ALLEGION™

SCHLAGE®

NDE
Mobile enabled wireless cylindrical lock

Overview

The Schlage® NDE mobile enabled wireless cylindrical lock is designed to affordably extend electronic access control deeper into the building beyond traditional perimeter and high security openings. The NDE is now mobile enabled, giving users the security and convenience of using a smart device to gain access[1].

NDE wireless locks simplify installation by combining the lock, credential reader, door position sensor and request-to-exit switch all in one unit. NDE wireless locks require only minor modifications to existing mechanical Schlage ND cylindrical door prep; and eliminate the need to install additional components or run wires to each opening.

The new NDE mobile enabled wireless lock also has an interior push button with indication that expands the way the lock operates to include storeroom, office, privacy and apartment functions.

NDE wireless locks can be set up and configured wirelessly with a connected smartphone or tablet - no proprietary device needed. With the ENGAGE™ cloud-based web and mobile apps, it's easy to configure lock settings, add users, and view audits and alerts from virtually anywhere. And using the built-in Wi-Fi®, automated daily updates to lock configuration and user access rights are possible.

The open architecture design allows for advanced capabilities including networked real-time communication. Using the ENGAGE Gateway and an integrated solution from one of our physical access control software (PACS) providers,[2] Schlage offers organizations the freedom to use the solution of their choice.

The NDE is ideal for office and suite entries, conference rooms, common area doors, resident units, and sensitive storage areas with cylindrical door prep. NDE suites with all Schlage ND levers and keyways, and most finishes, providing attractive options to meet the requirements of nearly any environment.
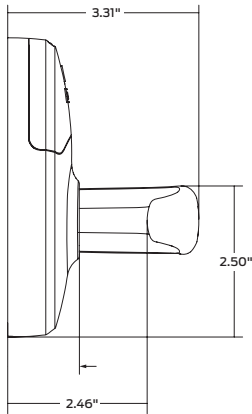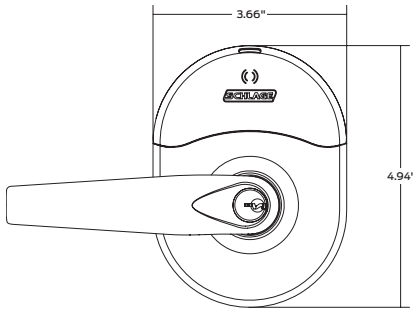
Features and benefits

- NDE includes interior push button with indication for storeroom, office, privacy, and apartment applications

- Standard multi-technology credential compatibility includes Schlage MIFARE®, Bluetooth and NFC mobile[1], and proximity
  - Optional support for HID® smart and NFC mobile credentials

- Wireless configuration from connected smartphones and tablets

- Built-in Wi-Fi® enables automated daily updates sent directly from host software

- Networked real-time communication available with the ENGAGE Gateway and PACS provider solutions

- Fits mechanical ND door prep with minor modifications

- Weather resistant design

- Lever handing is field reversible in seconds; no tools required

- Up to 2 years of battery life

1 Use of mobile credential is dependent on availability of compatible mobile credential.

2 Integration with NDE mobile enabled wireless locks required for operation. For information on PACS providers and their capabilities visit us.allegion.com/alliances.

CYBERSECURITY
Learn about Allegion's commitment

Exterior of the lock

3.66"

4.94"

3.31"

2.50"

2.46"

Interior of the lock

3.59"

7.20"

2.80"

5.03"

1.18'

1.95"
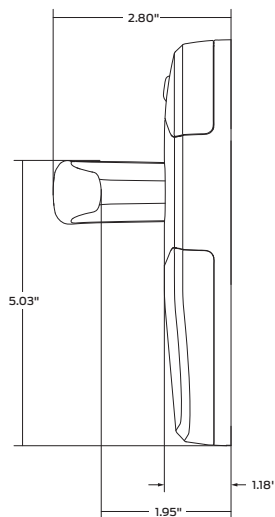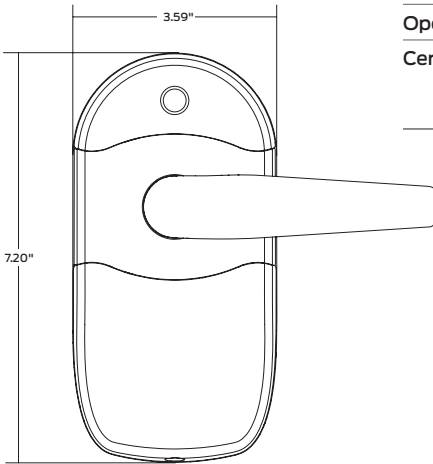
Schlage · NDE

NDE wireless lock specifications

Users	Up to 5,000 [1]
Audits	Up to 2,000 [2]
Credential verification time [3]	Smart and proximity: ≤ 1 second Mobile: mobile device dependent
Visual communications	LED (red, amber, green)
Audible communications	Audible indicator (field configurable)
Communication standards	• 2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) • WPA2, WPA, WEP, 802.1x • Bluetooth® low energy (version 4.2) • Transport Layer Security (TLS) version 1.2 • Advanced Encryption Standard (AES), 256-bit
Gateway communication range	Up to 30' in typical building environments. A detailed site survey is recommended using the ENGAGE Test Kit (TKE). Reference ENGAGE™ Gateway Data Sheet for additional detail.
Wake-Up on Radio	Responds to command from host in less than 5 seconds when linked to ENGAGE Gateway (requires PACS provider system)
Data rate	54 Mbps
Connectivity options	• Mobile device (send updates at the lock) • Wi-Fi access point (automatic daily updates[7]) • No-Tour[8] • ENGAGE Gateway (real-time communication) – RS-485 to ACP or IP to host
Battery life[4]	Uses 4 AA batteries Up to 2 years
Operating temperature	Exterior: –31º to 151ºF (–35º to 66ºC) Exterior: –13º to 151ºF (–25º to 66ºC) (NDEBSi) Interior: 32º to 120ºF (0º to 49ºC) (battery)
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25-2013 (Indoor/Outdoor), ANSI/BHMA A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C, CSA C22.2 No. 205-M1983, FCC Part 15, IC RSS-210, ADA, ICC ANSI A117.1

Functionality
- Storeroom
- Office
- Privacy
- Apartment

NDE comes with Vandlgard® standard

Available status signals
- Request-to-exit
- Door position
- Interior cover tamper [5]
- Magnetic tamper
- Battery status
- Lock/unlock status [6]
- Communication status [5]

Flexible solutions
NDE wireless locks offer connectivity options to fit any size budget or business.

1	Mobile
2	No-Tour[8]
3	Wi-Fi
4	Real-time with ENGAGE Gateway

ENGAGE™ cloud-based web and mobile applications

ENGAGE™ TECHNOLOGY

The ENGAGE cloud-based web and mobile applications deliver simple and convenient site set-up with basic access management for users and locks. Please refer to the ENGAGE data sheet for additional detail.

Download on the App Store

ANDROID APP ON Google play

1. Maximum database storage capacity of lock. Can vary by access control software database capacity.
2. Maximum audit storage capacity of lock. Can vary by access control software audit storage capacity.
3. Response time does not include latency time of host when linked with an ENGAGE Gateway or when using No-Tour.
4. Assuming indoor application, default settings, 80 actuations, interior LED disabled and one Wi-Fi update per day.
5. Consult your access control software provider for specific scope of support.
6. Software indicates lock/unlock status based on sequence of events.
7. When using the ENGAGE cloud-based access management software.
8. With MT20W and smart credential or mobile credential (consult your access control software provider for specific support)

Mechanical specifications

Chassis	Cylindrical
Handing	Right-handed from factory. Field reversible in seconds (no tools required)
ANSI standard (Meets or exceeds)	ANSI/BHMA A156.25-2013 (Indoor/Outdoor) ANSI/BHMA A156.2-2011, Series 4000, Grade 1
Door thickness	Standard: $1\,^5/_8$" - 2" (41mm - 51mm) only
Backset	Standard: $2\,^3/_4$" (70mm) Optional: $2\,^3/_8$" (60mm)
Latch bolt	Standard: $^1/_2$" (12mm) throw deadlatch (steel) Optional: $^3/_4$" (19mm) throw anti-friction deadlatch available for pairs of fire doors
Levers	Pressure cast zinc, plated
Strike	Standard: $1\,^3/_{16}$" lip, ANSI, DPS, $1\,^1/_4$" x 4" Optional: Additional strikes, lip lengths and ANSI strike box available
Cylinder and keys	Standard: Schlage 6-pin Everest 29 S123 keyway Conventional cylinder with two patented keys. Additional keying options available, including interchangeable cores, competitor brands, master keying and grand master keying

Compatible cylinders
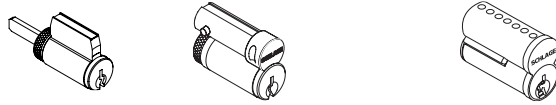
Schlage key systems	Conventional key-in-lever cylinder	Full size interchangeable core	Small format interchangeable core
With cylinder	P, P6, Z	M, R	G7
Construction core	----	T	H
Disposable core	----	----	BDC
Less cylinder	L	J	B

Compatible cylinders listed above are supported on all levers.

SARGENT® - Less cylinder	L-SAR	J-SAR	----
Corbin Russwin® - Less cylinder	L-CO6	J-CO6, J-CO7	----
Yale® - Less cylinder	----	J-YA6, J-YA7	----
Medeco - Less cylinder	----	J-MED	----

Six-pin competitive cylinders listed above are supported on ATH, SPA, RHO, and TLR levers. Seven-pin competitive cylinders listed above are supported on RHO levers.

Standard multi-technology reader specifications

Credential technologies	Proximity (125 kHz), Smart (13.56 MHz), Bluetooth Low Energy (BLE) (2.4 GHz), and Near Field Communication (NFC)
Standards	ISO standard 15693 and ISO 14443
Maximum read range	Proximity: up to 1.25" Smart: up to .75" Bluetooth Low Energy: up to 15' NFC: mobile device dependent
Proximity credential compatibility	**Compatibility:** Schlage®, ISONAS™, HID®, GE/CASI ProxLite®, AWID® and LenelProx® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, PVC adhesive disk
Smart credential compatibility[1]	**Secure sector compatibility:** Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® **CSN only compatibility:** HID iCLASS®, HID iCLASS SE®, Inside Contactless Pico Tag®, MIFARE Classic/Plus/DESFire[5], ST Microelectronics®, Texas Instruments Tag-It®, Phillips I-Code® **Schlage credential style formats:** Clamshell, ISO card, ISO card with magnetic stripe, keyfob, thin keyfob, wearable wristband, PVC adhesive patch
Mobile credential compatibility	Schlage Mobile Bluetooth® credential[2], Integrated PACS mobile credential with Bluetooth[3], NFC-enabled mobile devices[4]

Mobile enabled retrofit kits

Retrofit kits are available allowing the upgrade of legacy NDE locks to the mobile enabled model, adding the ability to read BLE mobile credentials and new functions supported by an interior push button with indication.

- Kit includes: Interior escutcheon with PCBA and DPS with lead (requires modified door prep)*

* Kit requires reuse of exterior of lock, lock chassis, existing levers/spring cages, battery cover, mounting screws and interior mounting plate.

Si option with HID® support

Supports:
- Secure application area of HID iCLASS®, iCLASS SE®, Seos® smart credentials
- iCLASS Standard Key and Elite Keys
- HID NFC mobile credentials
- All Schlage MIFARE and mobile credentials

Does not support:
- Proximity
- HID Seos Bluetooth mobile

[1] No-Tour applications require a 1K Byte Schlage MIFARE smart credential

[2] Supported through ENGAGE web and mobile apps, ISONAS Pure Access Cloud

[3] Dependent on PACS provider capabilities. Visit us.allegion.com/alliances for more information

[4] See minimum supported guidelines

[5] Specify CE-5901-0402 for ISONAS credential parity

Ordering information

NDEB – P6 –SPA–626

Series	Lever cylinder	Outside		Inside		Backset and latch	Strike	Dim	Additional details
		Lever style	Finish	Lever style	Finish				
1	2	3	4	5	6	7	8	9	10

Selections correspond with the numbers above

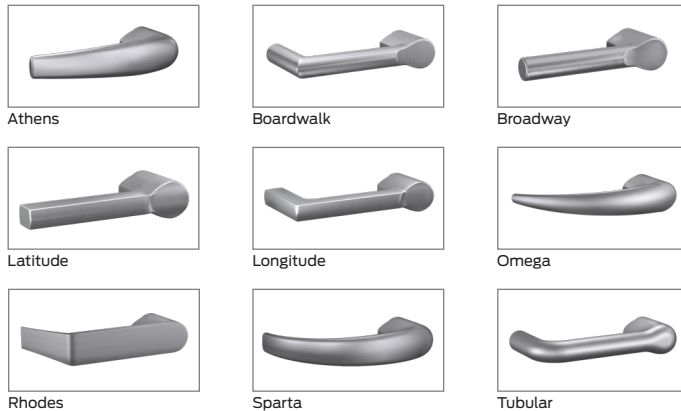Standards options are indicated in bold. See price book for specific configuration options.

1 Series
NDEB — Mobile enabled cylindrical with configurable functions

NDEBSi — Mobile enabled cylindrical with configurable functions that supports HID® credential types

Prior to ordering, confirm support with preferred PACS provider, visit us.allegion.com/alliances.

2 Lever cylinder type
P6 — Schlage 6-pin Conventional key-in-lever

See price book for other SFIC, FSIC and Less Cylinder options available. Supports Schlage, SARGENT®, Corbin, Russwin®, and Yale®.

3/5 Lever style
ATH — Athens*
BRK — Boardwalk*
BRW — Broadway*
LAT — Latitude
LON — Longitude
OME — Omega
RHO — Rhodes*
SPA — Sparta*
TLR — Tubular*

* Available with tactile surface

4/6 Finish
626 — Satin chrome
605 — Bright brass
606 — Satin brass
612 — Satin bronze
619 — Satin nickel
622 — Matte black
625 — Bright chrome
643e — Aged bronze
626AM — Satin chrome antimicrobial

7 Backset and latch
13-247 — **2 ³/₄" backset, deadlatch, square corner, 1 ¹/₈" x 2 ¹/₄"**

See price book for additional backset and latch options

8 Strike
47267101 — **1 ¹/₄" x 4 ⁷/₈" with 1 ³/₁₆" lip (NDEB)**

See price book for other available strikes

9 Dim (strike lip length)
138 — **1 ³/₈" non-standard lip length**

Enter only for non-standard strike lip lengths. See price book for other available non-standard lengths

10 Additional details
S123 — **Everest 29**

See price book for other available keyway options including restricted keyways in Primus XP high security cylinders and master keying
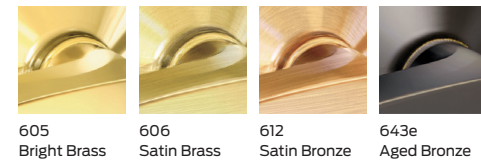
Lever styles

The NDE shares the same levers as the Schlage ND mechanical lock. All NDE locks feature mechanical key override; standard, SFIC or FSIC options available.
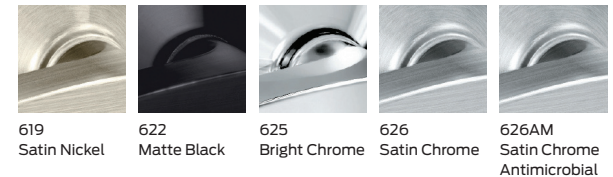
Athens

Boardwalk

Broadway

Latitude

Longitude

Omega

Rhodes

Sparta

Tubular

Finishes

Warm tone finishes

605 Bright Brass

606 Satin Brass

612 Satin Bronze

643e Aged Bronze

Cool tone finishes

619 Satin Nickel

622 Matte Black

625 Bright Chrome

626 Satin Chrome

626AM Satin Chrome Antimicrobial

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit **www.allegion.com**

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ALLEGION™