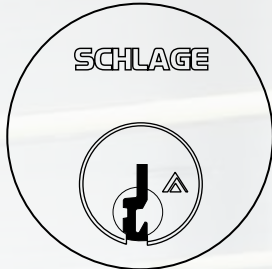# Cylinder Types

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.
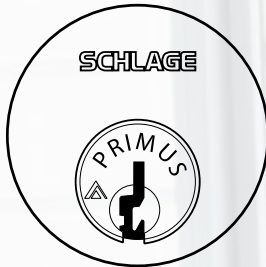
Primus® High Security Cylinders

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.
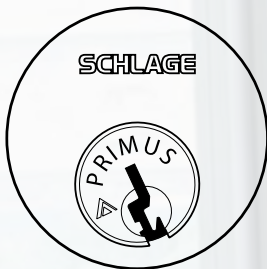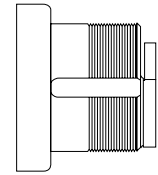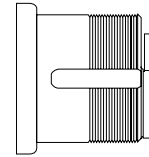
Primus Lockout Cylinders

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.
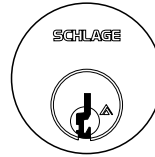
Standard (Non-IC) Cylinders
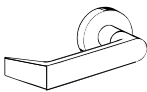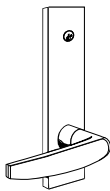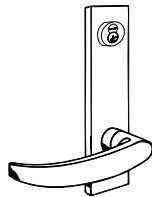
Standard (Non-IC) Mortise Cylinders

Design	Function	Cylinder Mechanism				
		Conventional	Primus	Primus UL437	Primus Lockout	Primus UL437 Lockout
L & N Escutcheons (cylinders and spring only)	All Except Below	30-021	20-793	20-593	20-717**	20-517**
	L9060P Outside	26-021	20-701	20-501	20-501	20-515**
	L9485, L9486 Hotel Functions	30-022*	N/A	N/A	N/A	N/A
L Escutcheon with concealed shell cylinder (C suffix)	All Except Below	30-004	20-789	20-589	N/A	N/A
	L9080P Outside	26-023	N/A	N/A	N/A	N/A
	L9485, L9486 Hotel Functions	30-005*	N/A	N/A	N/A	N/A
Sectional Trim and L400-Series (cylinder with compression ring & spring)	All Except Below	30-001	20-787	20-587	20-717	20-517
	L9060P Outside	20-001	20-700	20-500	20-715	20-515
	L9060P Outside	30-002*	N/A	N/A	N/A	N/A

 * 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 = $1^1/8$" (29 mm), escutcheon trim = $1^1/4$" (32 mm).
Optional cylinder lengths are in $1/8$" (4 mm) increments ranging from $1^1/8$" to $1^3/4$" (29 mm to 44 mm).
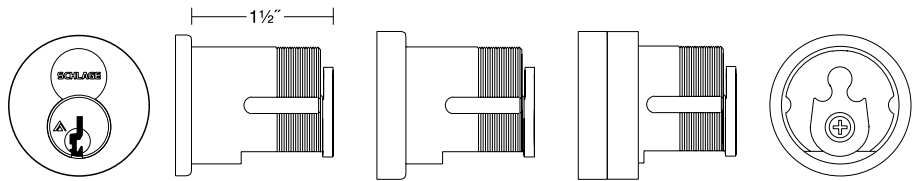
Full-Size Interchangeable Core Cylinders

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).

Full-Size IC Mortise Cylinders
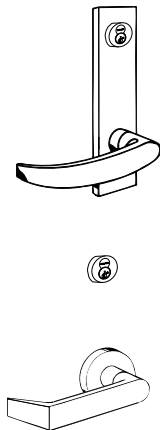
Design	Function	Core Mechanism		
		Conventional	Primus	Primus UL437
L & N Escutcheons (cylinders with compression ring)	All Except Below	30-008	20-798	30-007
	L9060P Outside	30-030	20-782	30-032 + 36-083
	L9485P, L9486P Hotel Functions	30-010*	N/A	30-007
Sectional Trim and L400-Series (cylinder with compression ring, spring and 3/8" blocking ring)	All Except Below	30-138	20-776	30-137
	L9060P Outside	20-061	20-783	30-032 + 36-083 + 35-082-037
	L9485P, L9486P Hotel Functions	30-140*	N/A	N/A

* Hotel function cores are handed. Specify hand of door. Finishes: 605, 606, 611, 612, 613, 619, 625, and 626. Standard cylinder length is $1\frac{1}{2}$".

Full Size Interchangeable Cores Only
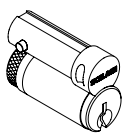
Number	Description
23-030	Conventional core
20-740	Primus high-security core
30-120	Hotel function core (Specify hand of door)

Available 606 and 626 finish only.
Standard keyway: 6-pin Everest C123 for stock, C145 for new master key systems
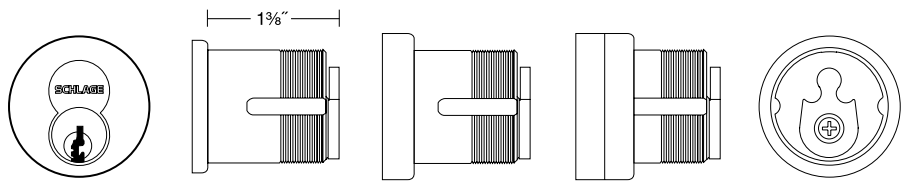
Small Format Interchangeable Core (SFIC) Cylinders

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.

Standard (Non-IC) Mortise Cylinders

| Design	Function	Core Mechanism			
		Everest Restricted (GD Suffix)	Keyed Construction (HD Suffix)	Disposable Construction (BDC Suffix)	Housing Less Core (BD Suffix)
L & N Escutcheons (cylinders with compression ring and spring)	All* except L9060 Outside	80-308	80-138	80-115	80-108
	L9060 Outside	30-030	20-782	30-032 + 36-083	80-104
Sectional Trim and L400-Series (cylinder with compression ring, spring and 1/4" blocking ring)	All* except L9060 Outside	30-138	20-776	30-137	80-101
	L9060 Outside	80-304 + 36-082-025	80-134 36-082-025	80-112 36-082-025	80-104 36-082-025

Finishes: 605, 606, 611, 612, 613, 619, 625, and 626.
Standard cylinder length is 1³/₈".

Small Format Interchangeable Core Only
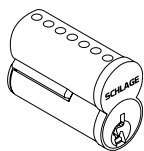
Number	Description
80-036	7-Pin uncombinated Everest B Family restricted keyways
80-037	7-Pin combinated Everest B Family restricted keyways
80-043	6-Pin uncombinated Falcon / Best keyways
80-033	7-Pin uncombinated Falcon / Best keyways

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.
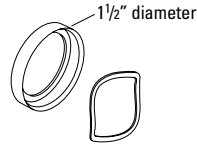
Blocking and Compression Rings

36-079

Blocking Ring. Specify finish and dimension. Not to be used with 36-083.

36-082

Blocking Ring. Specify finish and dimension. Use with 36-083.

36-083

1½" diameter

Compression Ring and Spring. Specify finish and dimension.

L538-195

Compression Spring.

Dimensions for Blocking Rings

Blocking Ring Length	Dimension
⅛"	012
³⁄₁₆"	018
¼"	025
⁵⁄₁₆"	031
⅜"	037
⁷⁄₁₆"	043
½"	050

Full-Size Core Blocking Ring Requirements

Function	Trim	Door Thickness			
		1³/8"	1³/4"	2"	2¹/4"
		Dimension			
L9050, L9070, L9080, L9410 (disc), L9453, L9456,L9460 per XL11-886 or XL11-635, L9464 per XL11-886, L9465, L9473, L9480, L9496	Rose	050	037	025	025
	Escutcheon	025	012	N/R	N/R
L9485	Rose	—	037	025	025
	Escutcheon	—	012	N/R	N/R
L9486	Rose	012	N/R	N/R	N/R
	Escutcheon	025	012	N/R	N/R
L9060, L9071, L9077, L9082, L9457, L9462 per XL11-886, L9466, L9482	Rose	—	050	043	031
	Escutcheon	025	012	N/R	N/R
L460, L464, L496, L9460, L9464	Rose Trim	050	037	025	025
L462, L463, L9462, L9463	Rose Trim	—	050	043	031

Full-Size Core Blocking Ring Requirements

Function	Trim	Door Thickness			
		1³/8"	1³/4"	2"	2¹/4"
		Dimension			
L9050, L9060, L9070, L9071, L9077, L9080, L9082, L9453, L9456, L9457, L9462 per XL11-886, L9465, L9466, L9473, L9482	Rose	037	025	012	N/R
	Escutcheon	N/R	N/R	N/R	N/R
L9050, L9060, L9070, L9080, L9082, L9410 (disc), L9453, L9456,L9460 per XL11-886 or XL11-635, L9464 per XL11-886, L9465, L9466, L9473, L9480, L9496	Rose	—	050	037	025
	Escutcheon	018	N/R	N/R	N/R
L460, L464, L496, L9460, L9464	Rose Trim	037	025	012	N/R
L462, L463, L9462, L9463	Rose Trim	—	050	037	025

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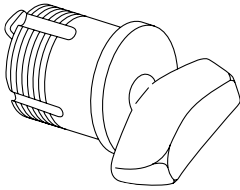
These cylinders are for L463 and L9463 classroom function deadlocks. They are handed. They have a rotational stop in one direction to prevent locking from the inside, but allow unlocking. Cylinders are field-reversible by changing the position of the rotational stop. All cylinders furnished with L583-254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

Number	Collar(s)
09-900	None
09-904	Compression ring and spring
09-905	For 1$3/4$" doors: compression ring, spring and $1/8$" blocking ring
09-907	For 1$3/4$" doors: compression ring, spring and $1/8$" blocking ring

Specify hand of door and finish. 1$1/8$" length standard. 09-900 and 09-905 also available in $1/8$" increments up to 1$3/4$".
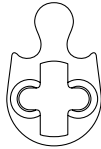
Mortise Cylinder Cams

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
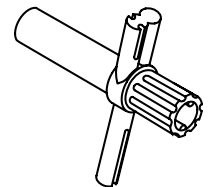Conventional

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.

M504-413
(Order as needed)