever. To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate. Inside lever is always free for immediate egress. (Previously XL11-761.)

L9444
LV9444
Privacy with deadbolt and coin turn outside
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by inside thumbturn or outside coin turn. Throwing deadbolt locks outside knob/lever. Rotating inside knob/lever simultaneously retracts deadbolt and latchbolt, and unlocks outside knob/lever. Rotating outside coin turn retracts deadbolt and unlocks outside knob/lever. Specify per L283-056 for Torx screws. Available with rose trim only. Inside lever is always free for immediate egress. (Previously XL11-868)

L0170
Half dummy trim
Knob/lever on one side fixed by mounting bar.

L0172
Full dummy trim
Knob/lever on both sides fixed by mounting bar.

L9175
Half dummy trim with lock case
Fixed knob/lever on one side inoperable. Includes lock case and armored front. Options same as L9176 below.

L9176
Full dummy trim with lock case*
Fixed knob/lever on both sides. Includes lock case and blank armor front. May be ordered with optional XL11-743 armored front with cutout to receive deadbolt.

*In a double-door application where the dummy will be used as the strike order 10-091 Armored Front Strike separately.
## Lock functions

### Single cylinder non-deadbolt functions

<table>
<thead>
<tr>
<th>Schlage</th>
<th>ANSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>L9050</td>
<td>F04</td>
</tr>
<tr>
<td>LV9050</td>
<td></td>
</tr>
</tbody>
</table>

### 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 closed. Inside liner is always free for immediate egress.

### L9056
- LV9056

### 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 closed. Inside lever is always free for immediate egress.

### L9070
- LV9070

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

### L9076
- LV9076

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

### L9080
- LV9080

### Storeroom lock
- Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever is always inoperative. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress.

### Schlage ANSI

<table>
<thead>
<tr>
<th>L9080EL</th>
<th>LV9080EL</th>
</tr>
</thead>
</table>

### Electrically locked (fail safe)
- Outside knob/lever continuously locked by 24V AC or DC. Latchbolt retracted by key outside or by knob/lever inside. Switch or power failure allows outside knob/lever to retract latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. Inside knob/lever always free for immediate exit. Inside lever is always free for immediate egress.

### L9080EU
- LV9080EU

### Electrically unlocked (fail secure)
- Outside knob/lever unlocked by 24V AC or DC. Latchbolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress.

### L9080EL-RX / LV9080EL-RX
- L9080EU-RX / LV9080EU-RX

### Request to exit (RX) electrified lock
- Same as L9080EL and L9080EU functions. In addition, a micro-switch positioned inside the lock case monitors the retractor crank, and is actuated when rotation of the inside or outside knob/levers rotates the retractor hub. The switch signals the use of that opening to security systems, allowing a non-disruptive means of immediate egress. Specify per L283-263 with L functions, specify L283-239 with L V functions. Inside lever is always free for immediate egress.
Lock functions
Single cylinder deadbolt functions

Schlage   ANSI
L9453     F20
LV9453

Entrance lock
Latchbolt retracted by knob/lever from either side unless outside is locked by 20° rotation of thumbturn. Deadbolt thrown or retracted by 90° rotation of thumbturn. When locked, key outside or knob/lever inside retracts deadbolt and latchbolt simultaneously. Outside knob/lever remains locked until thumbturn is restored to vertical position. Throwing deadbolt automatically locks outside knob/lever. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress.

Schlage   ANSI
L9456     F13
LV9456

Corridor lock
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by key outside or inside thumbturn. Throwing deadbolt locks outside knob/lever. Turning inside knob/lever simultaneously retracts deadbolt and latchbolt and unlocks outside knob/lever. Inside lever is always free for immediate egress.

L9465

Closet/storeroom lock
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by key outside.

L9473     F21
Dormitory/bedroom lock
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by key outside or thumbturn inside.

L9480     LV9480
Storeroom lock with deadbolt
Latchbolt retracted by key outside or by lever or knob inside. Outside knob/lever always fixed. Deadbolt thrown or retracted by key outside or thumbturn inside. Turning inside knob/lever simultaneously retracts both deadbolt and latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress. (Previously XL11-591)

L9485 x L583-375
LV9486 x L583-375
L9486 with “occupied” indicator
Latchbolt retracted by key outside or by knob/lever inside. Outside knob/lever always fixed. Deadbolt thrown or retracted by key outside or thumbturn. When deadbolt is thrown “occupied” plate is displayed and all keys become inoperative except emergency keys. Turning inside knob/lever simultaneously retracts both deadbolt and latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress. (Previously XL11-885)

L9485 x XL11-557
Prison function lock
Latch retracted by key outside or knob inside. Outside knob/lever always free spinning. Deadbolt only thrown or retracted by guard’s key. Inside knob becomes fixed when deadbolt is thrown. Prisoner’s key only retracts latchbolt. Furnished standard with tamper-resistant Torx screws. Specify per XL11-557.

L9496
Privacy with “occupied” indicator
Knob/lever retracts latchbolt from either side. Deadbolt thrown or retracted by key outside (retraction by key required in the event of an emergency) or inside thumbturn. Throwing deadbolt locks outside knob/lever and displays “Occupied” plate. Rotating inside knob/lever simultaneously retracts both deadbolt and latchbolt, and unlocks outside knob/lever. Inside lever is always free for immediate egress. (Previously XL11-885)

* In a double-door application where the dummy will be used as the strike order 10-091 Armored front strike separately.
Lock functions
Double cylinder non-deadbolt functions

Schlage  ANSI
L9060  F09  LV9060
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 closed. Inside lever is always free for immediate egress.

L9071  LV9071
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 key outside or knob/lever inside. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever is always free for immediate egress.

L9077  LV9077
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 closed. Depress inside knob/lever and turn key 360° for holdback feature. Inside lever is always free for immediate egress.

L9082  F30  LV9082
Institution lock
Latchbolt retracted by key from either side. Knob/lever on both sides always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.

L9082EL  L9082EU
L9082 electrically locked or electrically unlocked both sides*
EL: Outside and inside knob or lever continually locked electrically. Latchbolt retracted by key either side. Switch or power failure allows outside and inside knob/lever to retract latchbolt. Auxiliary latch deadlocks latchbolt when door is closed. EU: Outside and inside knob/lever unlocked electrically. Latchbolt retracted by key either side. Switch or power failure keeps inside and outside knob/lever locked. Auxiliary latch deadlocks latchbolt when door is closed. (Previously XL11-452)

Lock functions
Double cylinder deadbolt functions

Schlage  ANSI
L9457  LV9457
Classroom security lock with deadbolt
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by key from either side. Throwing deadbolt locks outside knob/lever. Turning inside knob/lever simultaneously retracts deadbolt and latchbolt, and unlocks outside knob/lever. Inside lever is always free for immediate egress.

L9466  F14
Store/utility room lock with deadbolt*
Latchbolt retracted by knob/lever from either side. Deadbolt thrown or retracted by key from either side.

L9482  XL11-943  LV9482  XL11-943
Institution lock with deadbolt*
Latchbolt retracted by key from either side. Knob/lever on both sides always inoperative. Auxiliary latch deadlocks latchbolt when door is closed. Specify per XL11-543.

L9082 F30  LV9082
Institution lock
Latchbolt retracted by key from either side. Knob/lever on both sides always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.

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

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

Full mortise deadlocks

Schlage  ANSI
L9460  F17
Cylinder x thumbturn lock
Deadbolt thrown or retracted by key outside or thumbturn inside.

L9462  F16
Double cylinder lock*
Deadbolt operated by key from either side.

L9463
Classroom lock
Deadbolt thrown or retracted by key from outside. Inside thumbturn cylinder retracts deadbolt, but cannot project it.

L9464  F18
Cylinder lock
Deadbolt thrown or retracted by key from one side. No trim on opposite side.

L9460 x XL11-635
L9460 with pull
Knob/lever both sides fixed. Deadbolt thrown or retracted by key outside or thumbturn inside.

L9460 x XL11-886
Single cylinder deadlock with pull
Deadbolt thrown or retracted by key outside or thumbturn inside. No latch, but inside knob or lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.

L9462 x XL11-886
Double cylinder deadlock with pull*
Deadbolt thrown or retracted by key from either side. No latch, but inside knob/lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.

L9464 x XL11-886
Deadlock with pull
Deadbolt thrown or retracted by key from one side. No latch, but inside knob/lever is spring-loaded. Rotating inside knob/lever also retracts deadbolt. Fixed outside knob/lever.

Lock functions

Small mortise deadlocks

Schlage  ANSI
L460  E06071
Cylinder x thumbturn lock
Deadbolt thrown or retracted by key outside or thumbturn inside.

L462  E06061
Double cylinder lock*
Deadbolt operated by key from either side.

L463  E06091
Classroom lock
Deadbolt thrown or retracted by key from outside. Inside thumbturn cylinder retracts deadbolt, but cannot project it.

L464  E06081
Cylinder lock
Deadbolt thrown or retracted by key from one side. No trim on opposite side.

L480
Door bolt
Deadbolt thrown or retracted by thumbturn from one side. No trim on opposite side.

L496
Deadbolt with “occupied” indicator
Deadbolt thrown or retracted by key outside or thumbturn inside. When deadbolt is thrown “Occupied” plate is displayed. (Previously XL11-911)
Schlage L Series universal transformation instructions

The L9050 universal case can be transformed into nine different functions* with just a few additional parts. For some functions, additional parts are not necessary.

<table>
<thead>
<tr>
<th>ANSI function</th>
<th>Function type</th>
<th>Function description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F04</td>
<td>L9050 (w/thumbturn) office</td>
<td>Latchbolt operated by lever either side except when outside lever is made inoperative by a stop or other mechanical means other than key. When outside lever is locked, latchbolt is retracted by key from outside or by operating inside lever. Auxiliary deadlatch.</td>
</tr>
<tr>
<td>F01</td>
<td>L9010 passage</td>
<td>Latchbolt operated by lever from either side at all times.</td>
</tr>
<tr>
<td>F05</td>
<td>L9070 classroom</td>
<td>Latchbolt operated by lever either side except when outside lever is locked from outside by key or push button mechanism. When outside is locked latchbolt is retracted by key or by operating key or push button, and outside lever from outside or by operating inside lever. Auxiliary deadlatch.</td>
</tr>
<tr>
<td>F07</td>
<td>L9080 storeroom</td>
<td>Latchbolt operated by key outside or by operating inside lever. Outside lever always inoperative. Auxiliary deadlatch.</td>
</tr>
<tr>
<td>F09</td>
<td>L9060 apartment entrance</td>
<td>Latchbolt operated by lever either side, except when made inoperative by key from inside. When outside is locked latchbolt is retracted by key from outside or by operating inside lever. Auxiliary deadlatch.</td>
</tr>
<tr>
<td>F31</td>
<td>L9080 (less outside cylinder) exit or communicating</td>
<td>Latchbolt operated by inside lever. Non-removable blank trim or no trim outside.</td>
</tr>
<tr>
<td>F32</td>
<td>L9071 classroom security</td>
<td>Latchbolt retracted by lever either side except when outside lever is locked by key from inside or outside. When outside lever is locked latchbolt is retracted by key either side or by inside lever. Auxiliary deadlatch.</td>
</tr>
<tr>
<td></td>
<td>L9080 (less outside lever) service</td>
<td>Latchbolt operated by key outside or by operating inside lever. No outside lever. Auxiliary deadlatch.</td>
</tr>
<tr>
<td></td>
<td>L9080 (less inside trim) utility</td>
<td>Latchbolt retracted by key outside; outside lever always inoperative. No inside trim. Auxiliary deadlatch.</td>
</tr>
<tr>
<td></td>
<td>L9070 (less inside trim) closet</td>
<td>Latchbolt operated by lever on outside except when outside lever is locked from outside by key. When outside is locked latchbolt is retracted by key or by operating key from outside lever. Auxiliary deadlatch.</td>
</tr>
</tbody>
</table>

* Assumes Everest cylinders and L9050 as base function (L283-133 chassis/L9050LB distributor lock case) — only applies to sectional trim (not escutcheon).
<table>
<thead>
<tr>
<th>Transformation instructions</th>
<th>Additional part(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install cloverleaf cam cylinder on outside; install thumbturn assembly 09-509-027 on inside.</td>
<td>No additional parts required.</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside or cylinder outside. Install chassis in the unlocked position.</td>
<td>No additional parts required.</td>
</tr>
<tr>
<td>Install cloverleaf cam cylinder on outside: do not install thumbturn assembly 09-509-027 on inside.</td>
<td>No additional parts required.</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside. Install chassis in the locked position. Replace cloverleaf cam L583-153 with straight cam B502-948 (Everest), L583-255 with K510-680 (IC and SFIC) and install on outside.</td>
<td>Cams B502-948 (Everest), K510-680 (IC and SFIC) or L583-476 or L583-477 for modular cylinders</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside. Install chassis in the locked position. Install inside lever with L285-150 mounting plate; do not install outside lever or cylinder.</td>
<td>Mounting plate L283-150</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside. Install cloverleaf cam cylinder on inside and outside.</td>
<td>Mortise cylinder assembly and cam L583-153</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside. Install chassis in the locked position. Replace cloverleaf cam L583-153 with straight cam B502-948 (Everest), L583-255 with K510-680 (IC and SFIC) and install on outside. Install inside lever with L285-150 mounting plate; do not install outside lever.</td>
<td>Cams B502-948 (Everest), K510-680 (IC and SFIC), mounting plate L283-150 or L583-476 or L583-477 for modular cylinders</td>
</tr>
<tr>
<td>Do not install thumbturn unit 09-509-027 on inside. Install chassis in the locked position. Replace cloverleaf cam L583-153 with straight cam B502-948 (Everest), L583-255 with K510-680 (IC and SFIC) and install on outside. Install inside lever on outside with L283-150 mounting plate; do not install inside lever.</td>
<td>Cams B502-948 (Everest), K510-680 (IC and SFIC), mounting plate L283-150 or L583-476 or L583-477 for modular cylinders</td>
</tr>
<tr>
<td>Install cloverleaf cam cylinder on outside; do not install thumbturn assembly 09-509-027 on inside. Install inside trim on outside with L283-150 mounting plate.</td>
<td>Mounting plate L283-150</td>
</tr>
</tbody>
</table>
Electrified lock function

Applications:
Security control centers, cashier rooms, fire safety exits, stairwell doors, telephone equipment rooms, computer rooms, hospital equipment and narcotics storage areas.

Regulating devices:
Recognition Systems, Inc., Hand Readers, wall switches, security consoles, access card readers, thermo-sensitive devices, smoke and fire alarms, telephone access controls, automatic time devices and computerized controls.

All installations should be in accordance with local electrical codes and National Electrical Code, NFPA 70.

Electrical Requirements for EL or EU
Voltage: 24V AC or 24V DC (maximum 26V, minimum 22V)
Peak current: Amps 1.3 at 5- to 10-second intervals
Holding current: Amps .135 between peak current intervals
Operating temperature: Maximum +151° F, minimum -31° F

Micro switch electrical requirements for Request to Exit (RX) function
Amps: 1.0
Volts: 24 AC or DC
Peak load: Amps, 5; volts, 250 AC or DC

Replacement kit
L283-053 – Solenoid and driver, EL or EU

Typical wiring diagram for electrified L Series locks

Typical installation
- Electrified L Series locks contain a transistorized circuit that provides full voltage to the solenoid upon initial application of electrical power and at 5- to 10-second intervals.
- Each lock should preferably have its own 24-volt transformer. Two or more locks may be operated in parallel from a single transformer, provided it has the necessary current rating.

Note: DO NOT connect locks in series from a higher voltage rated transformer.

- We DO NOT recommend that these locks be connected to a supply circuit that also contains electromagnetic devices. If an electromagnetic device is connected to the supply circuit, the resulting transient voltages could damage the lock. The transient voltage must be carefully suppressed at the equipment producing them before connecting the lock to the same circuit.
- A varistor rated at 35 volts (peak recurrent) may be used for transient voltage protection.
Cylinder types

**Standard cylinders**
Schlage locks are provided with cylinders precision-built to extremely close tolerances and the highest standards of accuracy. Using only solid brass bar stock plugs and shells, phosphor bronze springs, and nickel silver keys and bottom pins ensures long life and ease of operation. Our 6-pin Everest cylinders in C123 keyway with two patented keys are standard for stock. C145 is standard for new master key systems.

**Primus® high security cylinders**
Primus high-security cylinders are available to add patented key control and varying degrees of geographical exclusivity to most Schlage 6-pin key systems, whether Everest or Classic keyways. In addition to a conventional pin tumbler mechanism, Primus cylinders incorporate a patented finger pin and sidebar design, providing a “dual-locking” cylinder that is virtually pick-proof. Resistance to drilling and other physical attack is optional by specifying 20-500 Series UL437 Listed cylinders.

**Primus lockout cylinders**
For doors where it is frequently desirable to disable all keys from operating the lock temporarily use lockout cylinders. The special lockout key can be removed while the plug is turned to the 11 o’clock position, preventing all normal operating keys, including master keys, from fully entering the cylinder.

Suggested applications for lockout cylinders include laboratories, dark rooms, clean rooms and exterior doors to dormitories.

Schlage will not master key lockout cylinders.
# Standard (non-IC) cylinders

## Standard (non-IC) mortise cylinders

<table>
<thead>
<tr>
<th>Design</th>
<th>Function</th>
<th>Cylinder mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conventional</td>
</tr>
<tr>
<td><strong>L &amp; N escutcheons</strong></td>
<td>All except below</td>
<td>30-021</td>
</tr>
<tr>
<td><strong>(cylinders and spring only)</strong></td>
<td><strong>L9060P outside</strong></td>
<td>26-021</td>
</tr>
<tr>
<td><strong>L9485, L9486</strong></td>
<td><strong>hotel functions</strong></td>
<td>30-022&quot;</td>
</tr>
<tr>
<td><strong>L escutcheon</strong></td>
<td>all except below</td>
<td>30-004</td>
</tr>
<tr>
<td><strong>with concealed shell cylinder</strong></td>
<td><strong>(C suffix)</strong></td>
<td>26-023</td>
</tr>
<tr>
<td><strong>L9485, L9486</strong></td>
<td><strong>hotel functions</strong></td>
<td>30-005&quot;</td>
</tr>
<tr>
<td><strong>Sectional trim</strong></td>
<td>all except below</td>
<td>30-001</td>
</tr>
<tr>
<td><strong>and L400 Series</strong></td>
<td><strong>(cylinder with compression ring &amp; spring)</strong></td>
<td>20-001</td>
</tr>
<tr>
<td><strong>(cylinder with compression ring &amp; spring)</strong></td>
<td><strong>L9060P outside</strong></td>
<td>30-002&quot;</td>
</tr>
</tbody>
</table>

* Specify door hand for hotel function cylinders.
** Discard compression ring for Lockout cylinders with escutcheon trim.

---

Finishes: 605, 606, 611, 612, 613, 619, 625, 626, 629 and 630.
Concealed shell cylinders available in 606 and 626 only.
6-pin Everest C123 keyway standard for stock cylinders; C145 standard for new key systems.
Standard cylinder lengths: sectionals (rose) trim = 1/8" (29 mm), escutcheon trim = 1/4" (32 mm).
Optional cylinder lengths are in 1/8" (4 mm) increments ranging from 1/8" to 1/4" (29 mm to 44 mm).
**Full-size interchangeable core (FSIC) cylinders**

Schlage figure-8 interchangeable core (IC) cylinders allow immediate rekeying at the door. Simply use the special control key to replace the core in seconds. Full-size IC cylinders can be integrated into any existing 5- or 6-pin Schlage key system with no adverse effects on keying capacity. Convert existing mortise locks to interchangeable core merely by replacing the old cylinder with the IC cylinder and proper collar(s).

For ordering information see page 35.

### Full-size IC mortise cylinders

<table>
<thead>
<tr>
<th>Design</th>
<th>Function</th>
<th>Core mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conventional</td>
</tr>
<tr>
<td>L &amp; N Escutcheons (cylinders with compression ring)</td>
<td>All except below</td>
<td>30-008</td>
</tr>
<tr>
<td></td>
<td>L9060P outside</td>
<td>30-030</td>
</tr>
<tr>
<td></td>
<td>L9485P, L9486P hotel functions</td>
<td>30-010*</td>
</tr>
<tr>
<td>Sectional Trim and L400 Series (cylinder with compression ring, spring and 3/8” blocking ring)</td>
<td>All except below</td>
<td>30-138</td>
</tr>
<tr>
<td></td>
<td>L9060P outside</td>
<td>20-061</td>
</tr>
<tr>
<td></td>
<td>L9485P, L9486P hotel functions</td>
<td>30-140*</td>
</tr>
</tbody>
</table>

* Hotel function cores are handed. Specify hand of door. Finishes: 605, 606, 611, 612, 613, 619, 625, and 626. Standard cylinder length is 1 1/2”.

### Full size interchangeable cores only

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-030</td>
<td>Conventional core</td>
</tr>
<tr>
<td>20-740</td>
<td>Primus high-security core</td>
</tr>
<tr>
<td>30-120</td>
<td>Hotel function core (specify hand of door)</td>
</tr>
</tbody>
</table>

Available 606 and 626 finish only.
Standard keyway: 6-pin Everest C123 for stock, C145 for new master key systems
Small format interchangeable core (SFIC) cylinders

The L Series lockset can be ordered to accept small format interchangeable cores (SFIC) compatible with manufacturers such as Falcon, Arrow and Best; cams are easily changeable.

To order Schlage L Series mortise locks with SFIC cylinders less core, change suffix P to BD. Example: L9453BD.

To order locks with Everest B Family restricted keyway cores, change suffix to GD. To order with keyed construction cores, change suffix to HD. To order with disposable construction cores, change suffix to BDC.

For ordering information see page 35.

### Standard (Non-IC) mortise cylinders

<table>
<thead>
<tr>
<th>Design</th>
<th>Function</th>
<th>Core mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Everest restricted</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Keyed construction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Disposable construction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Housing less core</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(GD suffix)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(HD suffix)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(BDC suffix)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(BD suffix)</td>
</tr>
<tr>
<td>L &amp; N escutcheons</td>
<td>All* except L9060 outside</td>
<td>80-308</td>
</tr>
<tr>
<td>(cylinders with compression</td>
<td>L9060 outside</td>
<td>80-138</td>
</tr>
<tr>
<td>ring and spring)</td>
<td></td>
<td>80-115</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80-108</td>
</tr>
<tr>
<td>Sectional trim</td>
<td>All* except L9060 outside</td>
<td>30-030</td>
</tr>
<tr>
<td>and L400 Series</td>
<td></td>
<td>20-782</td>
</tr>
<tr>
<td>(cylinder with compression</td>
<td></td>
<td>30-032 + 36-083</td>
</tr>
<tr>
<td>ring, spring and 1/4&quot;</td>
<td>L9060 outside</td>
<td>80-104</td>
</tr>
<tr>
<td>blocking ring)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Finishes: 605, 606, 611, 612, 613, 619, 625, and 626.
Standard cylinder length is 1 7/8".

### Small format interchangeable core (SFIC) only

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-036</td>
<td>7-pin uncombined Everest B Family restricted keyways</td>
</tr>
<tr>
<td>80-037</td>
<td>7-pin combined Everest B Family restricted keyways</td>
</tr>
<tr>
<td>80-043</td>
<td>6-pin uncombined Falcon / Best keyways</td>
</tr>
<tr>
<td>80-033</td>
<td>7-pin uncombined Falcon / Best keyways</td>
</tr>
</tbody>
</table>

Available 606 and 626 finish only. Specify keyway for existing systems. 80-033 and 80-043 cores are available in A, D, E, F, G, H, J, K, L, and M keyways. Schlage assigns the keyway when establishing new Everest restricted key systems.
### Blocking and compression rings

#### Blocking ring length and dimension

<table>
<thead>
<tr>
<th>Blocking ring length</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>012</td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>018</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>025</td>
</tr>
<tr>
<td>5/32&quot;</td>
<td>031</td>
</tr>
<tr>
<td>7/32&quot;</td>
<td>037</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>043</td>
</tr>
</tbody>
</table>

#### Full-size interchangeable (FSIC) core blocking ring requirements

<table>
<thead>
<tr>
<th>Function</th>
<th>Trim</th>
<th>Door thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/16&quot; 1/8&quot; 3/8&quot; 5/16&quot;</td>
</tr>
<tr>
<td>L9050, L9070, L9080, L9410 (disc), L9453, L9456, L9460 per XL11-886 or XL11-635, L9464 per XL11-886, L9465, L9473, L9480, L9496</td>
<td>Rose</td>
<td>050 037 025 025</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>025 012 N/R N/R</td>
</tr>
<tr>
<td>L9485</td>
<td>Rose</td>
<td>— 037 025 025</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>— 012 N/R N/R</td>
</tr>
<tr>
<td>L9486</td>
<td>Rose</td>
<td>012 N/R N/R N/R</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>025 012 N/R N/R</td>
</tr>
<tr>
<td>L9060, L9071, L9077, L9082, L9457, L9462 per XL11-886, L9466, L9482</td>
<td>Rose</td>
<td>— 050 043 031</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>025 012 N/R N/R</td>
</tr>
<tr>
<td>L460, L464, L496, L9460, L9464</td>
<td>Rose trim</td>
<td>050 037 025 025</td>
</tr>
<tr>
<td>L462, L463, L9462, L9463</td>
<td>Rose trim</td>
<td>— 050 043 031</td>
</tr>
</tbody>
</table>

#### Small format interchangeable core (SFIC) blocking ring requirements

<table>
<thead>
<tr>
<th>Function</th>
<th>Trim</th>
<th>Door thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/16&quot; 1/8&quot; 3/8&quot; 5/16&quot;</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>N/R N/R N/R N/R</td>
</tr>
<tr>
<td>L9050, L9060, L9070, L9080, L9082, L9410 (disc), L9453, L9456, L9460 per XL11-886 or XL11-635, L9464 per XL11-886, L9465, L9473, L9480, L9496</td>
<td>Rose</td>
<td>— 050 037 025</td>
</tr>
<tr>
<td></td>
<td>Escutcheon</td>
<td>018 N/R N/R N/R</td>
</tr>
<tr>
<td>L460, L464, L496, L9460, L9464</td>
<td>Rose trim</td>
<td>037 025 012 N/R</td>
</tr>
<tr>
<td>L462, L463, L9462, L9463</td>
<td>Rose trim</td>
<td>— 050 037 025</td>
</tr>
</tbody>
</table>
Classroom thumbturn cylinders

These cylinders are for L463 and L9463 classroom function deadlocks. They are handed. They have a rotational stop in one direction to prevent locking from the inside, but allow unlocking. Cylinders are field-reversible by changing the position of the rotational stop. All cylinders furnished with L583-254 cam.

<table>
<thead>
<tr>
<th>Number</th>
<th>Collar(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09-900</td>
<td>None</td>
</tr>
<tr>
<td>09-904</td>
<td>Compression ring and spring</td>
</tr>
<tr>
<td>09-905</td>
<td>For 1½&quot; doors: compression ring, spring and ⅛&quot; blocking ring</td>
</tr>
<tr>
<td>09-907</td>
<td>For 1½&quot; doors: compression ring, spring and ⅛&quot; blocking ring</td>
</tr>
</tbody>
</table>

Specify hand of door and finish. 1½" length standard. 09-900 and 09-905 also available in ⅛" increments up to 1½".

Mortise cylinder cams

Most functions
L400 and L9000 Series

L583-153 Everest and Primus
L583-254 classic conventional
L583-255 all IC

L9060 outside only

B502-948 Everest and Primus
B502-191 classic conventional
K510-680 all IC

Cams screws

B502-942 Everest and Primus (non-IC)
B502-468 Classic Conventional (non-IC)
L583-333 All full-size interchangeable core
B520-484 All small format interchangeable core

IC installation tool

This tool is used to install and remove mortise cylinder housings and test mortise cylinder cam action for both small format and full-size interchangeable core cylinders. Its other ends are designed to install the driver and retainer for full-size IC in Schlage key-in-knob/lever locksets.

MS04-413 (Order as needed)
Armored fronts

L Series armored fronts are produced from brass, bronze or stainless steel material, finished to match lock trim and furnished complete with screws. Numbers for ordering separately or with locks are listed below. Armored fronts are specified in latch column of order form.

![Standard square corner 1/4” (32 mm) width](image)

<table>
<thead>
<tr>
<th>Square corner</th>
<th>1/4” (32mm) width</th>
<th>1/8” (27mm) Width</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>09-662</td>
<td>09-668</td>
<td></td>
<td>Latch: L9010, 9040, 9044</td>
</tr>
<tr>
<td>09-663</td>
<td>09-669</td>
<td></td>
<td>Deadlatch: L9050, 9056, 9060, 9070, 9071, 9080, 908</td>
</tr>
<tr>
<td>09-664</td>
<td>09-670</td>
<td></td>
<td>Latch x deadbolt: L9444, 9456, 9457, 9465, 9466, 9473, 9496</td>
</tr>
<tr>
<td>09-665</td>
<td>09-671</td>
<td></td>
<td>Deadbolt: L9460, 9462, 9463, 946</td>
</tr>
<tr>
<td>09-666</td>
<td>09-662</td>
<td></td>
<td>Deadlatch x deadbolt: L9453, 9480, 9485, 948</td>
</tr>
<tr>
<td>09-661</td>
<td>09-667</td>
<td></td>
<td>Blank (no holes): L9175, L917</td>
</tr>
<tr>
<td>09-713</td>
<td></td>
<td></td>
<td>Deadlatch, non-UL: L9076, 9077 (holdback functions)</td>
</tr>
<tr>
<td>09-717</td>
<td></td>
<td></td>
<td>Deadbolt: L400-Series</td>
</tr>
</tbody>
</table>

Note: For 11/8” (35mm) doors, 1/8” (27mm) front should be specified.
Strikes

All L Series strikes are produced from brass, bronze or stainless steel material, finished to match lock trim, and furnished complete with screws. Numbers for ordering separately or with locks are listed below.

<table>
<thead>
<tr>
<th>Number</th>
<th>Lip Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-072</td>
<td>11⁄16&quot; (30mm)</td>
<td>L9000 standard</td>
</tr>
<tr>
<td></td>
<td>7⁄8&quot; (22mm), 1&quot; (25mm), 11⁄2&quot; (38mm)</td>
<td>L9000 optional</td>
</tr>
<tr>
<td></td>
<td>13⁄4&quot; (44mm), 2&quot; (51mm)</td>
<td>L9000 special lip</td>
</tr>
<tr>
<td>10-073</td>
<td>No lip</td>
<td>L9460 Series deadlocks</td>
</tr>
<tr>
<td>10-075</td>
<td>No lip</td>
<td>1⁄2&quot; (13mm) rabbeted (use with 11⁄16&quot; (27mm) armor)</td>
</tr>
<tr>
<td>10-078</td>
<td>No lip</td>
<td>11⁄4&quot; x 41⁄4&quot; with box, L400 optional</td>
</tr>
<tr>
<td>10-079</td>
<td>No lip</td>
<td>11⁄4&quot; x 31⁄2&quot; with box, L400 standard</td>
</tr>
<tr>
<td>10-091*</td>
<td>11⁄16&quot; (30mm)</td>
<td>Armored front strike, no box</td>
</tr>
<tr>
<td>K510-053</td>
<td>---</td>
<td>Strike box for 10-079</td>
</tr>
<tr>
<td>K10-066</td>
<td>---</td>
<td>Strike box, all except 10-079</td>
</tr>
</tbody>
</table>

*Specify hand of inactive leaf.
Door handing

One of the revolutionary features of the L Series mortise lock is that handing can be done by the distributor or installer quickly and easily without opening the lock case. This feature allows a Schlage distributor to order L Series locks as stock and customize the handing to each order's specification. This means off-the-shelf delivery to meet today's fast-track construction requirements. These mix-and-match lever-with-knob combinations, along with a quickly reversible lock chassis, provide the ultimate in stocking, ordering and installation flexibility. Orders can be filled from stock, minimizing delivery problems.

Changing lock hand

No more than two simple steps are required to change the hand of any L Series lock. Rotate the latch unit 180° and/or change the catch screw position.

A. Changing latchbolt handing
Remove armored front. Pull latchbolt away from chassis and rotate complete unit 180° to reverse the door handing. Reinstall armored front.

B. Change chassis handing
Remove catch screw from one side of chassis and install on opposite side. For RH and RR, the catch screw will be on the lock case side. For LH and LR, the catch screw will be on the lock case cover.

*Catch screw location reversed for Vandigard function. For first time users, an instructional video is available.
Specifications

Handing:
L9000 Series lock bodies are field-reversible without disassembly. L400 Series locks are non-handed.

Door thickness:
1 1/4" (44 mm) standard. 1 1/8" (35 mm) to 2 1/8" (64 mm) optional. Over 2 1/8" (64 mm) door ranges vary by function. No escutcheon available for 1 1/4" (44 mm) doors standard. 2" to 2 7/8" (51 mm to 60 mm) optional. Specify door thickness if other than 1 1/4".

Backset:
2 1/4" (70 mm) only.

Armored front:
L9000 Series: 1 1/4" x 8" x 1/32" (32 mm x 203 mm x 6 mm) standard. 1 1/8" x 8" x 1/32" (27 mm x 203 mm x 6 mm) optional. L400 Series: 4 1/8" x 3 1/8" x 1" (113 mm x 92 mm x 25 mm)

Case size:
L9000 Series: 4 1/16" x 6 1/8" x 1" (113 mm x 154 mm x 25 mm) L400 Series: 4 1/16" x 3 1/8" x 1" (113 mm x 92 mm x 25 mm)

Spacing:
Knob or lever to cylinder, 3 3/8" (98 mm); knob or lever to thumbturn hub, 2 7/8" (68 mm).

Bolts:
1" (25 mm) throw stainless steel deadbolt and 3/4" (19 mm) throw stainless steel latch with anti-friction tongue.

Exposed trim:
Knobs: #41 and #42 heavy-duty wrought brass, bronze or stainless steel knobs match D Series knobs.
Levers: Forged brass or bronze and cast stainless steel. Designs available to match D Series levers.
93 Lever design: Extruded brass, bronze or stainless steel.
Mediterranean designs: Forged-brass lever and rose.
Escutcheons: L escutcheons are cold-forged brass or bronze and stainless steel. N escutcheons are heavy wrought reinforced brass, bronze and stainless steel.

Trim combinations: Available with knob both sides, lever both sides, or knob and lever with rose or escutcheon both sides.

Strike:
L9000 Series: ANSI curved lip strike 1 1/4" x 4 7/8" (32 mm x 124 mm) x 1 1/8" (30 mm) lip to center with dust box standard. L400 Series: 1 1/8" x 3 7/8" (29 mm x 92 mm) with dust box.

Cylinder & keys:
6-pin Everest C123 keyway cylinder with two patented keys standard.

Keying options:
Interchangeable core and Primus high security cylinders. Master keying, grand master keying and construction keying.

Certifications

ANSI:

California State Reference Code:
(Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" of door face.

UL / cUL:
All locks listed for A label single doors, 4' by 10'. Letter F and UL symbol on latch front indicate listing. Electrified functions are UL19X Listed for single-point locking applications. UL437 Listed locking cylinder optional: specify Primus 20-500 Series cylinder.

Door preparation for L9000 Series

Door preparation for L400 Series
How to order

To order Schlage products, descriptive data should be in the same sequence as shown.

<table>
<thead>
<tr>
<th>Line item</th>
<th>Qty</th>
<th>Product</th>
<th>Outside Des</th>
<th>Inside Des</th>
<th>Hand</th>
<th>Front</th>
<th>Strike</th>
<th>Door thickness</th>
<th>Ext</th>
<th>Dim</th>
<th>Additional details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**To order cylinder options, change “P” at the end of the model number as follows:**

- **L9453P** Standard
- **L9453L** Less standard cylinder. For Primus cylinder, specify this option and order Primus cylinder separately.
- **L945C** With temporary plastic construction cylinder. Double cylinder functions ordered less cylinder are furnished with these construction cylinders to maintain timing of key cams.
- **L9453J** Prepared for full size interchangeable core, less core. For Primus core, specify this option and order Primus core separately.
- **L9453R** With full-size conventional interchangeable core installed. Order control keys separately.
- **L9453T** With full-size (temporary) construction core installed. Order all keys separately.
- **L9453BD** Prepared for small format (Falcon, Best, etc.) interchangeable core (SFIC), less core.
- **L9453GD** With Everest B Family restricted keyway small format core installed. Order control keys separately.
- **L9453HD** With small format keyed brass construction core installed. Order all keys separately.
- **L9453BDC** With small format disposable plastic construction core installed.

**Outside design / finish.** Specify tactile warning (knurling) here as “8” before lever design, e.g. 803. To specify complete design, combine the numeric knob or lever design with the alpha rose or escutcheon design. Example: 03L, 93A, 42B. When ordering Mediterranean design levers with L escutcheons, specify AST/00L, AVA/00L or MER/00L.

**Inside design/finish.** Leave blank if same as outside.

**Hand.** One hand per line item.

**Front (use “Strike” field on Schlage form).** Leave blank for standard armored front or enter number for narrow front.

**Strike.** Leave blank for standard or specify part number for optional strike. LLL = Less strike.

- 100 = 1”
- 118 = 11⁄8”
- 114 = 1½”
- 112 = 1¾”
- 138 = 1¼”
- 134 = 1½”
- 200 = 2”

**Door thickness, if non-standard.** Example: 200 = 2”.

**Extension,** to specify whether thick door is extended inside (EI), outside (EO), differently (ED) or equally (EE).

**Dimension for strike lip lengths.** See strike page for availability of specific dimensions with specific strikes.

**Keying detail (e.g. key symbol, keyway, bitting) and other special requirements.**

**Example**

<table>
<thead>
<tr>
<th>Line item</th>
<th>Qty</th>
<th>Product</th>
<th>Outside Des</th>
<th>Inside Des</th>
<th>Hand</th>
<th>Front</th>
<th>Strike</th>
<th>Door thickness</th>
<th>Ext</th>
<th>Dim</th>
<th>Additional details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>50</td>
<td>L9453P</td>
<td>03A</td>
<td>626</td>
<td>RH</td>
<td></td>
<td>10-091</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>50</td>
<td>L9453P</td>
<td>03A</td>
<td>626</td>
<td>LH</td>
<td></td>
<td>10-091</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>10</td>
<td>L9040</td>
<td>03A</td>
<td>626</td>
<td>RH</td>
<td></td>
<td>138</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>L9040</td>
<td>03A</td>
<td>626</td>
<td>625</td>
<td>LH</td>
<td>09-668</td>
<td>138</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>50</td>
<td>L9456P</td>
<td>07L</td>
<td>626</td>
<td>625</td>
<td>RH</td>
<td>09-668</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>50</td>
<td>L9456P</td>
<td>07L</td>
<td>626</td>
<td>LH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Schlage order forms are available at no charge by contacting your Allegion security & safety consultant or customer service.
About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com