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SCHLAGE

S-Series

Light/Medium Commercial and Multi-Family Housing

Ingersoll Rand
Security Technologies

Application

Interior light to medium use commercial doors; office tenant spaces, laboratories; Heavy duty residential doors and multi-family housing.

Performance Features

Handicap compliant levers.

Heat treated steel locking components for extra strength.

Independent heavy duty lever torsion springs for durability and long life.

Non-handed levers (except Flair design).

Snap-on inside rose conceals mounting screws.

Extra-strong Everest patented keys standard for Commercial customers.

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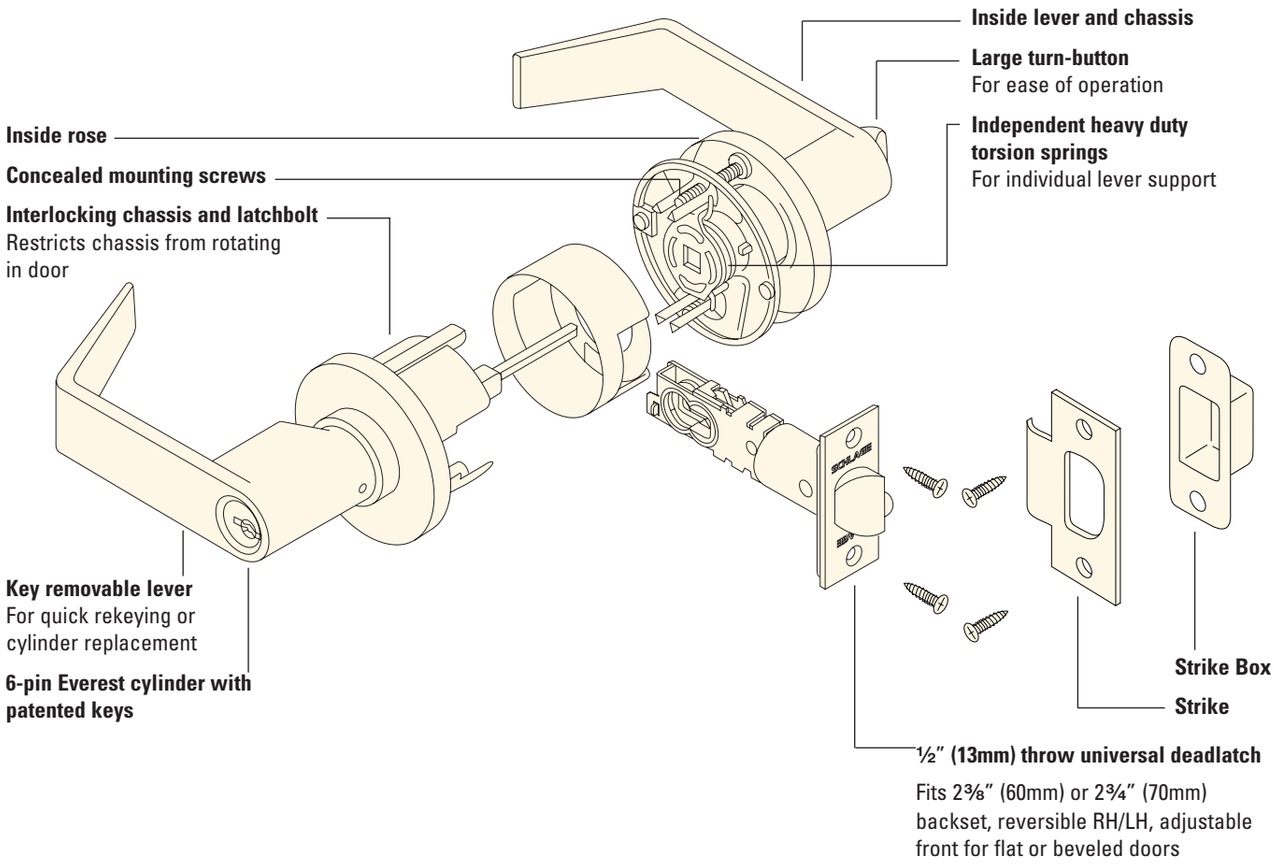
Exploded View



On our cover, the S-Series SATURN in Bright Brass.

SCHLAGE

Specifications

Handing:
Not handed, except Flair design.

Door Thickness:
1⅜″ to 2″ (35 mm-51 mm)
except S40D: 1⅜″ to 1⅞″ (35 mm-48 mm)

Backset:
Universal backset latches standard, fit either 2⅜″ (60 mm) or 2¾″ (70 mm). 5″ (127 mm) optional.

Fronts:
Steel. 1⅛″ x 2¼″ (29 mm x 57 mm) square corner, beveled, for 2¾″ backset standard. For availability with specific backsets, see page 6.

Lock Chassis:
Tubular construction. Zinc with steel cover.

Latch Bolt:
Brass, chrome plated, ½″ (13 mm) throw, deadlocking.

Exposed Trim:
Levers are zinc base, plated to match finish symbols. Roses, latch faceplates and strikes are wrought brass or bronze.

Strike:

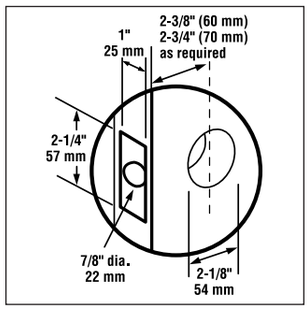
T-strike 1⅛″ x 2¾″ (29 mm x 70 mm) x 1⅛″ (29 mm) lip to center with box standard. Optional strikes, lip lengths and ANSI strike box available. See page 7.

Cylinder & Keys:
Commercial: 6-pin patented Everest C123 keyway standard with two nickel silver keys per lock.
Residential: 6-pin C keyway, keyed 5-pin.

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

Warranty:
Commercial: three-year limited.
Residential: Full mechanical lifetime.

Door Preparation



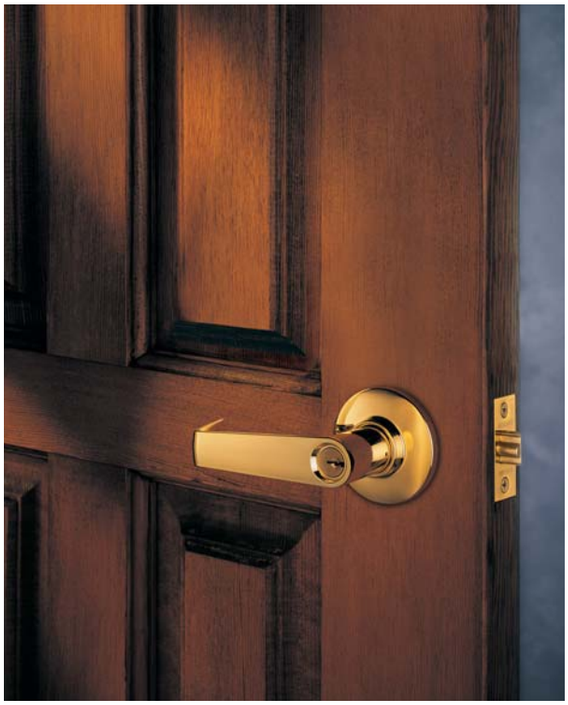
Certifications

ANSI
Meets or exceeds A156.2 Series 4000, Grade 2 strength and operational requirements.

Federal
Meets FF-H-106C.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
Neptune and Saturn designs comply; levers return to within ½″ of door face.

UL / cUL:
All locks listed for A label single doors, 4′ x 8′.
Letter F and UL symbol on latch front indicate listing.
UL437 Listed locking cylinder optional: specify Primus 20-500 Series cylinder.



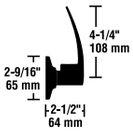
Designs & Finishes

625

JUPITER

Symbol: JUP
Material: Pressure cast zinc
Finishes: 605, 606, 613, 625, 626

Matches D-Series *ATHENS* and L-Series *07* designs

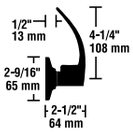


625

NEPTUNE

Symbol: NEP
Material: Pressure cast zinc
Finishes: 605, 606, 609, 613, 625, 626

Matches D-Series *SPARTA* and L-Series *17* designs

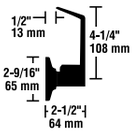


626

SATURN

Symbol: SAT
Material: Pressure cast zinc
Finishes: 605, 606, 609, 612, 613, 625, 626

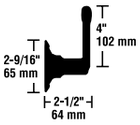
Matches D-Series *RHODES* and L-Segies *06* designs



605

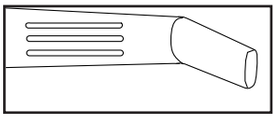
FLAIR

Symbol: FLA
Material: Pressure cast zinc
Finishes: 605, 606, 609, 612, 613, 625, 626



Finishes

605 Bright Brass
606 Satin Brass
609 Satin Brass, Blackened
612 Satin Bronze
613 Oil Rubbed Bronze
625 Bright Chromium Plated
626 Satin Chromium Plated



TACTILE WARNING (KNURLING)

Symbol: 8SA
Available Saturn design only. Outside lever is knurled unless otherwise specified.

Designs available with full size interchangeable core option for all keyed functions and finishes shown, except Saturn 609.

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Functions

ANSI A156.2 Series 4000 Grade 2

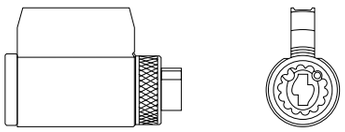
SCHLAGE	ANSI	
S10D	**F75**	**Passage Latch** Both levers always unlocked.
S40D	**F76**	**Bath/Bedroom Privacy Lock** Push-button locking. Can be opened from outside with small narrow tool. Turning inside lever releases button.
S51PD	**F81**	**Entrance Lock** Unlocked by key from outside when outer lever is locked by turn-button on inside lever. Inside lever always unlocked.
S70PD	**F84**	**Classroom Lock** Outside lever locked and unlocked by key. Inside lever always unlocked.
S80PD	**F86**	**Storeroom Lock** Outside lever fixed. Entrance by key only. Inside lever always unlocked.
S170		**Single Dummy Trim** Dummy trim for one side of door. Used for door pull or as matching inactive trim.

Keyed functions available with full size interchangeable core option.

Standard Cylinders

Schlage® locks are provided with cylinders precision built to extremely close tolerances and the highest standards of accuracy. Using only solid brass plugs, extruded brass shells, phosphor bronze springs, nickel silver keys and pins, ensures long life and ease of operation.

Conventional cylinders are available in Classic keyways or in the newly patented Everest® keyways. Specify keyway to differentiate between Everest and Classic. Example: C (Classic) vs. C123 (Everest).



Cylinders for Keyed Levers

Cylinder	Description
21-028	6-Pin conventional cylinder (standard)
20-752	Primus high security cylinder
20-552	Primus UL437 Listed high security cylinder

Available 606 and 626 finish only.
Everest C123 keyway standard for Commercial; C keyway standard for Residential.
Sleeve S605-192 included.

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.

Classic Primus cylinders are recommended for upgrading existing Classic key systems. Due to its extended patent life, the newly designed Everest Primus is recommended for new key systems and for upgrading existing Everest® key systems. Specify keyway to differentiate between Everest and Classic. Example: CP (Classic) vs. C123 (Everest).

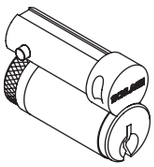
Interchangeable Core

Schlage® figure-8 interchangeable core (IC) locksets allow immediate rekeying at the door simply by using the special *control key* to replace the core in seconds.

IC locksets are available in Jupiter, Neptune and Saturn designs.

Full size interchangeable cores can be integrated into any 5 or 6-pin Schlage key system with no adverse affects on keying capacity.

To order complete locks with full size cores, change suffix from PD to RD. Example: S51RD. To order locks *less core*, change suffix to JD. To order with full size *construction core*, change suffix to TD.



Full Size Interchangeable Cores (For JD Suffix Locksets)

Number	Description
23-030	Conventional core
20-740	Primus high security core

Available 606 and 626 finish only. Everest C123 keyway standard for Commercial; C keyway standard for Residential.

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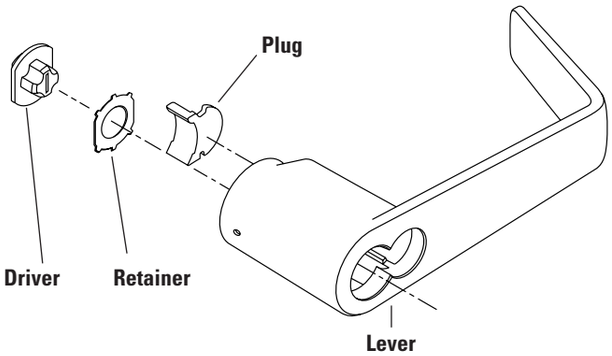
IC Conversion Kits

It is easy to convert standard S-Series locksets to accept Schlage full size interchangeable cores by changing the knob and adding the parts shown.



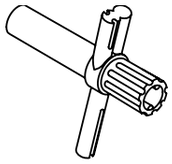
Interchangeable Core Components

Number	Description
08-030*	Lever, driver, plug, retainer
08-027*	Lever only
S605-241	Retainer
S605-242	Driver

* Specify design and finish.

IC Installation Tool

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



M504-413
(Order separately.)

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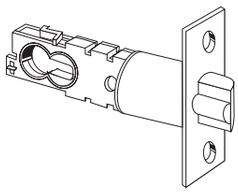
Latches

The standard universal backset deadlatch fits both 2⅜″ (60 mm) and 2¾″ (70 mm) backsets. They are adjustable for flat or beveled edge doors and have a ½″ (13 mm) throw. Orders for complete locks are provided with a G506-815 sleeve for 7/8” diameter latches installed in doors with 1″ (25 mm) edge bore.

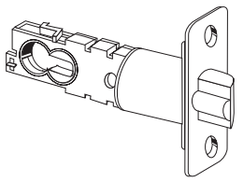
All latches have 1 1/8” x 2 1/4” square corner fronts. Standard latches are shown in bold type.

Note: Failure to use the below referenced latches and fire cup, included with the lockset, will invalidate the UL Listing.

Square Corner Deadlatch
16-203



Round Corner Deadlatch
16-204

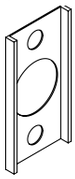


Deadlatches

Backset	Faceplate Description	Number	Hsg Dia
2⅜″ or 2¾″	1″ x 2¼″ Square corner*	**16-203**	⅞″
	1″ x 2¼″, ¼″ Radius round corner	16-204	⅞″
5″	1″ x 2¼″ Square corner*	16-132	⅞″

*Latches include A501-878 faceplate adapter for 1⅛″ face.

Latch Front Adapter
A501-878



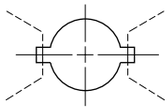
Used to adapt 1″ (25 mm) wide square front faceplates to 1⅛″ (29 mm) wide door preparations. Furnished in black plastic. Order in multiples of 100.

Sleeve
G506-815

Used on 7/8″ (22 mm) diameter latch housings in 1” (25 mm) edge bore. Furnished standard with complete locks.

Door Reinforcement
Schlage® reinforcing units help prevent the collapse of hollow metal doors when locksets are tightly mounted.

Door Prep



A501-566
1¾″ (44 mm) Doors

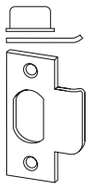
A501-565
1⅜″ (35 mm) Doors

SCHLAGE

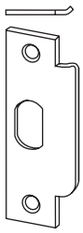
Strikes

All Schlage strikes are furnished complete with screws. The 10-001 standard S-Series strike has a 1⅛″ (29 mm) lip. When ordering separately, specify quantity, product number, finish, and lip length. Standard strike is shown in bold type.

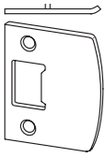
T-Strike – Standard
10-001
1⅛″ x 2¾″ x 3/32″
(29 mm x 70 mm x 2 mm)



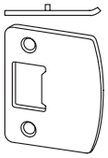
ANSI Strike
10-025
1¼″ x 4⅞″ x 3/32″
(32 mm x 124 mm x 2 mm)



10-026



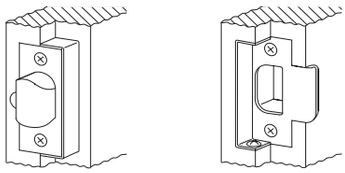
10-027



Number	Lip Length	Description
10-001	1″, 1⅛″ (std), 1¼″, 1½″, 1¾″, 2″ (25 mm, 29 mm, 32 mm, 38 mm, 44 mm, 51 mm)	1⅛″ x 2¾″ (29 mm x 70 mm) Square corner, **standard**
10-004	1⅛″ (29 mm)	1⅛″ x 2¾″ (29 mm x 70 mm) ⅛″ (3 mm) Radius, round cnr.
10-025	1 3/16″, 1⅜″ (30 mm, 35 mm)	1¼″ x 4⅞″ (32 mm x 124 mm) ANSI
10-026	1⅛″ (29 mm)	1⅝″ x 2¼″ (41 mm x 57 mm) Full lip, square corner
10-027	1⅛″ (29 mm)	1⅝″ x 2¼″ (41 mm x 57 mm) Full lip, ¼″ (6 mm) radius, round corner
K510-066	—	Box, ANSI

Rabbeted Latch and Strike Kit
Rabbeted latch and strike kit finishes: 605, 626.
This kit adapts square corner latches and strikes for ½″ (13 mm) rabbeted door and frame preparations.

Rabbeted Latch and Strike Kit
39-030



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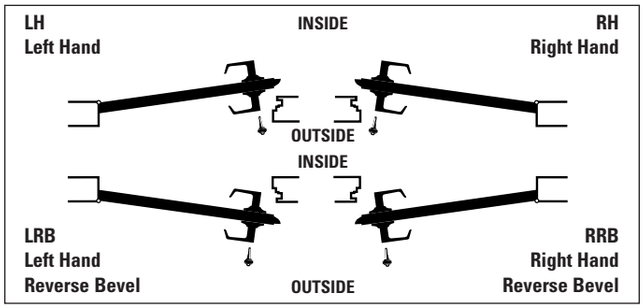
Door Handing

Hand information is necessary for Flair design and to ensure proper finish of latchbolt and strike for split finish locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.



How to Order

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

Line Item	Qty	Product	Outside		Inside		Hand	Latch	Strike	DR Thk	Dim	Additional Details
			Des	Fin	Des	Fin						
1	2	3	4	5	6	7	8	9	10	11	12	13

1 Line item number
2 Quantity
3 Complete model number with function and cylinder type

To order cylinder options, change "PD" at the end of the model number as follows:

S51PD Standard

S51LD Less standard cylinder (For Primus cylinder, specify this option and order Primus cylinder separately.)

S51JD Prepared for full size interchangeable core, less core

S51RD With full size conventional interchangeable core installed. Order control keys separately.

S51TD With full size (temporary) construction core installed. Order all keys separately.

4 / 5 Outside design / finish.
6 / 7 Inside design / finish. Leave blank if same as outside.
8 Hand
9 Latch. Leave blank for standard or specify part number for optional latch. LLL=Less Latch.
10 Strike. Leave blank for standard or specify part number for optional strike. LLL=Less Strike.
11 Door thickness, if non-standard. Example: 200 = 2″.
12 Dimension for strike lip lengths. See strike page for availability of specific dimensions with specific strikes.
100 = 1″
118 = 1⅛″
114 = 1¼″
138 = 1⅜″
112 = 1½″
134 = 1¾″
200 = 2″
13 Keying detail (e.g. key symbol, keyway, bitting) and other special requirements.

EXAMPLE

Line Item	Qty	Product	Outside		Inside		Hand	Latch	Strike	Dr Thk	Dim	Additional Details
			Des	Fin	Des	Fin						
1	100	S51PD	SAT	605				16-132				KA4
2	100	S51LD	SAT	605				16-203				
3	100	20-724		606								1AA-100AA

Note: Schlage order forms are available at no charge by contacting your IR Security & Safety Consultant or Customer Service.

Ingersoll Rand
Security Technologies

Ingersoll Rand's Security Technologies Sector is a leading global provider of products and services that make environments safe, secure and productive. The Sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doors and frames, architectural hardware and technologies and services for global security markets.

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