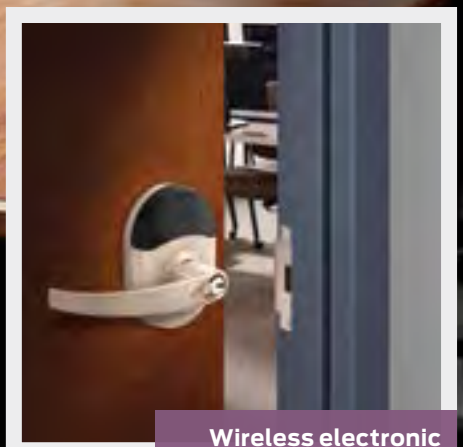
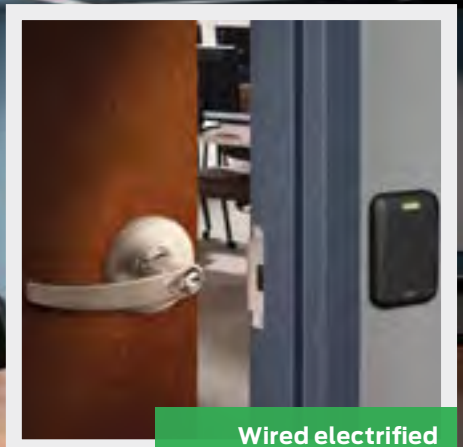




# ND Series

Grade 1 cylindrical locks

Mechanical  
Wired electrified  
Wireless electronic



# The Schlage® ND Series cylindrical locks

Walter Schlage invented the cylindrical lock in 1920. Since then, Schlage Lock Company has consistently delivered innovation and continuous improvement. In that tradition, we are extremely proud to introduce the redesigned ND Series cylindrical lock.

Most manufacturers' approach to locks ends with simply meeting industry standards like Grade 1. With the Schlage ND, Grade 1 is just the beginning.

## Performance beyond Grade 1

The Schlage ND family significantly exceeds BHMA Grade 1 requirements for cycle, lever torque, hammer blow, lever pull and other tests. This means confidence that the lock will last—whether the application calls for high abuse resistance or just operation over millions of cycles—without any degradation in performance.

## Comprehensive offering for every opening

Mechanical, wired electrified and wireless electronic solutions allow a common aesthetic and consistent user experience throughout the building while lowering the total cost of ownership.

## World-class design

A proven, easy to install product with extensive function, keying, trim and finish capabilities that work in nearly any applications.



## Cylindrical lock comparison

### ND mechanical



#### Applications

The Schlage ND is extremely versatile and is regularly used in healthcare, education, government, office, retail and other commercial applications.

With 31 mechanical functions, the ND's range spans from the simple (non-locking passage) to complex (double-cylinder security) to specialized (school time-out lock).

Because the ND uses an ANSI 161 door prep, commonly used across cylindrical locks, it is ideal for both new construction and retrofit applications.

#### Key features

- Significantly exceeds ANSI/BHMA A156.2 requirements for Grade 1 cylindrical locks
- 31 mechanical functions (see adjacent columns for wired electrified and electronic options)
- Five lever designs, two rose designs
- 10 available finishes
- Supports standard, SFIC and FSIC cylinder formats
- Multiple key systems available – open, patented, restricted, geographic exclusive, UL437
- Support for 10 non-Schlage cores (see cylinder section)

### ND wired electrified



#### Applications

Wired electrified locks complement the mechanical offering and are typically incorporated into a wired access control system or used independently with a remote access switch (e.g. switch behind a receptionist desk).

The electrified ND is ideally used in:

- high traffic areas, where line power ensures continuous operation
- new construction, where electrified door prep, hinges and wiring can easily be incorporated into the building

#### Key features

All mechanical features plus:

- auto-detecting 12-24VDC input
- selectable EL/EU operation
- low 0.23 amp max current draw that allows multiple locks on a single power supply
- low 0.010 amp holding current that eliminates “hot levers” in electrically locked applications
- modular Request to Exit (RX) that can be added at any time
- inventory friendly—one lock supports 12-24V, EL or EU, with or without RX
- six electrified functions for application flexibility

### NDE wireless electronic



#### Applications

Wireless electronic locks complete the offering by delivering all of the access control system hardware components required at the door in a single integrated design.

NDE wireless lock applications include:

- retrofit applications where electronic credentials can be used for improved visibility and control
- new construction to expand the scope of access control to interior openings
- low to medium traffic areas, where battery power delivers long life

#### Key features

All mechanical features<sup>1</sup> plus:


- Fits standard ANSI 161L mechanical door prep
- Installs in minutes with only a Phillips screwdriver
- Integrated card reader, door position sensor and Request to Exit (RX) switch
- Built-in Bluetooth® enables wireless configuration from smart phones and tablets
- Built-in Wi-Fi enables automatic updates to access rights
- Capable of networked real-time communication<sup>2</sup>
- Up to 2 years of battery life (4 AA)

<sup>1</sup> NDE wireless electronic lock available in 3 lever designs, 1 rose design, and 9 finishes only


<sup>2</sup> Requires ENGAGE™ Gateway and alliance access control software


From mechanical to wired electrified to wireless electronic the ND Series offers a grade 1 solution for the entire project.

 **ND mechanical**



Suitable for all openings

 **ND wired electrified**

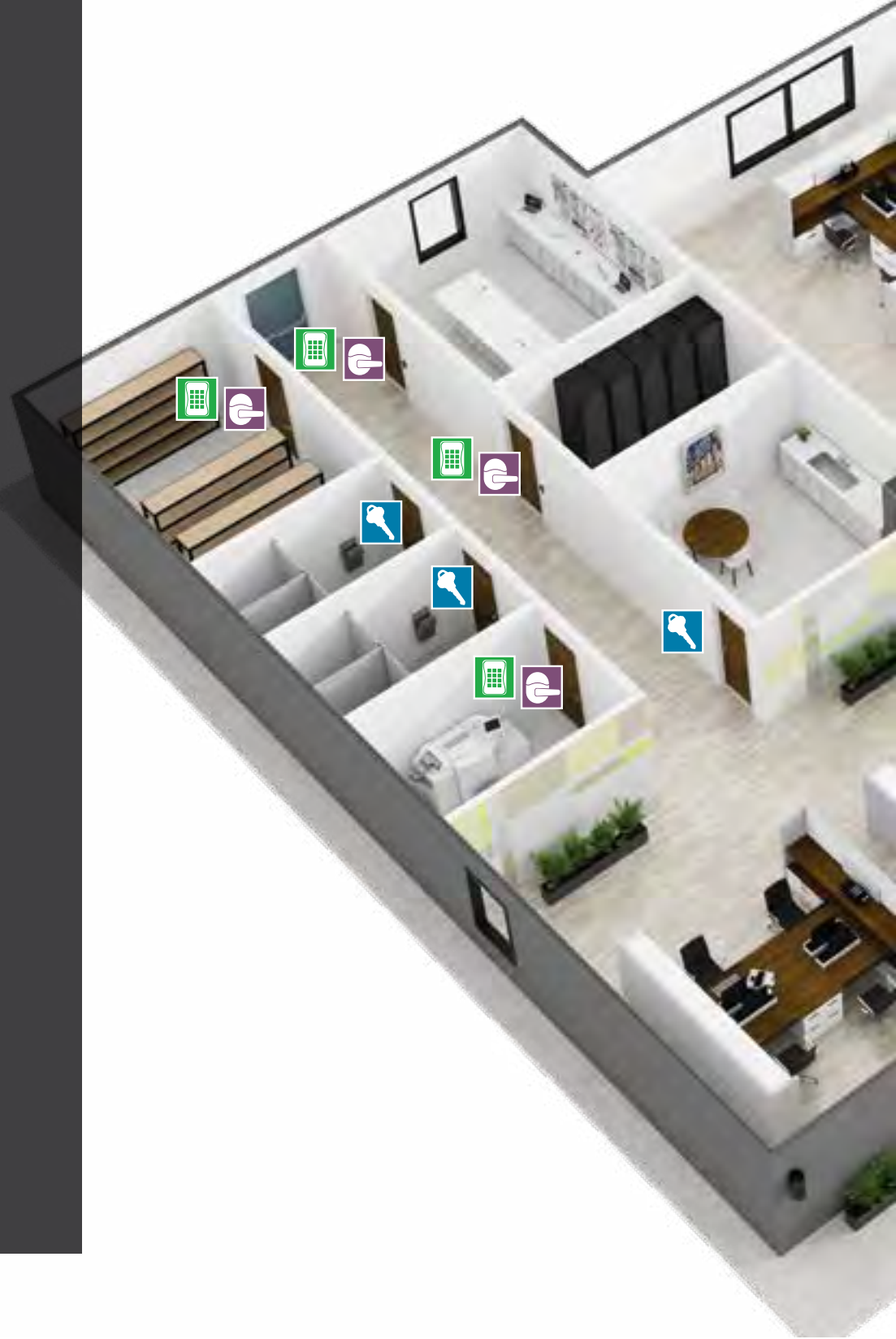


Ideal for high-traffic access control

 **NDE wireless electronic**



Ideal for low-traffic access control





Selection guide

Key features

Trims and finishes

Mechanical

Wired electrified

Wireless electronic

Keys and credentials

Parts

Specifications

## STRONG

The ND Series has been redesigned to make it the strongest cylindrical lock Schlage has ever built.

- No access with minimum 3,100 in-lb abusive lever torque — the equivalent of over 690 lbs applied to the end of a 4 1/2" lever (2.6x BHMA requirements<sup>1</sup>)
- No access with minimum 1,600 lbs offset lever pull for protection against pry bar attacks (8x BHMA requirements<sup>1</sup>)
- No access with minimum 100 vertical impacts<sup>1,2</sup> for protection against sledgehammer attacks (20x BHMA requirements<sup>1</sup>)
- Near zero droop and wobble after 16M cycles (16x BHMA requirements<sup>1</sup>), without the use of set screws or O-rings
- Latch retraction with 200lb preload for confident operation in warped and preloaded doors (4x BHMA requirements)

<sup>1</sup> Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC & SFIC). Performance with non-Schlage cylinders will exceed BHMA grade 1 requirements but may be less than the performance of products with Schlage cylinders.

<sup>2</sup> Vertical impact testing stopped after 100 blows with no sign of failure or stress.

## SECURE

A strong lock is only part of the security equation—proper key and card access control is equally important.

- Standard Everest 29™ key system prohibits unauthorized duplication at local stores and is patent protected until 2029
- Available restricted and geographic exclusive keyways for advanced key control
- Available compatibility with 10 different non-Schlage key systems
- New SL cylinder allows SFIC keyways in standard cylinders, providing multiple new keying solutions including geographically exclusive SFIC
- Wired electrified and wireless electronic locks enable the use of electronic credentials for increased visibility and control over access
- aptiQ® smart cards with MiFare® DESFire® EV1 technology utilize encryption, mutual authentication and key diversification to ensure the highest levels of security



## SMART

Smart means using innovation to make your project more efficient, flexible, and easier to install and use.

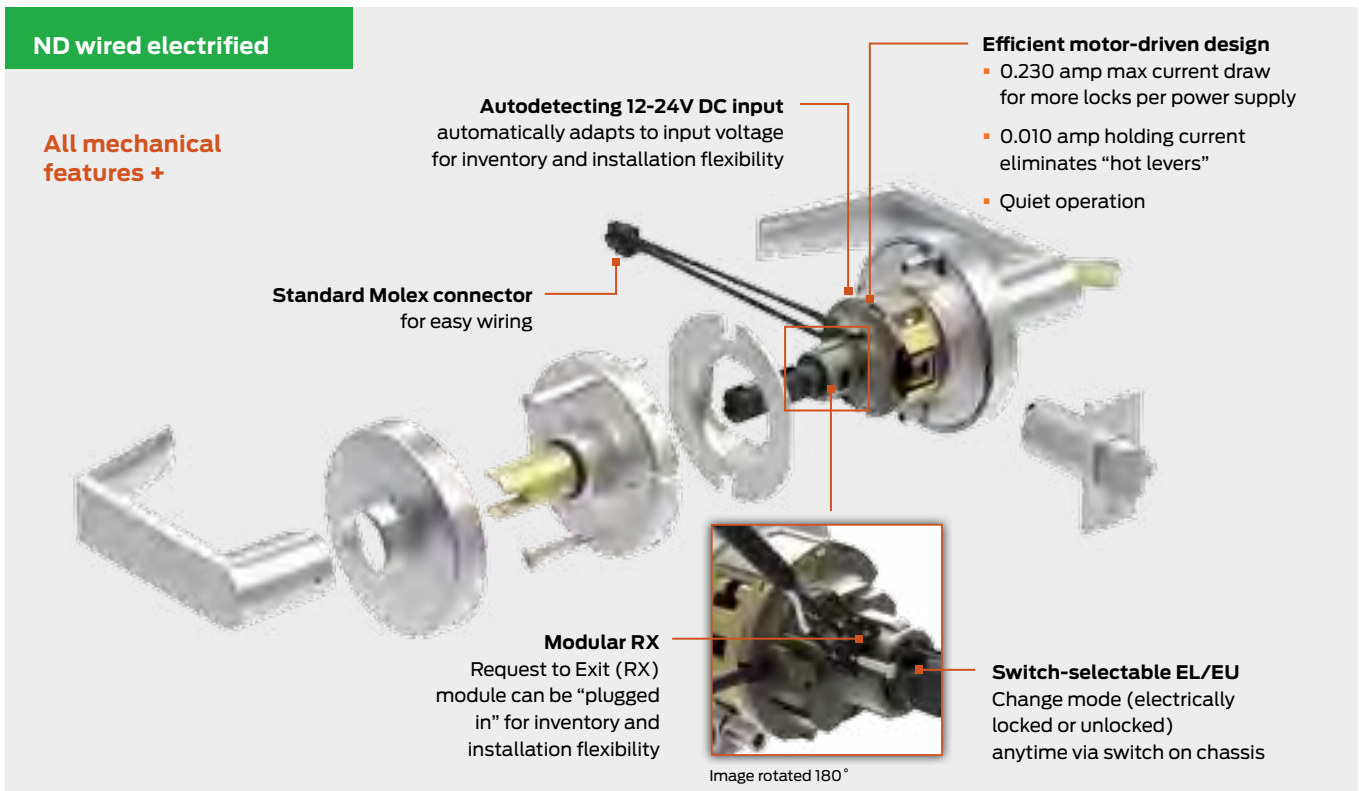
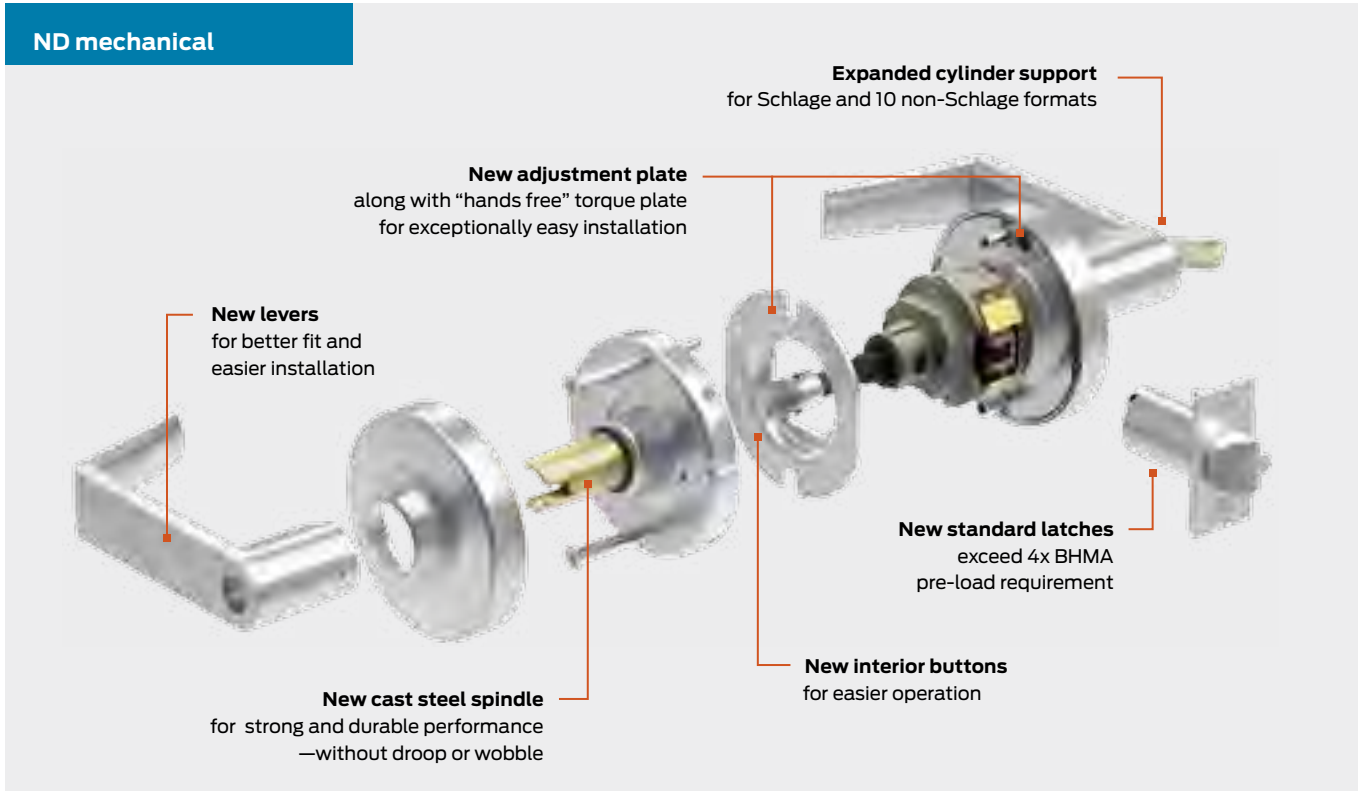
- One platform, three solutions (mechanical, wired electrified, wireless electronic)—same look and feel throughout the building for a common user experience and lower cost of ownership
- Wired electrified lock has autodetecting 12/24V input, selectable EL/EU operation, and plug-in Request to Exit (RX) for installation and inventory flexibility. Energy efficient design allows multiple locks on a single power supply with no "hot levers"
- Wireless electronic locks with ENGAGE™ can be managed with an access control system or with convenient ENGAGE web and mobile applications.
- Wireless electronic locks provide the option to leverage existing network infrastructure for offline or real-time applications
- Can upgrade from ND mechanical lock to NDE wireless electronic with only a screwdriver



Schlage is more than locks. It's the complete infrastructure of support throughout the entire build and ownership process.

- Order entry, customer service, technical support, engineering and manufacturing co-located in the same building in Colorado Springs, Colorado
- Comprehensive support from our sales offices including consultations, masterkey development and training; industry and code training, specification writing, and product service
- Schlage products suite with other Allegion brands including Von Duprin® exit devices, LCN® door closers, and Steelcraft® doors and frames
- Custom engineering department can develop specialized functions, trim and finishes for unique applications
- Trusted partner for nearly 100 years

A detailed look...





NDE wireless electronic

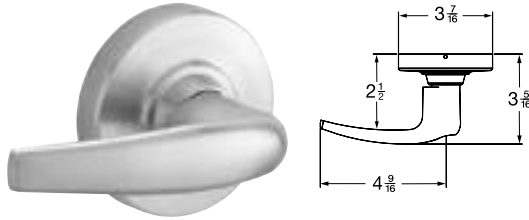
All mechanical features +



Designs and finishes

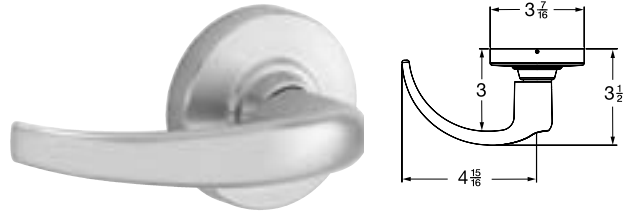
# Lever designs and finishes

Athens (ATH)<sup>2</sup>



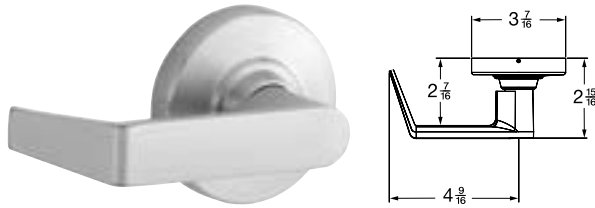
- Mechanical
- Wired electrified
- Wireless electronic

Sparta (SPA)<sup>1,2</sup>



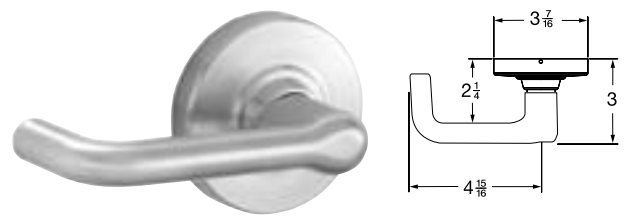
- Mechanical
- Wired electrified
- Wireless electronic

Rhodes (RHO)<sup>1,2</sup>



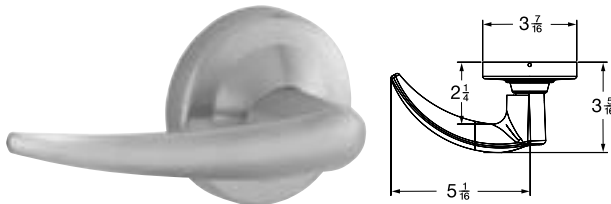
- Mechanical
- Wired electrified
- NDE wireless electronic

Tubular (TLR)<sup>1,2</sup>



- Mechanical
- Wired electrified

Omega (OME)<sup>1</sup>



- Mechanical
- Wired electrified

All levers comply with the Americans with Disabilities Act (ADA).

- 1 Rhodes, Sparta, Tubular and Omega levers comply with California State code for return within 1/2" of door face.
- 2 All levers except Omega can support cylinders from other manufacturers, see cylinder section page 24 for details.

Finish options



Color	Bright brass	Satin brass	Satin bronze	Oil rubbed bronze	Satin nickel	Matte black	Bright chrome	Satin chrome	Aged bronze
ANSI/BHMA number	605	606	612	613	619	622	625	626/626AM	643e
US number	US3	US4	US10	US10B	US15	US19	US26	US26D	US11
Mechanical	■	■	■	■	■	■	■	■	■
Wired electrified	■	■	■	■	■	■	■	■	■
Wireless electronic	■	■	■	—	■	■	■	■	■

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

## Accessibility and life safety

# Accessibility and life safety

Door hardware should be as effective in helping people go about their lives as it is in securing their environments. The Schlage ND is designed with this requirement in mind.

### Accessibility

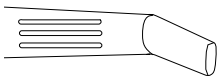
All Schlage ND levers comply with the Americans with Disabilities Act (ADA), which requires that “Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.”



### Tactile warning for the visually impaired

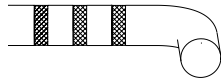
Tactile warning is a special texture applied to the outside lever to alert the visually impaired to a potential hazard on the opposite side of the door (exit to street, a workshop or other hazardous area, etc). Tactile warning is typically applied to the outside lever only, and is specified by an 8 prefix on the lever design.

Milled



Order as follows:  
8AT for Athens  
8RO for Rhodes  
8SP for Sparta

Knurled



Order as follows:  
8TR for Tubular

### Life safety

The Schlage ND is UL listed for use on 3-hour fire doors up to 4'0" x 10'0". The Rhodes, Sparta, Tubular and Omega levers comply with the California State fire code for return to within 1/2" of the door face.

Additionally, the Schlage ND exceeds the BHMA warped door test by 4x. The BHMA standard requires that the latch be able to retract with a 50lb pre-load; the ND can retract the latch with a 200lb preload - providing more range to open the door in the event the opening becomes bound or otherwise compromised.

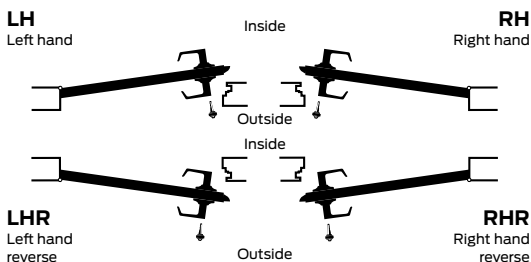
### Classroom security indicator rose

Schlage ND classroom security functions come standard with an indicator rose that clearly identify key rotation direction for rapid lockdown. For ND mechanical classroom security function only.



### Door handing

The ND lock family can be configured during installation to support any door handing. As a result, it is not necessary to specify handing during the ordering process.



# ND Series mechanical lock

The ND mechanical lock, along with being Schlage's best selling mechanical lock, is the foundation for both the wired electrified and NDE wireless electronic lock. Not only did Schlage invent the cylindrical lock, but we continue to make it better and are pleased to announce the following updates for Spring 2017:

- Unparalleled strength - the lock prevents access even when subjected to torque loads up to 3,100 in-lbs (2.6x BHMA<sup>1</sup>), withstands pry bar attacks of 1,600 lbs (8x BHMA requirements<sup>1</sup>), and withstands 100 hammer blows (20x BHMA requirements<sup>1,2</sup>)
- Exceptional durability - cycle tested to over 16M cycles (16x BHMA requirements<sup>1</sup>) with near zero droop or wobble - without the use of set screws or O-rings
- Improved feel - improved strength and durability are more than numbers, you can actually feel it in the lock
- Improved installation - installation is even easier than before (and without any set screws or O-rings)

All this is in addition to what you know and expect with the Schlage ND: 31 mechanical functions (plus wired electrified and wireless electronic) to meet the needs of any application; five lever designs that suite with other Schlage locks and Von Duprin exit devices; simple installation and renowned sales, customer, and technical support.

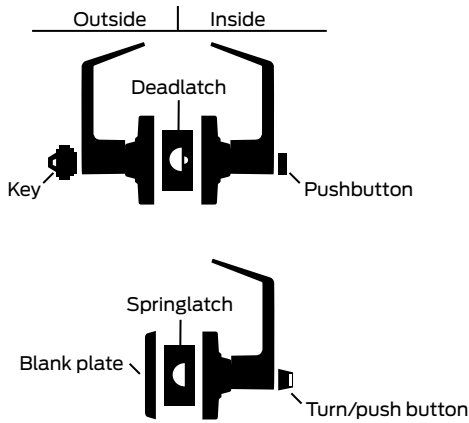


<sup>1</sup> Beyond grade 1 performance for ND locks with Schlage cylinders only (standard, FSIC & SFIC). Performance with non-Schlage cylinders will exceed BHMA grade 1 requirements but may be less than the performance of products with Schlage cylinders.

<sup>2</sup> Vertical impact testing stopped after 100 blows with no sign of failure or stress.

**ND Series mechanical lock**  
**Keyless function list**

**Legend**



Schlage ANSI

**ND10S F75**

**Passage latch**

- Both levers always unlocked.

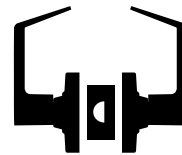
Schlage ANSI

**ND12D F89**

**Exit lock**

- Outside lever always fixed.
- Inside lever always free for immediate egress.

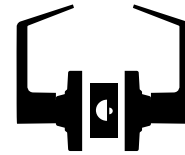
Inside



Available with RX

Outside

Inside



Available with RX

Schlage ANSI

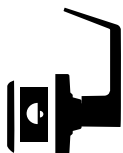
**ND25D -**

**Exit lock**

- Blank plate outside.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage ANSI

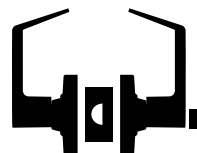
**ND40S F76**

**Bath/bedroom privacy lock**

- Push-button locking.
- Unlocked from outside with a small screwdriver.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage ANSI

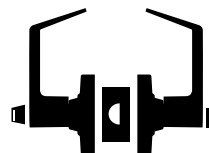
**ND44S -**

**Hospital privacy lock**

- Push-button locking.
- Unlocked from outside by turning emergency turn-button.
- Turn inside lever or close door to release button.
- Inside lever always free for immediate egress.

Outside

Inside



Schlage ANSI

**ND170 -**

**Single dummy trim**

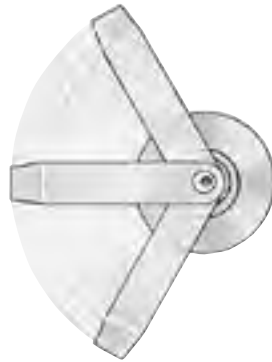
- Dummy trim for one side of door.
- Used for door pull or as matching inactive trim.

Outside/Inside



**ND Series mechanical lock**  
**Vandlgard™ function list**

Vandlgard™ trim is specifically designed for highly abusive environments. The outside lever rotates freely up and down when locked, limiting the ability of vandals to apply excessive force to the chassis



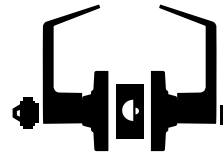
Schlage                      ANSI

**ND91PD                      F82**

**Entrance/office lock**

- Push-button locking.
- Push-button disengages outside lever until unlocked with key or by turning inside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



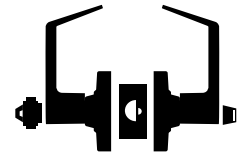
Schlage                      ANSI

**ND92PD                      F109**

**Entrance lock**

- Turn/push-button locking: Pushing and turning button disengages outside lever, requiring using 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 allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



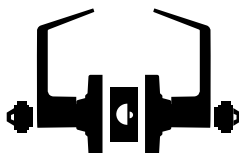
Schlage                      ANSI

**ND93PD                      F88**

**Vestibule lock**

- Latch retracted by key from outside when outside lever is disengaged by key in inside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



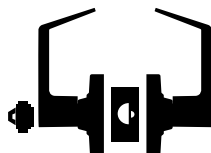
Schlage                      ANSI

**ND94PD                      F84**

**Classroom lock**

- Outside lever disengaged and unlocked by key.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



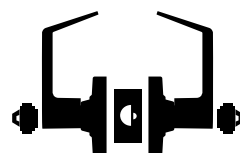
Schlage                      ANSI

**ND95PD                      -**

**Classroom security lock**

- Key in either lever locks or unlocks outside lever.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



Schlage                      ANSI

**ND96PD                      F86**

**Storeroom lock**

- Outside lever always disengaged.
- Entrance by key only.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.

**Outside                      Inside**



Available with RX