SCHLAGE

ND-Series

A New Standard In Grade 1 Security

Ingersoll Rand
Security Technologies

Extra Heavy Duty Commercial

ND-Series locks are for commercial, institutional and industrial use, such as schools, hospitals and factories, where a long life of dependable operation must be combined with a high degree of resistance to physical abuse.

Popular functions of all lever designs are also available in Vandlgard®, where levers are free-wheeling in the locked position to resist more forceful attacks.

INDEX

Cylinders	8
Designs & Finishes	4
Door Preparation	3
Door Handing	12
Exploded View	2
Functions	6 - 7
How to Order	13
Interchangeable Cores	8 - 9
Latches	10
Performance Features	2
Specifications	3
Strikes	11
Vandlgard® Features	5
Wiring for Electrified Locks	12

Performance Features

Tested to exceed 3,000,000 cycles, greatly exceeding the 800,000 cycle ANSI Grade 1 requirement.

Exceeds ANSI A156.2 Series 4000 Grade 1 locked lever torque requirements.

Vandlgard® functions have free-wheeling levers to resist force when locked.

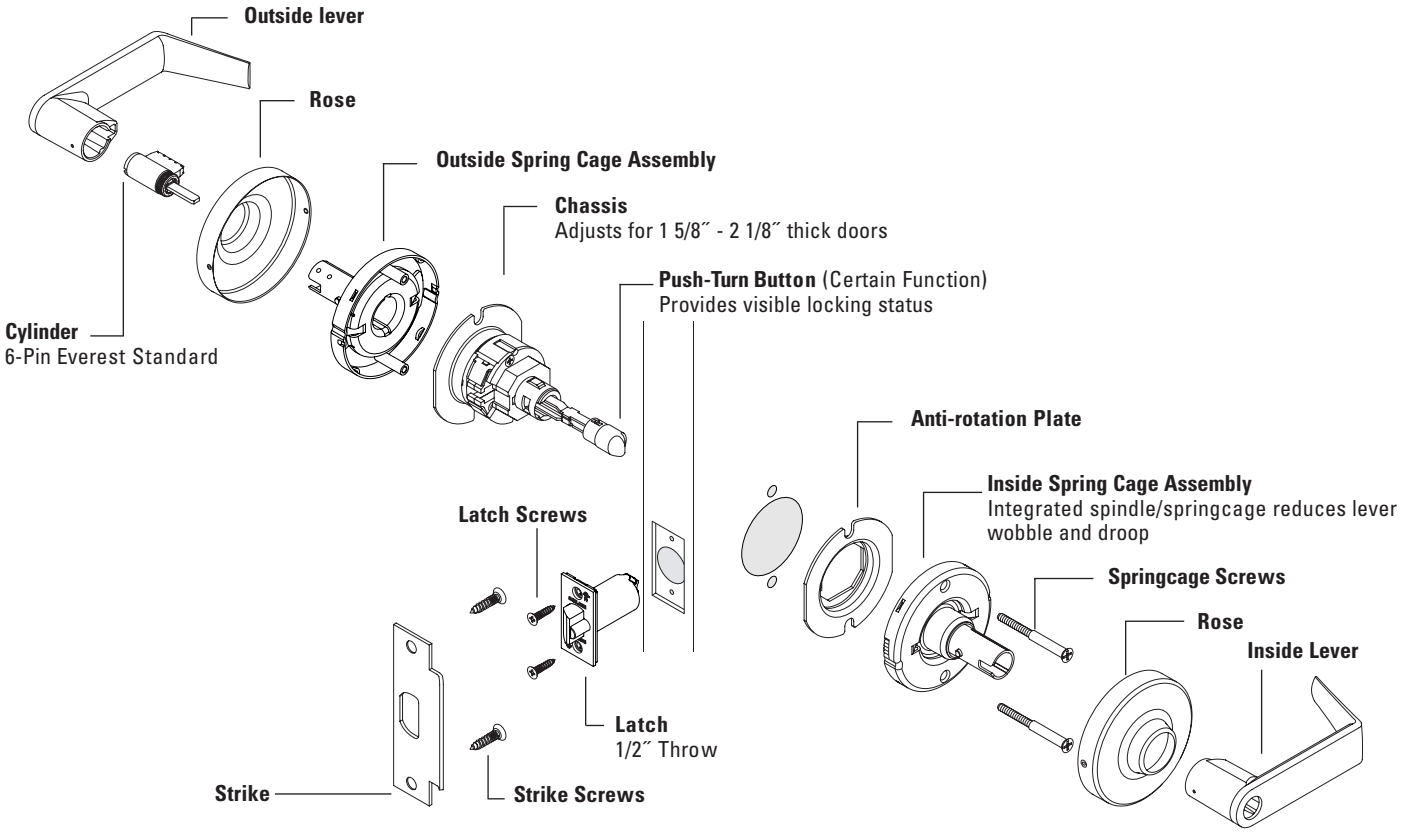
Independent heavy duty spring cages for effective lever support.

Thru-bolted mechanism for positive interlock to door.

Concealed mounting screws.

Steel Latchbolt.

Exploded View



On our cover, the ND-Series OMEGA in Satin Nickel.

SCHLAGE

Specifications

Handing:
All ND-Series lever locksets are non-handed.

Door Thickness:
1⅝″ to 2⅛″ (41mm–54mm) standard including Vandlgard® functions. 1¾″ - 2″ for function D85. See accessories (Page 11) for spacers required for 1⅜″ doors.

Backset:
2¾″ (70 mm) standard. 2⅜″, 3¾″ and 5″ (60 mm, 95 mm, 127 mm) optional.

Faceplate:
Brass, bronze or stainless steel. 1⅛″ x 2¼″ (29 mm x 57mm) square corner, beveled.

Lock Chassis:
Zinc plated for corrosion resistance.

Latch Bolt:
Steel, ½″ (12mm) throw, deadlocking on keyed and exterior functions. ¾″ (19 mm) throw anti-friction latch available for pairs of fire doors.

Exposed Trim:
Levers: Pressure cast zinc, plated to match finish symbols.
Roses: Solid brass.

Strike:
ANSI curved lip strike 1¼″ x 4⅞″ x 1³⁄₁₆″ lip to center standard. Optional strikes, lip lengths and ANSI strike box available. See page 12.

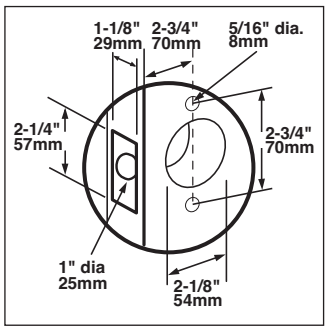
Cylinder & Keys:
6-pin Everest C123 keyway standard with two patented nickel silver keys per lock.

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

Warranty:
Seven-year limited for all functions including Vandlgard®.

Door Preparation

Lever Designs



Certifications

ANSI
Meets or exceeds A156.2 Series 4000, Grade 1 strength and operational requirements. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C Series 161.

California State Reference Code (CSFH)
(Formerly Title 19, California State Fire Marshal Standard)
All levers with less than ½″ (64mm) returns comply; levers return to within ½″ of door face.

MEA Certification
All electrified locking (fail-safe, unlocked by switch or power failures) functions accepted for use in New York City by the City of New York, Department of Buildings (MEA 24-04-E).

All levers with less than ½″ (64mm) returns comply with California Fire Safety Codes.

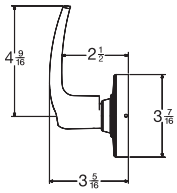
3/4″ and 1/2″ throw latch approved for Hurricane Resistance with Miami-Dade County, Florida and the Florida Building Commission.

UL / cUL:
All locks listed for A label single doors, 4′ x 8′.
Letter F and UL symbol

Lever Designs & Finishes

ATHENS

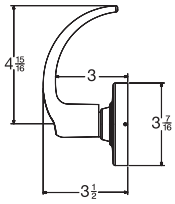
Symbol: ATH (L-Series 07)
Material: Pressure cast zinc lever; wrought brass rose
Finishes:
605, 606, 612, 613, 619, 625, 626



606

SPARTA

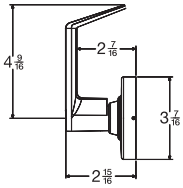
Symbol: SPA (L-Series 17)
Material: Pressure cast zinc lever; wrought brass rose
Finishes:
605, 606, 612, 613, 619, 625, 626



626

RHODES

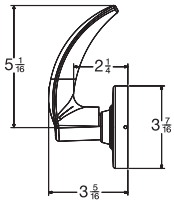
Symbol: RHO (L-Series 06)
Material: Pressure cast zinc lever; wrought brass rose
Finishes:
605, 606, 612, 613, 619, 625, 626



612

OMEGA

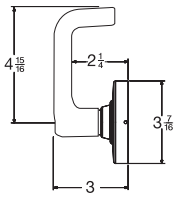
Symbol: OME (L-Series Omega)
Material: Pressure cast zinc lever; wrought brass rose
Finishes:
605, 606, 612, 613, 619, 625, 626



619

TUBULAR (L-Series 03)

Symbol: TLR
Material: Pressure cast zinc lever; wrought brass rose
Finishes:
605, 606, 612, 613, 619, 625, 626



626

605
Bright Brass

606
Satin Brass

612
Satin Bronze

613
Oil Rubbed Bronze

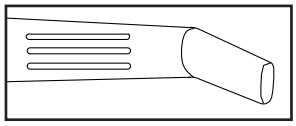
619
Satin Nickel

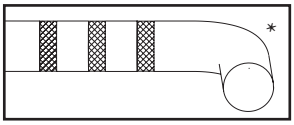
625
Bright Chromium Plated

626
Satin Chromium Plated

Keyed functions available with Full Size Interchangeable Core options.

Keyed functions available with Small Format Interchangeable Core options.





*Only available with Tubular lever.

TACTILE WARNING (KNURLING)

Change symbol designation as follows:
8AT for Athens
8RO for Rhodes
8SP for Sparta
8TR for Tubular*⌛

Only outside lever is knurled unless otherwise specified.

Not available with Omega trim

⌛ Extended Factory Lead Time

Finishes

605 Bright Brass
606 Satin Brass
612 Satin Bronze
613 Oil Rubbed Bronze
619 Satin Nickel
625 Bright Chromium Plated
626 Satin Chromium Plated

SCHLAGE

ND-SERIES WITH VANDLGARD™

Schlage ND-Series keyed lever locks with Vandlgard provide vandal resistant technology. Designed for maximum accessibility, security and durability, Vandlgard sets the standard for door hardware in educational facilities and other applications subject to heavy traffic or abuse. The unique features of Vandlgard prevent damage to internal lock components caused by excessive force from persons kicking, hitting or standing on the lever to gain access. Vandlgard functions maintain total key system and architectural design compatibility with Schlage's regular ND-Series cylindrical locks.

Levers have virtually replaced knobs in the marketplace for handicap accessibility. The added grip and leverage has created an increased opportunity for abuse or vandalism. This abuse often renders locks inoperable. In some cases the security of the door is violated leaving computer and laboratory equipment susceptible to theft. While this type of abuse is commonly associated with junior and senior high schools, it also occurs in universities, office buildings, commercial buildings, and public buildings.

Locked lever freely rotates up and down while remaining securely locked. The Vandlgard function also increases resistance to over-rotation of the lever.

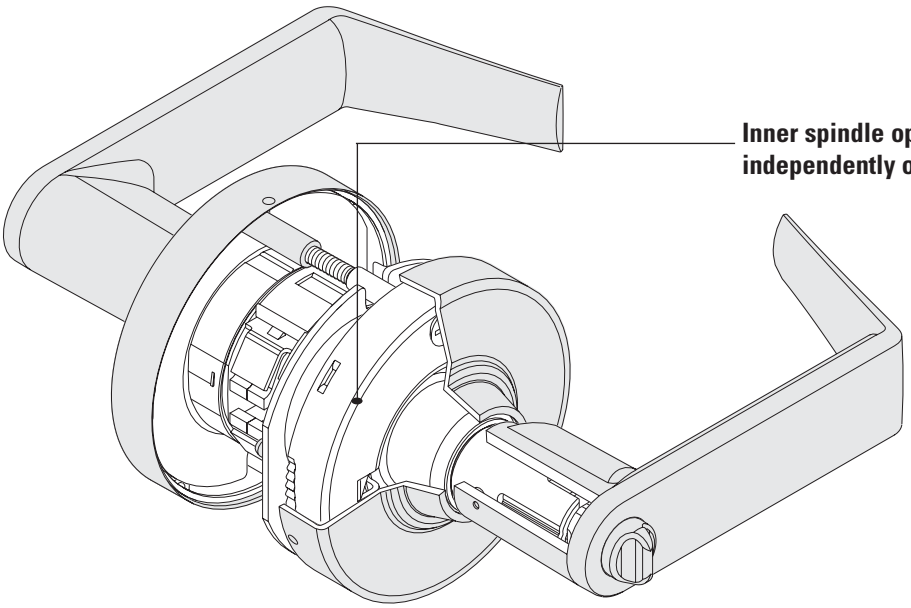
Benefits & Features

Superb warranty.
All Vandlgard functions have a 7-year warranty.

Reduce lever wobble and play.
Integrated spindle and spring cage greatly reduces lever sag and wobble.

Resists vandalism.
Free-wheeling lever eliminates the ability to stand or exert excessive force on the end of the lever.

Ease of installation.
Installs in under 2 minutes.



ND-Series Vandlgard levers comply with ADA requirements.

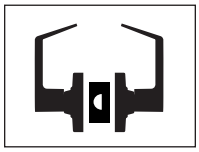
Functions

ANSI A156.2 Series 4000 Grade 1

Non-Keyed Locks

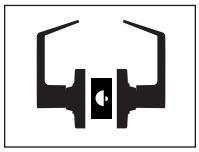
SCHLAGE ANSI

ND10S F75



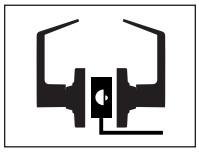
Passage Latch
Both levers always unlocked.

ND12D F89



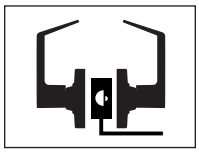
Exit Lock
Outside lever always fixed. Inside lever always unlocked.

ND12DEL



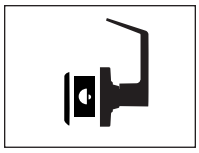
Electrically Locked (Fail Safe)
Outside lever continuously locked electrically. Unlocked by switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND12DEU



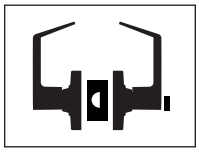
Electrically Unlocked (Fail Secure)
Outside lever continuously locked until unlocked by electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND25D



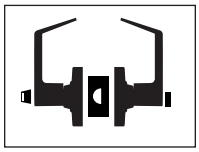
Exit Lock
Blank plate outside. Inside lever always unlocked.

ND40S F76



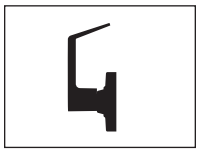
Bath/Bedroom Privacy Lock
Push-button locking. Can be opened from outside with small screwdriver. Turning inside lever or closing door releases button.

ND44S



Hospital Privacy Lock
Push-button locking. Unlocked from outside by turning emergency turn-button. Turning inside lever or closing door releases button.

ND170



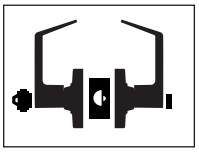
Single Dummy Trim
Dummy trim for one side of door. Used for door pull or as matching inactive trim.

Safe School Locks

Keyed Locks

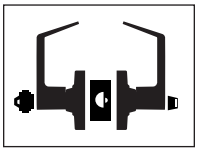
SCHLAGE ANSI

ND50PD F82



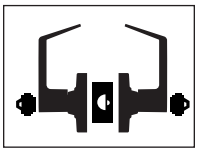
Entrance/Office Lock †
Push-button locking. Push-button locks outside lever until unlocked with key or by turning inside lever.

ND53PD F109



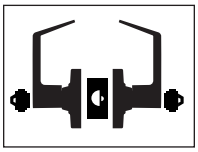
Entrance Lock †
Turn/push-button locking; pushing and turning button locks outside lever, requiring use of key until button is manually unlocked. Push-button locking; pushing button locks outside lever until unlocked by key or by turning inside lever.

ND60PD F88



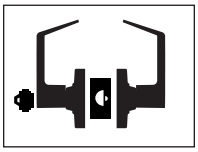
Vestibule Lock †
Latch retracted by key from outside when outside lever is locked by key in inside lever. Inside lever is always unlocked.

ND66PD F91



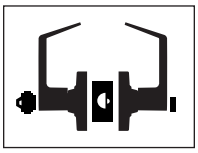
Store Lock † *
Key in either lever locks or unlocks both levers.

ND70PD F84



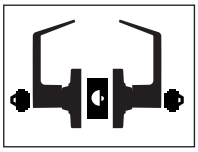
Classroom Lock †
Outside lever locked and unlocked by key. Inside lever always unlocked.

ND73PD F90



Corridor Lock †
Locked or unlocked by key from outside. Push-button locking from inside. Turning inside lever or closing door releases button. When outside lever is locked by key it can only be unlocked by key. Inside lever is always unlocked.

ND75PD



Classroom Security Lock †
Key in either lever locks or unlocks outside lever. Inside lever is always unlocked.

† *Keyed functions available with 6-pin (PD/LD), SFIC(GD/BD), or FSIC(RD/JD) cylinder.*

* ***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.*

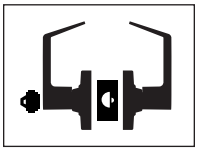
Functions

ANSI A156.2 Series 4000 Grade 1

Keyed Locks

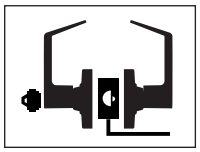
SCHLAGE ANSI

ND80PD F86



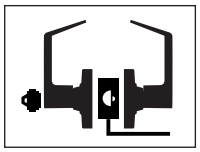
Storeroom Lock †
Outside lever fixed. Entrance by key only. Inside lever always unlocked.

ND80PDEL



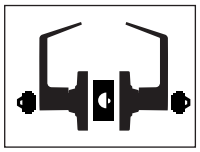
Electrically Locked (Fail Safe) †
Outside lever continuously locked electrically. Unlocked by key outside or by switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND80PDEU



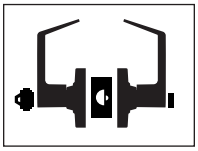
Electrically Unlocked (Fail Secure) †
Outside lever continuously locked until unlocked by key or electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND82PD F87



Institution Lock † *
Both levers fixed. Entrance by key in either lever.

ND85PD



Faculty Restroom Lock **
Outside lever fixed. Entrance by key only. Push-button in inside lever activates visual "occupancy" indicator, allowing only emergency master key to operate. Turning inside lever or closing door releases visual occupancy indicator. Rotation of inside spinner-button provides lock-out feature by keeping indicator thrown.

Safe School Locks

† *Keyed functions available with 6-pin (PD/LD), SFIC(GD/BD), or FSIC(RD/JD) cylinders.*

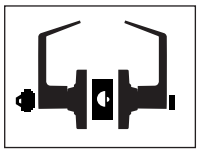
* ***Caution:*** *Double cylinder locks on residences and any door in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.*

** *85 function locks are not available in Full Size & Small Format Interchangeable Cores.*

Vandlgard Functions

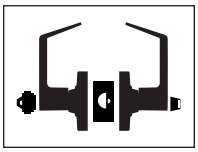
SCHLAGE ANSI

ND91PD F82



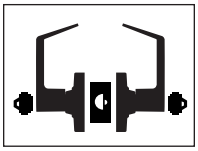
Entrance/Office Lock †
Push-button locking. Push-button disengages outside lever until unlocked with key or by turning inside lever. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND92PD F109



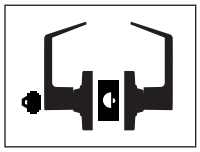
Entrance Lock †
Turn/push-button locking; pushing and turning button disengages outside lever, requiring use of key until button is manually unlocked. Push-button locking; pushing button disengages outside lever until unlocked by key or by turning inside lever. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND93PD F88



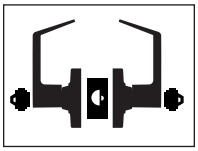
Vestibule Lock †
Latch retracted by key from outside when outside lever is disengaged by key in inside lever. Inside lever is always unlocked. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND94PD F84



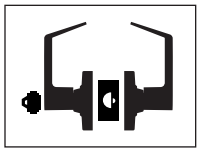
Classroom Lock †
Outside lever disengaged and unlocked by key. Inside lever always unlocked. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND95PD



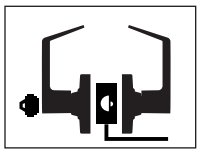
Classroom Security Lock †
Key in either lever locks or unlocks outside lever. Inside lever is always unlocked.

ND96PD F86



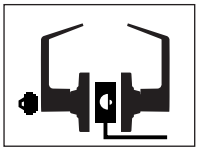
Storeroom Lock †
Outside lever always disengaged. Entrance by key only. Inside lever always unlocked. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND96PDEL



Electrically Locked (Fail Safe) †
Outside lever continuously disengaged electrically. Unlocked by key outside or by switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND96PDEU



Electrically Unlocked (Fail Secure) †
Outside lever continuously disengaged. until unlocked by key or electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

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. For complete listing of cylinder parts, refer to the New ND-Series Service Manual (SC-2058).

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

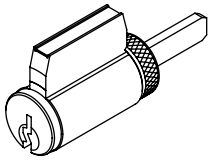
Primus® High Security Cylinders

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).

Cylinder for Most Functions



Tailpiece is vertical (shown) for levers.

Standard Cylinders*

Levers	Description
23-065	6-Pin conventional (standard)
20-765	Primus high security
20-565	Primus UL437 Listed high security
23-000	Hotel cylinder
N123-042	Temporary construction plug, plastic for functions

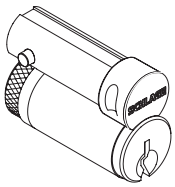
*Available in 606 and 626 finish only. Everest C123 keyway standard.

Full Size Interchangeable Core

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

Available in all lever designs, full size interchangeable cores can be integrated into any 5 or 6-pin Schlage key.

To order complete locks with full size cores, change suffix from PD to RD. Example: ND53RD. To order locks less core, change suffix to JD. To order with full size construction core, change suffix to TD.

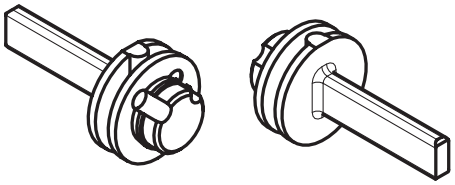


Full Size Interchangeable Cores*

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

*Available 606 and 626 finish only. Everest C123 keyway standard.

Driver
N123-127

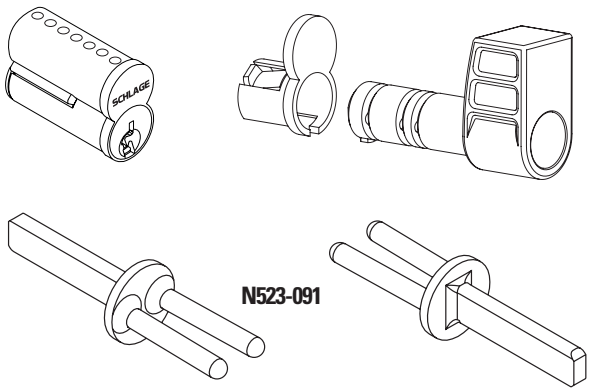


Small Format Interchangeable Core

Available in all lever designs, the small format IC option is designed for Schlage Everest® B Family Restricted keyway cores and is also completely compatible with Best®, Falcon®, and other small format interchangeable cores.

To order complete locks with Everest B Family *Restricted keyway cores*, change product suffix from **P**D to **G**D and provide letter of authorization from end user. Example: ND53**G**D. To order locks less core, change suffix to **B**D. To order with keyed brass construction cores, change suffix to **H**D. To order with disposable plastic construction cores, change suffix to **BDC**.

Small Format Core **Disposable Construction Core**



Small Format Interchangeable Cores

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
M204-152*	Disposable plastic construction core
N523-091	SFIC Driver

Available 606 and 626 finish only. Specify keyway for existing systems.

80-033 and 80-043 cores are available in Best A, D, E, F, G, H, J, K, L, and M keyways. Specify keyway by suffixing "B" to keyway letter, e.g. "AB".

80-036 and 80-037 Restricted keyway cores require a letter of authorization from the end user. Schlage assigns the keyway when establishing new Everest Restricted key systems.

*M204-152 does not have a finish option.

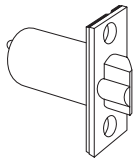
Latches

ND-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 ND-Series latches have ½″ throw and 1″ housings except 2⅜″ backset latches, which includes sleeve G506-815 to fill a 1″ edge bore. Standard latches are shown in bold type.

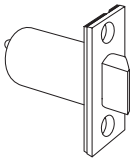
Latches

Backset	Description	Deadlatch ½″ Throw	Springlatch ½″ Throw
2⅜″ 60mm	1⅛″ (29mm) x 2¼″ (57mm) square corner	14-047	–
	1″ (25mm) x 2¼″ (57mm) square corner	14-048	–
2¾″ 70mm	**1⅛″ (29mm) x 2¼″ (57mm) square corner**	**13-047**	**13-048**
	1⅛″ (29mm) x 2¼″ (57mm), ¾″ (19mm) throw for pairs of fire doors	14-042	–
3¾″ 95mm	1⅛″ (29mm) x 2¼″ (57mm) Square corner	14-028	14-010

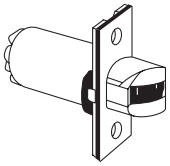
Deadlatch

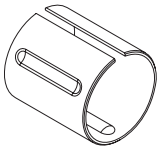


Springlatch



¾″ Throw Anti-Friction Deadlatch for Pairs of Fire Doors





G506-815

Strikes

All Schlage strikes are furnished complete with screws. The standard ND-Series strike has a 1³⁄₁₆″ lip. When ordering separately specify quantity, product number, finish, and lip length. Standard strikes are shown in bold type.

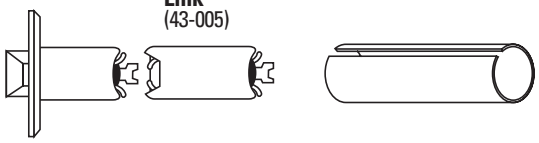
Strikes

Number	Lip Length	Description
10-013	1 1/8″ (28mm)	1 1/8″ x 2 3/4″ (28mm x 70mm) Square corner, box 1 3/4″ (38mm)
10-016	1 1/8″ (28mm)	1 1/8″ x 2 3/4″ (28mm x 70mm), 3/4″ (19mm) deep box for 14-042 fire door latch
10-025	**1 3/16″ (30mm) 1 3/8″ (35mm)**	**1 1/4″ x 4 7/8″ (32mm x 124mm) ANSI**
K510-066	—	Box for 10-025 ANSI strike

Long Backsets

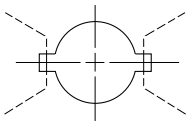
ND-Series locks with 5″ backsets are normally furnished with 1⅛″ faceplates and 1″ housings. Links installed in metal doors require one A501-567 sleeve and 43-005 (order separately) to join latch and link.

2-3/4″ Latch **Extension Link** (43-005) **Sleeve** (A501-567) (add to 2¾″ backset latch)



Door Reinforcement

Schlage 37-001 reinforcing kit is used to reinforce and help prevent the collapse of hollow metal doors when locksets are tightly mounted.

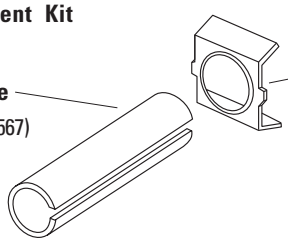


This kit should be used with long backsets for ND-Series lock installations in hollow metal doors to prevent lateral movement of the latchbolt. Specify door thickness, 1⅜″or 1¾″, when ordering reinforcement kits.

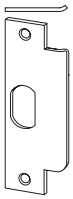
Reinforcement Kit (37-001)

Sleeve (A501-567)

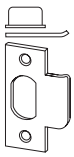
Reinforcement 1¾″ doors (A501-566) or 1⅜″ doors (A501-565)



ANSI Strike–Standard (10-025) 1 1/4″ x 4 7/8″ x 3/32″



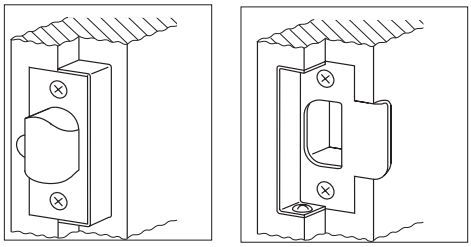
Square Corner Box Strike (10-013) 1 1/8″ x 2 3/4″ x 3/32″



Rabbeted Latch and Strike Kit

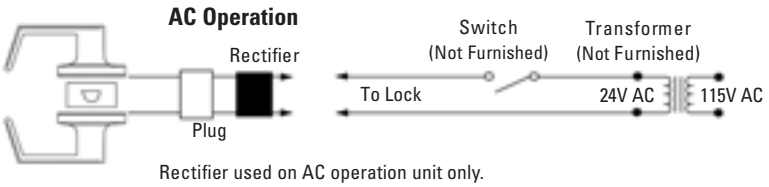
Rabbeted latch and strike kit finishes: 605, 626.
This kit adapts square corner latches and 2 3/4″ (28mm) high strikes for ½″ (13mm) rabbeted door and frame preparations.

Rabbeted Latch and Strike Kit (39-030)



Typical Wiring Diagram for Electrified Locks

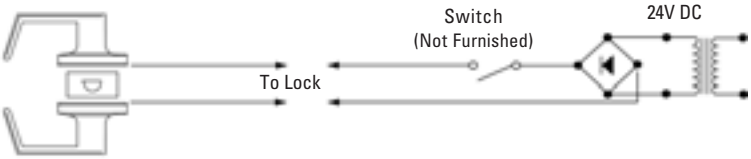
AC Power Source – EL or EU



Rectifier used on AC operation unit only.
.35A @ 24V (Current requirements per lock)

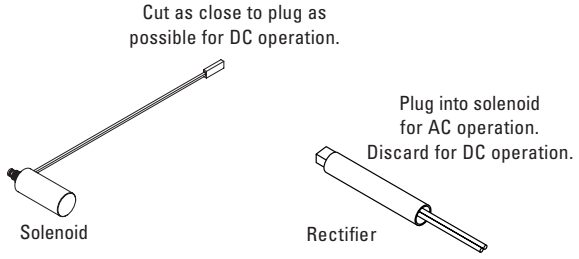
DC Power Source – EL or EU

DC Operation



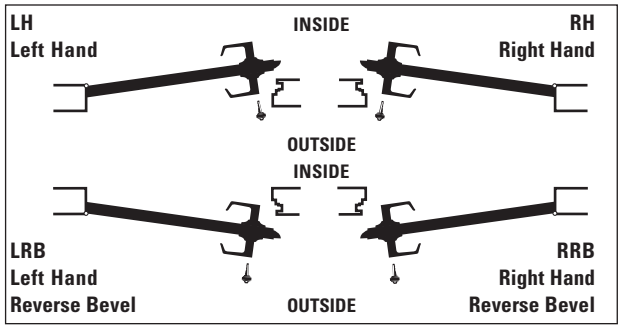
.15A @ 24V (Current requirements per lock)

AC and DC Application



Door Handing

All Schlage® locks are reversible. Hand information is necessary to ensure proper finish of latchbolt and strike for split-finish locks. Follow the diagram to determine the hand of the door. The outside is the secure side or the corridor side.



Accessories

1-3/8″ D-Series Lever Door Spacer*

XN12-012

*For installation on 1 3/8″ doors, two (2) spacers are required. Specify finish.

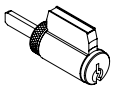
How to Order ND-Series Levers

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

Line Item	Qty	Product	Outside		Inside		Hand	Latch	Strike	Door Thickness	Ext	Dim	Additional Details
			Des	Fin	Des	Fin							
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

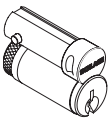
To order cylinder options, change "PD" at the end of the model number as follows:



ND53PD Standard.

ND53LD Less standard cylinder. For Primus® cylinder, specify this option and order Primus cylinder separately.

ND53CD With temporary plastic construction cylinder. Double cylinder functions ordered *less cylinder* are furnished with these construction cylinders to maintain timing of key cams.



ND53JD Prepared for full size interchangeable core, less core. For Primus core, specify this option and order Primus core separately.

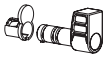
ND53RD With full size conventional interchangeable core installed. Order control keys separately.

ND53TD With full size (temporary) construction core installed. Order all keys separately.

ND53BD Prepared for small format (Falcon®, Best®, etc.) interchangeable core (SFIC), less core.

ND53GD With Everest® B Family restricted keyway small format core installed. Order control keys separately.

ND53HD With small format keyed brass construction core installed. Order all keys separately.



ND53BDC With small format disposable plastic construction core installed.

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 strike page for availability of specific dimensions with specific strikes.
100 = 1″
118 = 1⅛″
114 = 1¼″
138 = 1⅜″
112 = 1½″
134 = 1¾″
200 = 2″
14 Keying detail (e.g. key symbol, keyway, bitting) and other special requirements.

EXAMPLE

Line Item	Qty	Product	Outside		Inside		Hand	Latch	Strike	Door Thickness	Ext	Dim	Additional Details
			Des	Fin	Des	Fin							
1	24	ND10S	SPA	605					10-013	214	EE		
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 at www.schlage.com/pricing/pricing.htm.

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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