





Contents

4-5	Mechanical lock guide
6-7	D Series introduction
8	Performance features
9	Exploded view
10	Knob designs
11	Knob finishes and door handing
12-15	Lock functions
15	Wiring diagram
16	Cylinder types
17	Standard cylinders
17	Primus XP high security cylinders
17	Full size interchangeable core
18	IC retrofit kits
18	IC installation tool
19	Latches
20	Strikes
20	Rabbeted latch and strike kit
21	Accessories and adapters
22	Specifications and certifications
22	Door preparation

23 Ordering guidelines

Pictured here: Orbit knob shown in 626 satin chrome

Cover photo: Plymouth knob shown in 626 satin chrome finish

Be sure to ask your SSC representative to tell you about **Custom Solutions** by Allegion. To learn more visit allegion.com/us.











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.

	a set			1
Tubular interconnected locks	Tubular locks	Tubular interconnected locks	Cylindrical locks	Cylindrical interconnected locks
CS200 Series	S Series	S200 Series	A Series	H Series
Grade 2	Grade 2		Grade 2	
Security level:				
ANSI/BHMA certified A156.2-2013 Exceeds 400,000 ANSI cycles Medium traffic	ANSI/BHMA certified A156.2-2011 Exceeds 400,000 ANSI cycles Light traffic	- - Exceeds 400,000 ANSI cycles Medium traffic	ANSI/BHMA certified A156.2-2011 Exceeds 400,000 ANSI cycles Medium traffic	- - Exceeds 400,000 ANSI cycles Medium traffic
Typical applications:		_		
Exterior Interior New construction Retrofit	- Interior - Retrofit	Exterior Interior New construction Retrofit	Exterior Interior New construction Retrofit	Exterior Interior - Retrofit
Functions available:				
1 Function - -	6 Functions - -	5 Functions - -	11 Functions - -	5 Functions - -
Design options:		_		
 7 Finishes 15 Lever styles - 1 Matching rose 2 Interior escutcheons Tactile warning available 	 7 Finishes 4 Lever styles - 1 Matching rose - <li< td=""><td> 7 Finishes 4 Lever styles - 1 Matching rose 1 Interior escutcheon - </td><td> Finishes Lever style Knob styles Matching rose - </td><td> Finishes Lever style Knob styles Matching rose Interior escutcheon </td></li<>	 7 Finishes 4 Lever styles - 1 Matching rose 1 Interior escutcheon - 	 Finishes Lever style Knob styles Matching rose - 	 Finishes Lever style Knob styles Matching rose Interior escutcheon
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	Deadbolts		Cylindrical locks	Cylindrical locks	Mortise locks	
AL Series	B Series		D Series	ND Series	L Series	
Grade 2	Grade 2	Grade 1	Grade 1	Grade 1	Grade 1	
Security level:						
ANSI/BHMA certified	ANSI/BHMA cert	tified	ANSI/BHMA certified	ANSI/BHMA certified	ANSI/BHMA certified	
A156.2-2011	A156.5-2010		A156.2-2011	A156.2-2011	A156.13-2012	
Exceeds 400,000 ANSI cycles	Exceeds 150,000 ANSI cycles	0/250,000	Exceeds 1,000,000 ANSI cycles	Exceeds 1,000,000 ANSI cycles	Exceeds 1,000,000 ANSI cycles	
Medium traffic	High traffic, heav	y-duty	High traffic	Heavy-duty traffic	Heavy-duty traffic	
Typical applications:						
Exterior	Exterior		Exterior	Exterior	Exterior	
Interior	-		Interior	Interior	Interior	
New construction	New constructio	n	-	New construction	New construction	
Retrofit	Retrofit		Retrofit	Retrofit	Retrofit	
Functions available:						
10 Functions	7 Functions	6 Functions	14 Functions	29 Functions	49 Functions	
-	-	-	2 Electrified	6 Electrified	4 Electrified	
-	-	-	-	Vandlgard [®] available	Vandlgard [®] available	
Design options:						
10 Finishes	10 Finishes		10 Finishes	9 Finishes	13 Finishes	
4 Lever styles	-		-	5 Lever styles	26 Lever style	
-	-		3 Knob styles	-	3 Knob styles	
1 Matching rose	-		1 Matching rose	2 Matching roses	4 Matching roses	
-	-		-	-	2 Escutcheons	
Tactile warning available	Indicator ros	e	-	Tactile warning available	Tactile warning available	
					Antiligature available	
Often used in:					_	
Commercial	Commercial/inst	titutional	Institutional	Institutional	Commercial/institutional	
Healthcare	Govt/military		Govt/military	Education	Govt/military	
Hospitality	Heavy-duty resid	lential	Hospitality	Healthcare	Education	
Office	Hospitality		Retail	Office	Healthcare	
Retail	Office			Retail	Office	
	Retail				Retail	

This chart shows the most common uses/applications. These products are often used in other applications in addition to those listed.

Rev. 11/13



D Series

Heavy-duty performance for high traffic applications

At Schlage, we know that every product you specify has to stand up to constant use and abuse without compromising security. The D Series gets the job done with tough, dependable ANSI Grade 1 locks designed for use in military barracks, back-of-house hospitality and retrofit applications. Built for heavy traffic applications, D Series locks are easy to service and maintain, and come in a range of styles and finishes to fit your building.

Pictured here: Tulip knob shown in 626 satin chrome

Real security is knowing exactly what you want and getting it

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.

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 D Series locks meets ANSI Grade 1 standards for safety.

D Series

Schlage D Series knobs are built to tough manufacturing standards that ensure a long life with smooth performance. With finishes to fit your building design, and a choice of styles, the D Series is one of the toughest knobs we make.

Pictured here: Plymouth knob shown in 626 satin chrome

Heavy-duty hardware for premium performance

- Exceeds 800,000-cycle ANSI Grade 1 requirements
- Exceeds ANSI A156.2, Series 4000 Grade 1 lock knob torque requirements
- · Heavy-gauge, cold-rolled steel mechanisms are corrosion treated for normal atmosphere conditions



D Series knob designs



Symbol: ORB Material: Wrought brass, bronze, or stainless steel



Orbit

Plymouth



Symbol: PLY Material: Wrought brass, bronze, or stainless steel

Tulip



Symbol: TUL Material: Wrought brass, bronze, or stainless steel

•

All designs shown in 626 satin chrome



 \bigcirc = FSIC - full size interchangeable core option for Orbit design.

Knob finishes

	C.	e	P.	e	-	0	0	C.	e	
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	625 Bright chromium plated	626 Satin chromium plated	629 Bright stainless steel	630 Satin stainless steel	643e Aged bronze
D Series locks										New in 2009
Orbit	•	•	•	•	•	•	•	•		•
Plymouth	•	•	•	•	•	•	•	•	•	•
Tulip	•	•	•	•	•	•	•	•		•

e = an equivalent finish to the BHMA standard.

Door handing

All Schlage locks are reversible. Hand information is necessary to ensure proper cylinder orientation in keyed functions, and finish of latchbolt and strike for locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.

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



D Series lock functions ANSI A156.2 Series 2003 Grade 1





Lock functions ANSI A156.2 Series 2003 Grade 1

Keyed locks

Schlage	ANSI	Schlage	ANSI	Schlage	ANSI	Schlage	ANSI		
D53PD	F109	D60PD	F88	D66PD	F91	D70PD	F84		
Entrance lo	ck	Vestibule lo	ck	Store door lo	ock	Classroom l	ock		
 Push button to lock outside knob. Knob stays locked until unlocked by key or by turning inside knob. 			ted by key from hen the outside	 Key in either kr unlocks both k 		 Outside knob i unlocked by ke 			
		knob is locked inside knob. • Inside knob is	I by a key in the always free for	Caution: Double are a life safety		 Inside knob is always free for immediate egress. 			
Pushing and the locks outside stays locked the with a key.	knob, which	immediate eg	ress.	of emergency a not recommende should be in acc existing codes c	nd their use is ed. Installation ordance with				
 Inside knob is immediate eg 	always free for gress.								
Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
				• ••		• • •			
						₿ Orb			

Schlage ANSI
D72PD F80

Communicating lock

• Key in either knob locks or unlocks its own knob independently.

Caution: Double cylinder locks 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 ANSI A156.2 Series 2003 Grade 1

Keyed locks (continued)



14 · Schlage · D Series

= Standard cylinder.

= FSIC - full size interchangeable core option for Orbit design.

8

Electrified Functions

Schlage ANSI

D80PDEL D12DEL

Electrically locked (fail safe)

- Auxiliary latch deadlocks latchbolt when door is closed.
- Outside knob continuously locked electrically until unlocked by key, switch or power failure.
- Inside knob is always free for immediate egress.





ANSI **D12DEU**

Electrically locked (fail safe)

Schlage

D80PDEU

- Auxiliary latch deadlocks latchbolt when door is closed.
- Outside knob continuously locked until it is unlocked by key or electric current.
- Inside knob is always free for immediate egress.

Mechanical and electrical control:

Schlage D Series locks are available for remote electrical locking and unlocking for high security and fire safety applications.

Applications:

Security control centers, cashier rooms, fire safety alarms, stairwell doors, telephone equipment rooms, computer rooms, hospital equipment and narcotics areas.

Controlling devices:

Security alarms, wall switches, security consoles, access card readers, thermo-sensitive devices, smoke and fire alarms, telephone access controls, automatic time devices, biometrics readers and computerized controls.

Typical wiring diagram for electrified locks

8 orb

AC power source – EL or EU



DC power source – EL or EU



AC and DC application

Cut as close to plug as possible for DC operation.



Cylinders and key systems

Protect new key systems with Everest 29

Schlage can help you design a system that can grow and change along with your needs, allowing you the flexibility to upgrade your security without the need to replace all your cylinders.



Standard cylinders

Standard cylinders are available in the patented Everest 29 or Classic keyways. Standard keyways are the Everest 29 S123 and S145 (factory masterkeyed systems). All other keyways available when requested.

Cylinder for most functions

Hotel function







Full size interchangeable core 8

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

Available in all lever designs and the Orbit knob, full size interchangeable cores can be integrated into any 5 or 6-pin Schlage key with no adverse affects

on keying capacity.



Standard cylinders

Number	Description
23-001	Conventional 6-pin cylinder (standard)
20-748	Primus high security cylinder
20-548	Primus UL437 Listed high security cylinder
23-003	6-pin hotel function (D85) with occupancy indicator
21-017	Temporary construction plug, plastic

Available in 606 and 626 finish only. Everest 29 S123 keyway standard.

Full size interchangeable cores

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

Available in 606 and 626 finish only. Everest 29 S123 keyway standard.



Primus XP access control and high security cylinders

Primus XP access control and 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 29 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 XP cylinders are recommended for upgrading existing Classic key systems. Due to its extended patent life, the newly designed Everest 29 Primus XP is recommended for new key systems and for upgrading existing Everest key systems. Specify keyway to differentiate between Everest 29 and Classic. Example: C or CP (Classic) vs. S123 (Everest 29).

Visit allegion.com/us for more information.

IC retrofit kits

To convert standard D Series locksets to accept Schlage full size interchangeable cores, change the knob and add parts shown. Orbit design only.

Full size interchangeable core retrofit

Number	Description
04-034	Retrofit kit (parts below + core, specify finish)
04-030	Driver, retainer, knob (specify finish)
04-033	Driver, retainer
04-031	Orbit knob only (specify finish)
M504-413	IC installation tool



Retrofit kit (driver, retainer, knob, core) 04-034



Driver

Retainer



Latches

D Series latches are adjustable for flat or beveled edge doors. Latches and strikes are furnished in brass, bronze, or chrome finishes to be compatible with lock trim. When ordering, specify quantity, part number, and finish. All D Series latches have 1/2" throw and 1" housings except 23/8" backset latches, which includes sleeve G506-815 to fill a 1" edge bore. Standard letters are shown in bold type.

Latches

Backset	Description	Deadlatch ½" (13 mm) throw	Springlatch ½²" (13 mm) throw
2 ³ /8"	1 ¹ /8" (29 mm) x 2 ¹ /4" (57 mm) square corner	14-047	_
(60 mm)	1" (25 mm) x 2½" (57 mm) square corner	14-048	_
D 2/ U	1½8" (29 mm) x 2¼4" (57 mm) square corner	14-019	14-001
2 ³ /4" (70 mm)	$11_{8}^{\prime\prime}$ (29 mm) x $21_{4}^{\prime\prime}$ (57 mm) $^{3}_{4}^{\prime\prime}$ (19 mm) throw for pairs of fire doors	14-042	_
3³/₄" (95 mm)	1 ¹ / ₈ " (29 mm) x 2 ¹ / ₄ " (57 mm) square corner	14-028	14-010

Square corner latches Springlatch





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



Long Backsets

D Series locks with 5" backsets are normally furnished with 11/8" faceplates and 1" housings. Links installed in metal doors require one A501-567 sleeve and 43-005 (order separately) to join latch and link.



Sleeve (A501-567) (add to 2³/₄" backset latch)



Door Reinforcement

Reinforcing unit is required to reinforce and help prevent the collapse of hollow metal doors when locksets are tightly mounted. This kit should be used with long backsets for D Series lock installations in hollow metal doors to prevent lateral movement of the latchbolt. Specify door



Strikes

All Schlage strikes are furnished complete with screws. The standard D Series strike has a $1^{3}/16^{11}$ lip. When ordering separately specify quantity, product number, finish, and lip length. Standard strikes are shown in bold type.

Strikes

Number	Lip length	Description
10-013	1 ¹ / ₈ " (28 mm) 1 ¹ / ₂ " (38 mm)	1^{1}_{8} " x 2 ³ / ₄ " (28 mm x 70 mm) square corner, box 1 ³ / ₄ " (38 mm)
10-016	1¹⁄ଃ" (28 mm)	1 ¹ / ₈ " x 2 ³ / ₄ " (28 mm x 70 mm), ³ / ₄ " (19 mm) deep box for 14-042 fire door latch.
10-025	1 ³ / ₁₆ " (30 mm) 1 ³ /8" (35 mm)	1 ¹ /4" x 4 ⁷ /8" (32 mm x 124 mm) ANSI
K510-066	—	Box for 10-025 ANSI strike

ANSI strike-standard (10-025) 1¹/₄" x 4⁷/₈" x ³/₃₂"



0

Square corner box strike (10-013)





Rabbeted latch and strike kit

Rabbeted latch and strike kit finishes: 605, 626. This kit adapts square corner latches and $2^{3}/_{4}$ " (28 mm) high strikes for $^{1}/_{2}$ " (13 mm) rabbeted door and frame preparations.



Rabbeted latch and strike kit (39-030)

Accessories and adapters





Number	Description
04-032	Retrofit lever for Orbit, Plymouth and Tulip knobs
38-018	Thin door spacer for knob locks. 2 required per lock, specify finish.
39-008	Instruction plate for D85 hotel function knob locks
A501-878	Latch front adapter for 1" face plate in $1^{1}\!/_{8}$ " prep

Specifications

Handing:

Keyed functions of knob designs are field reversible.

Door thickness:

 $1_{3/8}$ " to 2" (35 mm-51 mm) standard. 2" to $2^{1/2}$ " (51 mm-64 mm) optional.

Backset:

2³/4" (70 mm) standard. 2³/8", 3³/4" and 5" (60 mm, 95 mm, and 127 mm) optional.

Faceplate:

Brass, bronze or stainless steel. $1^{1}/_{8}$ " x $2^{1}/_{4}$ " (29 mm x 57 mm) square corner, beveled.

Lock chassis:

Steel, zinc dichromate plated for corrosion resistance.

Latch bolt:

Brass, $^{1\!/_{2}"}$ (12 mm) throw, deadlocking on keyed and exterior functions. $^{3\!/_{4}"}$ (19 mm) throw, anti-friction latch available for pairs of fire doors.

Exposed trim:

Wrought brass, bronze or stainless steel.

Strike:

ANSI curved lip strike $1^{1/4}$ " x $4^{7/8}$ " x $1^{3/16}$ " lip to center standard. Optional strikes, lip lengths and ANSI strike box available. See page 20.

Cylinder and keys:

6-pin patented Everest 29 S123 keyway standard with two nickel silver keys per lock.

Keying options:

Full size interchangeable core and Primus XP high security cylinders. Master keying, grand master keying, and construction keying.

Warranty:

Three-year limited warranty.

Certifications

ANSI:

Meets or exceeds A156.2 Series 4000, Grade 1 strength and operational requirements.

Federal:

Meets FF-H-106C Series 161.

UL/cUL:

All locks listed for A label single doors, 4' x 8'. 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.

ADA compliant:

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

Door preparation



Ordering guidelines

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

Line item	Qty	Products	Out	side	Ins	ide	Hand	Latch	Strike	Thk Ext	Dim	Dim	Additional
	Quy	FIGUOLIS	Des	Fin	Des	Fin	Tianu	Laten			LAL		details
1	2	3	4	5	6	7	8	9	10	11	12	13	14

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:

	D53 PD	Standard.
	D53 LD	Less standard cylinder. For Primus cylinder, specify this option and order Primus cylinder separately.
- U (9*	D53 CD	With temporary plastic construction cylinder. Double cylinder functions ordered less cylinder are furnished with these construction cylinders to maintain timing of key cams.
	D53 JD	Prepared for full size interchangeable core, less core. For Primus core, specify this option and order Primus core separately.
	D53 RD	With full size conventional interchangeable core installed. Order control keys separately.
	D53 TD	With full size (temporary) construction core installed. Order all keys separately.

- 4/5 Outside design / finish. Specify tactile warning (knurling) here as "8AT" for Athens, "8RO" for Rhodes or "8SP" for Sparta.
- 6/7 Inside design / finish. Leave blank if same as outside.
- 8 Hand. Required for keyed knob designs and all split finish locksets. One hand per line item.
- 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 Extension, to specify whether thick door is extended inside (EI), outside (EO), differently (ED) or equally (EE).
- 13 Dimension for strike lip lengths. See price book for availability of specific dimensions with specific strikes (e.g. $138 = 1^{3}/_{8}$ ").
- 14 Keying detail (e.g. key symbol, keyway, bitting) and other special requirements.

Example

Line		Product	Outside		Inside		Hand	Latch	Strike	DR	Ext	Dim	Additional
item Qty	Product	Des	Fin	Des	Fin	папи	Latti	Strike	Thk	EXL		details	
1	24	ND10S	SPA	605					10-013	214	EE		1AA-100AA
2	4	ND50RD	RHO	613								138	C145 245793
3	60	ND93PD	ATH	626				14-047					E 000000

Note: Schlage order forms are available at no charge by contacting your SSC representative or by visiting allegion.com.

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 7,800 people and sells products in more than 120 countries across the world. Allegion comprises 23 global brands, including strategic brands CISA[®], Interflex[®], LCN[®], Schlage[®] and Von Duprin[®].

For more, visit www.**allegion.com**

CISA - 🏇 interflex - LCN - SCHLAGE - VON DUPRIN

