

MIAMI-DADE COUNTY

MIAMI-DADE PUBLIC LIBRARY SYSTEM



Addendum No. 5

South Dade Regional Library Interior Renovations

10750 SW 211 ST, Cutler Bay, Florida 33189

C23-MDPLS-01-ESP

2025

ADDENDUM NO. 5
23-JAN-2025

PROJECT: **South Dade Regional Library Interior Renovations**
10750 SW 211 ST, Cutler Bay, Florida 33189

BID DUE DATE: **13-FEB-2025**

FROM: Miami-Dade Public Library System (MDPLS)
Capital Program Division
101 West Flager Miami, FL 33128

TO: Prospective Bidders and Interested Parties

This Addendum forms part of the project solicitation documents and will be incorporated into the Contract Documents, as applicable. Insofar as the Original Contract Documents, Drawings and Specifications are inconsistent, this Addendum shall govern. Please acknowledge receipt of this Addendum, at the time of bid submittal to Miami-Dade County, in the space provided on the "Acknowledgement of Addenda Form" provided with the project solicitation documents. Failure to acknowledge receipt of all addenda may be cause for disqualification.

Miami-Dade County's "Cone of Silence", Section 2-11.1(t) of the Code of Miami-Dade County, approved by the Board of County Commissioners, specifically prohibits communication in regard to this bid solicitation with County staff except as allowed by the Code. The period covered by the "Cone of Silence" is defined in the Code.

Bidders must file a copy of any written communication with the Clerk of the Board, which shall be available to any person upon request. Miami-Dade Public Library System (MDPLS) shall respond in writing and file a copy with the Clerk of the Board, which shall be made available to any person upon request. Written communications for questions, Request for Information (RFI) and addendums may also be in the form of e-mail addressed to Shiham Lorenzo at cgb@mdpls.org with copy to the Clerk of the Board at clerk.board@miamidade.gov.

CHANGES TO BID SUBMITTAL DUE DATE: 1. Change Bid Due Date from Friday, January 31, 2024, to **THURSDAY, FEBRUARY 13, 2025 time, and place remains unchanged.**

RFI QUESTIONS AND RESPONSES CONTINUED:

Q63. Plan Sheet M-1 calls for the existing Chiller Plant to be raised. Is the intent to include in the Base Bid the reusing of the same existing Chiller Plant and related pieces of equipment after raising the Slab and reinstalling it? We cannot be sure it would meet the current existing Code requirements. Please confirm the Reinstallation of the existing Chiller Plant and related equipment is part of the Base Bid.

Response Q63. Chiller Plant, and associated components, etc., will be replaced with a new system. This is not part of the base bid, but to be included in the alternate pricing as part of the bid.

Q64. Plan M-1 shows a new exterior wall cap for the new dryer exhaust duct on the 1st floor exterior building face. Are structural changes required, like adding columns and beams, to create the new opening in the exterior envelope of the building? Please clarify and provide structural details for new cap opening.

Response Q64. Refer to structural sketch attached.

Q65. Plans M-1 and M-2 show all return air intakes without any return ducts. Please confirm the 1st and 2nd floor AC system are using the ceiling space to function as a return plenum.

Response Q65. Confirmed.

Q66. Plan M-2 shows a new dryer located on the 2nd floor with an exhaust duct going towards the men's group restroom, but no details are shown as to where that duct discharges into. Does it go up to the roof level? Please clarify where the exhaust duct connects.

Response Q66. Dryer is ventless.

Q67. Plan M-3 calls for a full Test and Balance of the AC system to be done by an independent company. Is this to be done and paid for by Owner? Or the GC? Please clarify.

Response Q67: The test and balance company must be an independent company and is paid by the contractor, to be reimbursed by the Owner as a direct cost with no mark up.

Q68. Plan E-0 Electrical Legend Notes calls for the Telecom System and the TV cable system to only be provided with empty 3/4" conduits and calls for face plates and cabling to be provided by Owner. Please confirm.

Response Q68: This is part of the Audio-Visual design-build component on Volume II. Refer to Q5 response.

Q69. Plan FP-3 showing the Fire Protection underground line is shown with a scale of 1/8"= 1'-0" but seems to be wrong. Please clarify and provide correct scale for the plan.

Response Q69: Updated FP-3 plan was released as part of Addendum 3. Contractors and Subcontractors shall investigate and confirm any and all existing conditions prior to submitting their bid. The contractors are also responsible for coordinating the existing conditions with the new work.

Q70. Plan FP-3 showing the Fire Protection underground line shows a note that say, "for referenced only" and refers you to the civil plans. We cannot find any civil plans in documents provided. Is the underground line already installed? Please clarify which portion of the Underground work is existing (if any) and clearly identify the point of connection for the new 4" Fire line to the building.

Response Q70: Refer to Response Q27.

Q71. Specification Section 014000, Item 1.08 calls for the Contractor to hire an independent Testing agency which is in contradiction with General Conditions Article 7-13-C in which states that testing of samples of materials will be made at the Owner's expense by the project testing laboratory. Please confirm all material Testing, such as concrete testing and soil testing, is by Owner.

Response Q71: The Contractor will be responsible to hire an independent testing agency for any testing required by the Owner or Building Department. The Owner will reimburse the Contractor for the direct cost of these testing fees from the Dedicated Account.

Q72. Specification Section 017419, Item 1.0-C and 10-E states "Owner may decide to pay for additional recycling, salvage and or reuse" for a list of items to be consider for Recycling such as Gypsum drywall and plaster, plumbing fixtures and electrical equipment (among other mentioned materials), of which there is a large quantity expected due to the selective demolition of all finishes. Please clarify if Owner is requesting all items mentioned in the list of items to be recycle, so we can estimate accordingly.

Response Q72: The Contractor should follow best practices for disposing any demolished construction materials. The Library will not require additional recycling.

Q73. Specification Section 055213, Item 2.03 for the pipe and tube railings calls for providing a "steel railing system" but Item 2.01 showing approved manufacturers calls for Aluminum railings. Please clarify which instruction prevails.

Response Q73: Aluminum railing. See revised Section 055213.

Q74. Specification Section 078123, Articles 2.01 and 2.02 calls for providing Intumescent Fire Protection coatings, but we cannot find in plans at which surfaces such coating need to be applied. Is this for the ALL the proposed gypsum walls? Please clarify room locations and which materials will require the specified Intumescent Fire Coating.

Response Q74: Disregard section; intumescent paint not in project.

Q75. Specifications Section for the interior standard storefront systems and doors are missing, as shown in plans A-9 and A-9.1. Please provide missing section of Specifications.

Response Q75: See revised Section 102310.

Q76. Specification Section 087110 for Door Hardware Sets includes Hardware Group 1 thru 14, but Door Schedule only shows groups from #1 thru #5 as being required. Please confirm we are to disregard the Groups not shown in Door Schedule at plan sheet A-10.

Response Q76: Section 087110 should be followed. Refer to the supporting document provided that clarifies each door's hardware according to Section 087110 and the Catalog cuts. Quantity to be verified in field prior to any manufacture ordering.

Q77. Specification Section 095416 for Luminous Ceilings was included but we cannot find in plans where the Luminous ceilings are located. Please clarify location or if none is required can we disregard the specification section.

Response Q77: See PART 2 PRODUCTS 2.01 MANUFACTURERS – A. from the above-mentioned section. It refers to the Infusions Shapes listed on the 'Ceiling Legend' on sheets A-3 and A-4.

Q78. Specification Section 096623 for Terrazzo Flooring was included but we cannot find the locations of the areas where the Terrazzo is required. Is the intent to use Terrazzo at the items #13 and #14, or do those areas are truly Fluid Applied Epoxy flooring? Please clarify and Omit the Terrazzo specifications if not required.

Response Q78: Those areas are Fluid Applied Epoxy flooring. Disregard section 096623, Terrazzo Flooring not in project.

Q79. Specification Section 096700 for Fluids applied Floors was included, but we are not sure about the locations for the Fluid applied Epoxy floorings in the plans. Do items #13 and #14 refer to Fluid Applied Epoxy Flooring? Please clarify which rooms require the fluid applied flooring.

Response Q79: Items #13 and #14 refer to Fluid Applied Epoxy Flooring. Refer to response Q8.

Q80. Specifications Section 096813 for Tile Carpeting was included, but we cannot find the locations for Tile carpeting. Plan sheet A-11 calls for "broadloom" sheet carpet (separate specification section) on both floors. Please clarify if we can Omit the specification section for Tile Carpeting.

Response Q80: See PART 2 PRODUCTS 2.01 MANUFACTURERS – A. from the above-mentioned section. It refers to tiles from the Forbo Flotex Flooring Systems. Finishes #3 and #30 in the 'Finish Legend' on sheet A-11.

Q81. Specifications Section 102310 for glazed interior wall and door assemblies (similar to the Nanawall systems) was included but detail shown in plans A-9 and A-9.1 calls for standard interior storefront systems and storefront doors, not movable or collapsible storefronts. Please clarify if we can disregard the specifications section 102310 or provide the locations where it applies.

Response Q81: Refer to Response Q75.

Q82. Can you please provide the name of the companies that provide service to the fire alarm and Fire sprinklers system actually on the library.

Response Q82: The contractor is free to use his fire alarm/fire sprinkler vendor. However, as it relates to the fire alarm system the contractor must have his vendor provide monitoring service as well as any equipment repair/replacement for a period no less than one year at no additional cost.

After that one year period the MDPLS will have their vendor take over the monitoring/service of the fire alarm system/equipment.

Q83. The containers requested to be provided must be new containers?

Response Q83: Yes, Containers must be new.

Q84. Who is going to be responsible for the storage of the books? ·

Response Q84: Refer to response Q10.

Q85. Any existing book shelve will be salvage?, I case of affirmative answer, who will be responsible for the disassembly and storage of the shelves? ·

Response Q85: Refer to response Q10.

Q86. Is it possible that you could provide us with the current as built plans of the library?

Response Q86: The contract documents are the most current drawings to date of the library. Contractors and Subcontractors shall investigate and confirm any and all existing conditions prior to submitting their bid. The contractors are also responsible for coordinating the existing conditions with the new work.

Q87. Provide detail 15/A-12.

Response Q87: Refer to Addendum 3 for updated drawing A-11.

Q88. Provide flooring plan.

Response Q88: Refer to response Q8.

Q89. Clarify where the transition between 128 Non print Material / 127 orientation Hub (Epoxy flooring) and 152 Bookshelves (Forbo floor system) will be located. .

Response Q89: Refer to Response Q8.

Q90. Clarify finish floor plan required for 110, 114 TO 117, 120 to 123, 151, 154. As per A-11 these were specified with 3 Forbo Flooring & 17 Carpet.

Response Q90: Refer to Response Q8.

Q91. Clarify finish floor plan required for 127 and 128. As per A-11 these were specified with 13 Epoxy & 3 Forbo Flooring.

Response Q91: Refer to Response Q8.

Q92. Clarify finish floor plan required for 101, 107. As per A-11 these were specified with 13 Epoxy & 17 Carpet.

Response Q92: Refer to Response Q8.

Q93. Clarify finish floor plan required for 205 to 210, 212, 215, 217, 219, 223& 225. As per A-11 these were specified with 30 Forb Flooring & 18 Carpet.

Response Q93: Refer to Response Q8.

Q94. Clarify floor finish required for 235 storage room. A-11 specifies 1 exposed concrete and 2 vinyls for the same area.

Response Q94: This should be finish #2.

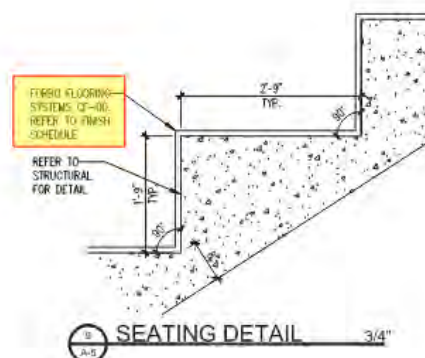
Q95. VCT was specified for IT rooms. Please confirm SDT won't be required in those areas. **Response Q95: Yes, SDT is required for the IT rooms. Armstrong Flooring provides VCT with SDT performance. GC to provide samples for client/architect approval.**

Q96. 106 Aisle Stair seating was specified on A-11 with 4 Vinyl. However, details on A-5 call for Forbo flooring there. Please clarify finish required at that location.

Response Q96: Sheet A-11 should be followed. Refer to sheet A-5 updated.

No.	NAME	EXPOSED CONCRETE	EPOXY	FORBO FLOOR SYS	CARPET	TILE	VINYL	EPOXY
101	FOYER ✓		13		17			
102	CATIO ✓		13					
103	CATIO STORAGE ✓		13					
104	PASSPORT ✓						4	
105	STORAGE ✓						2	
106	aisle stair seating ✓						4	
107	LOBBY ✓		13		17			

4.	LVT-01 MOHAWK GROUP. SIZE: 9.25"X59". COLOR: 822 UNICOL
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Q97. A-11 specify 17 carpet cf-01: MOHAWK, QT90099, PDI, BROADLOOM, GREEN. Do you mind MOHAWK COLOR STUDY 30(See attached spec)? If yes, please clarify color as per color chart. If not, provide specific collection.

Response Q97: Refer to supporting document from Mohawk.

Q98. A-11 specify 18 carpet cf-01: MOHAWK, QT90099, PDI, BROADLOOM, BLUE/MAPLE. Do you mind MOHAWK COLOR STUDY 30(See attached spec)? If yes, please clarify color as per color chart. If not, provide specific collection.

Response Q98: Refer to Response Q97.

Q99. Regarding the details and equipment shown on page A-6.

- Gel Floor Tile Pathway,
- Tactile interactive walls panels,
- Interactive Light Components,
- Interactive Infinity Star panel
- Interactive fiber optic Cascade,
- Seating Protection wall,
- Programmable Bubble tubes.
- Alcove seating
- Fiber optic softie beanbag
- Seating Projection Wall

Could you please clarify if all these items will be supplied by the Owner or by the GC. If they will be supplied by the GC, could you please send the reference brands and models.

Response Q99: Refer to response Q20.

Q100. The collection and storage or disposal of the furniture and shelves currently in the library will be the responsibility of the GC? If so, is there an inventory of them that can be provided to us?

Response Q100: The Library will remove all books and equipment prior to construction and before issuance of a Notice to Proceed to the Contractor. The Contractor will be responsible for the removal and disposal of any furniture, fixtures and equipment left inside the library. An inventory of the furniture to be disposed is not available, however the library is open to the public and most items can be viewed during normal library business hours. Back of house spaces typically contain shelving, desks, chairs, carts, and other office type furniture.

Q101. Who will be responsible for the mobilization and storage of the books currently in the library?

Response Q101: The Library will remove all books and equipment suitable for re-use prior to construction and before issuance of a Notice to Proceed to the Contractor.

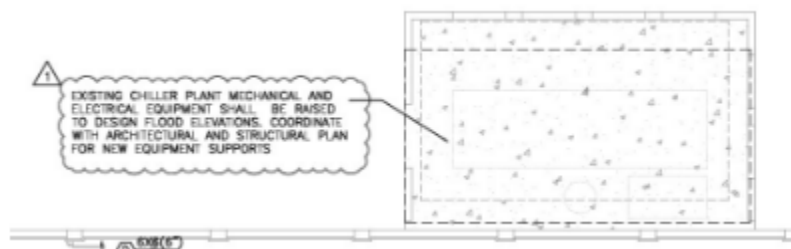
Q102. Regarding the Ceiling Tiles the following needs to be clarified,
A - 705 does not come in black B - 48x48 only available in Lyra or Optima
Recommendation A 1728B Fine Fissured black B - Lyra or Optima

Response Q102: Refer to response Q11.

Q103. According to the M-1 and M-2 plans, there are (10) existing VAVs that must be relocated. In order to estimate the costs of relocating these VAVs, we need to have a Demolition Plan showing the dimensions of the ducts where they are currently connected to estimate the cost of the repair of that existing duct and its insulation. In addition, depending on the interior remodeling work, if there are sections of existing main ducts and/or branches that need to be demolished and discarded.

Response Q103: Contractor shall visit the site to become familiar with all existing conditions and scope of work.

Q104. According to the note shown on drawing M-1 (see below), to raise the existing concrete pad level to 2'-0", it is required to disconnect the system and temporarily remove the Air Cooled Chiller from the Chiller Yard enclosure with all hydronic specialties, piping sections, control valves, electrical disconnects, conduits, equipment platform, etc. (see the site pictures below)



In reference to this, please confirm if the existing Air Cooled Chiller is under factory warranty. If the equipment is still under the factory warranty, it is not recommended to disconnect the equipment and move it from the location because the warranty will be lost.

Response Q104: Refer to response Q63.

Q105. Furthermore, during the site visit, it was observed that in the existing walls of the Chiller Yard enclosure (apparently built with prefabricated concrete panels) include (6) ventilation louvers that are at least 12" from the finished floor level of the existing concrete pad. By raising the level of the existing concrete pad to 24" these louvers would be affected. It would be necessary to uninstall the louvers and

enlarge the existing openings in the vertical direction by cutting the panels, which would affect their structural reinforcement.

Please confirm how to proceed.

Response Q105: Refer to the Structural drawings sheet S-4 and sheet A-1, it is anticipated that the concrete pad or platform will not extend to the chiller enclosure walls for equipment clearance.

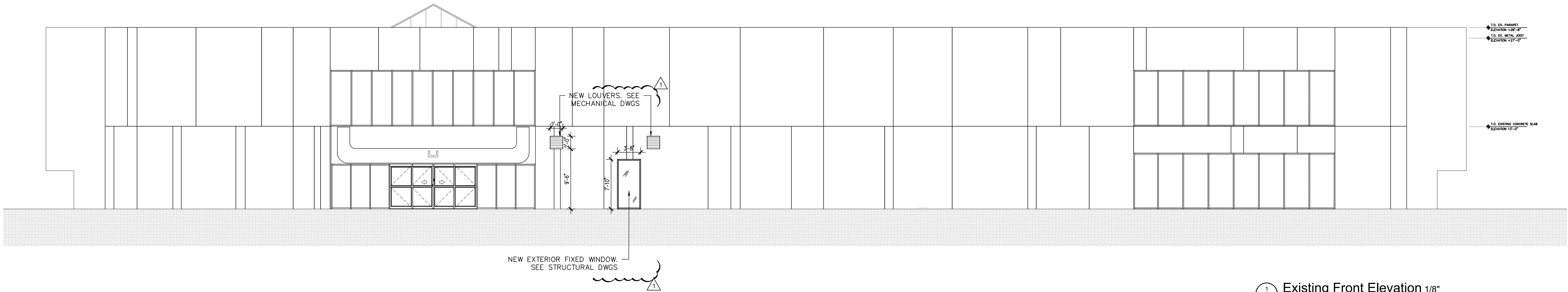


Q106. Multiple VAVs are noted in the drawings. Several noted to be relocated, and others appear to be new.

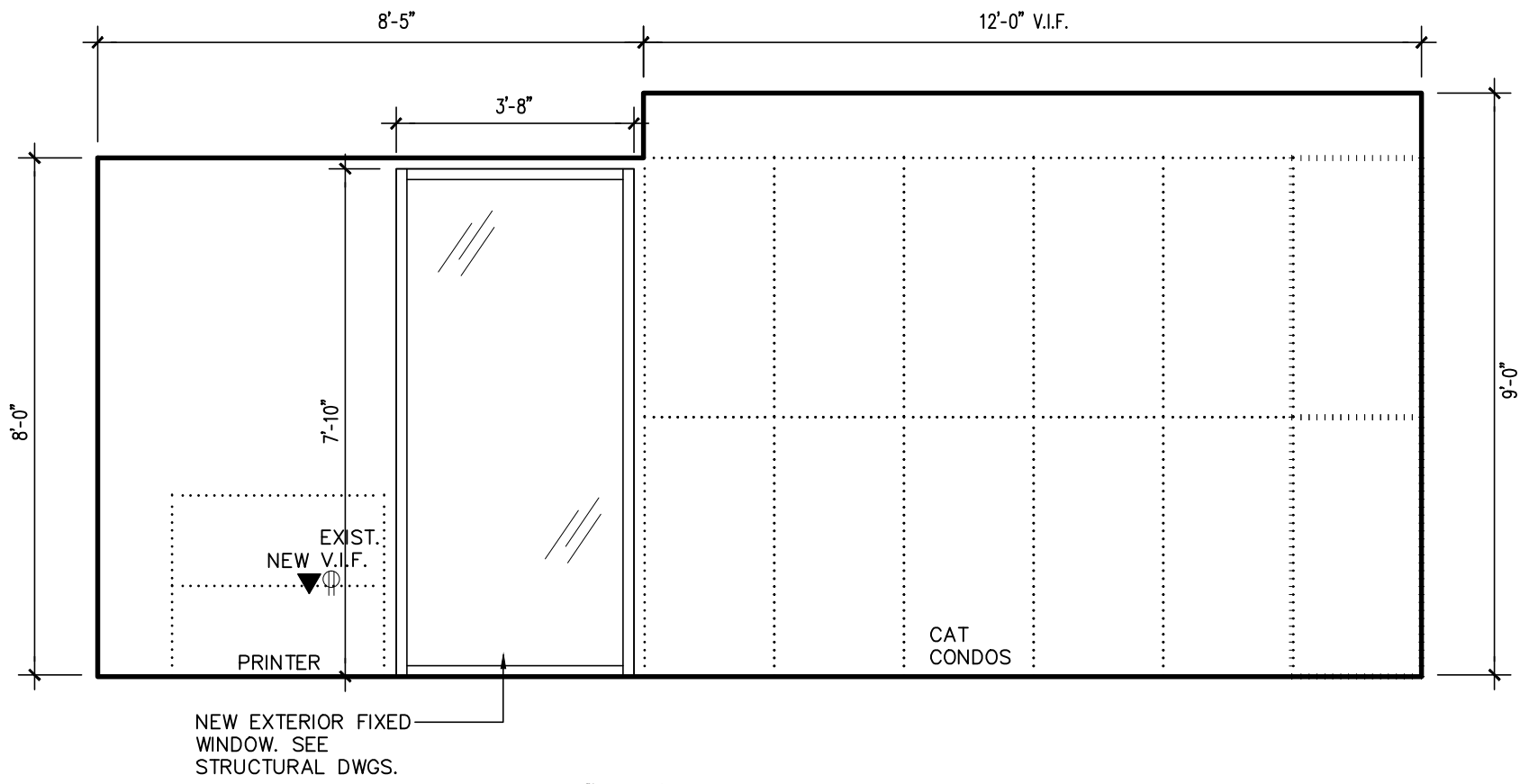
Please provide a Schedule for the VAV's noting which are to be relocated and which are new.

Response Q106: All VAVs are existing. Contractor shall visit the site to become familiar with all existing conditions and scope of work.

John Roberts Forbes
AR0009810
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1 Existing Front Elevation 1/8"
A-22



2 Catio Interior Elevation 3/8"
A-22

Project:

South Dade Regional Library
Interior Alteration
10750 SW 211 Street
Cutler Bay, FL 33189
Miami-Dade County Internal Service Department / Design and Construction Service Division
111 NW 1st St Suite 2420
Miami-Dade, FL 33128

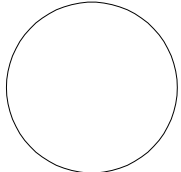
Owner:

Date
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Commission
20026

Revisions
1/11-x-2024

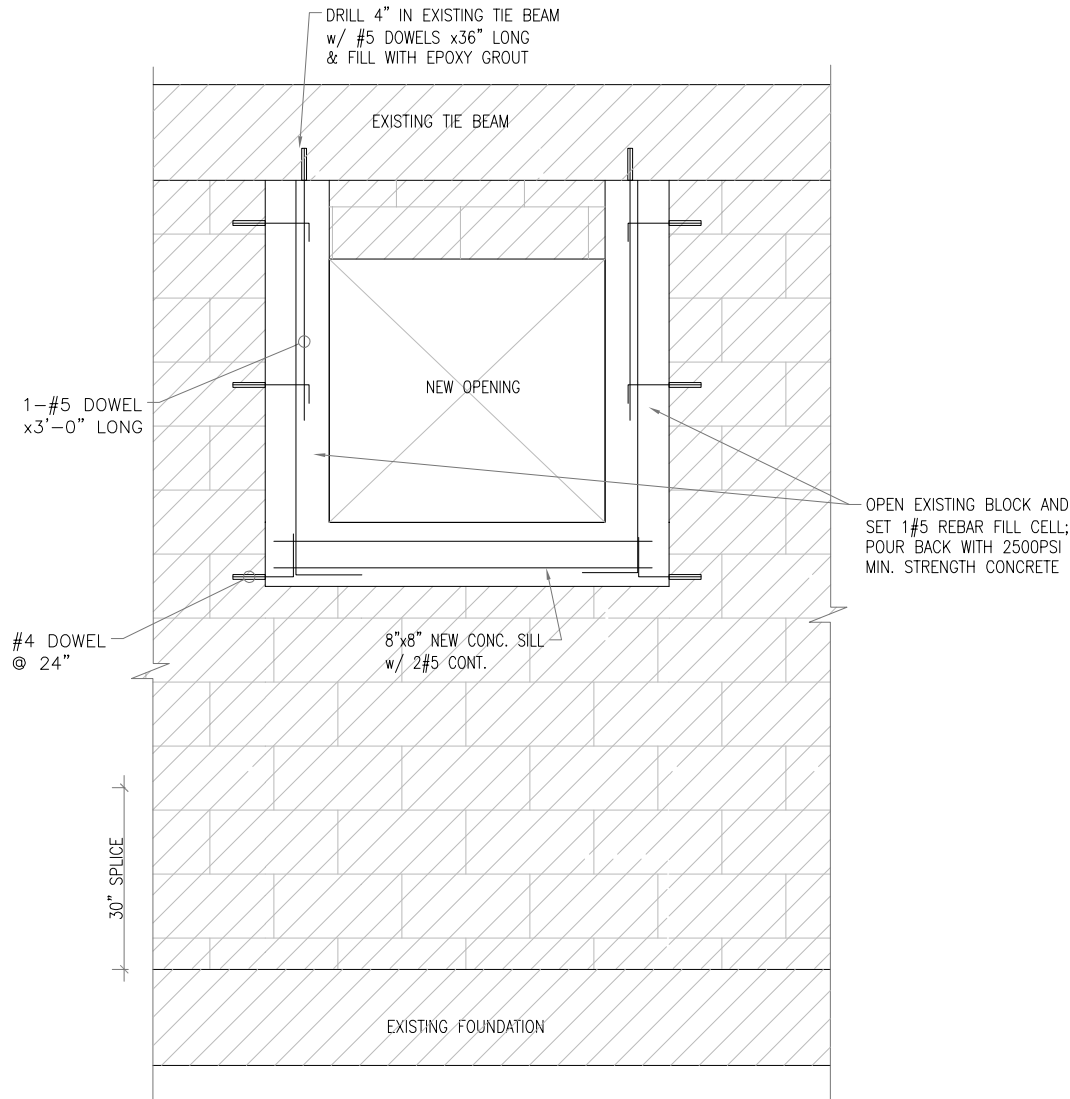
Sheet

A-22
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YOUSSEF HACHEM, Ph.D., P.E.
 No. 43302

SOUTH DADE REGIONAL LIBRARY
 10750 SW 211 STREET
 CUTLER BAY, FL 33189



TYPICAL NEW WINDOW OPENING DETAIL
 3/4"=1'-0"

DATE	REVISION

DWG. TITLE	RFI # 64
SCALE	01-20-2025
AS SHOWN	
BY	CHKD
KA	YHH
PROJECT NO.	H220180
DATE	01/20/2025
SHEET NUMBER	



SECTION 102310
GLAZED INTERIOR WALL AND DOOR ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Work includes labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing operations in connection with furnishing, delivery and installation of the work of this Section, meeting current building codes and manufacturer's latest printed instructions, complete as shown on the drawings and/or specified herein.

1.02 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene at project site seven calendar days prior to scheduled beginning of construction activities of this section to review section requirements.
 - 1. Require attendance by representatives of installer and other entities directly affecting, or affected by, construction activities of this section.
 - 2. Notify Architect four calendar days in advance of scheduled meeting date.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's descriptive literature for each component in partition assembly.
- C. Shop Drawings: Drawings showing layout, dimensions, identification of components, and interface with adjacent construction.
 - 1. Include field measurements of openings.
 - 2. Include Elevations Showing:
 - a. Locations and identification of manufacturer-supplied door hardware and fittings.
 - b. Locations and sizes of cut-outs and drilled holes for other door hardware.
 - 3. Include Details Showing:
 - a. Requirements for support and bracing of overhead track.
 - b. Installation details.
 - c. Appearance of manufacturer-supplied door hardware and fittings.
- D. Selection Samples: Two sets, representing manufacturer's full range of available metal materials and finishes.
- E. Verification Samples: Two samples, minimum size of 2 inch by 3 inch, representing actual material and finish of exposed metal.
- F. Design Data: Design calculations, bearing seal and signature of structural engineer licensed to practice in Florida, showing loads at points of attachment to the building structure.
- G. Certificates: Contractor to certify that installer of partition assemblies meets specified qualifications.



- H. Operation and Maintenance Data: For manufacturer-supplied operating hardware.
- I. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- J. Specimen Warranty.
- K. Manufacturer's Installation Instructions: Include complete preparation, installation, and cleaning requirements.
- L. Fabricator's Qualification Statement.
- M. Manufacturer's Qualification Statement.
- N. Installer's Qualification Statement.

1.04 QUALITY ASSURANCE

- A. Fabricator Qualifications: Minimum three years of experience designing, assembling, and installing partition assemblies similar to those specified in this section.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with not less than three years of documented experience.
 - 1. Provide certified glass products through ANSI accredited certifications that include plant audits and independent laboratory performance testing.
- C. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
 - 1. Provide company, field supervisors, and installers that hold active ANSI accredited certifications in appropriate categories for work specified.
 - a. Equivalent independent third-party ANSI accredited certification.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until installation.

1.06 WARRANTY

- A. See Section 017800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a one year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty against excessive degradation of metal finishes. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Framed Glazed Interior Wall and Door Assemblies:
 - 1. DORMA USA, Inc.; www.dorma.com/#sle.



2.02 PERFORMANCE REQUIREMENTS

- A. Acoustical Performance: Provide glass partitions and door assemblies tested by qualified testing agency, calculated in accordance with ASTM E413, tested in accordance with ASTM E90, and rated for not less than Sound Transmission Class (STC) indicated.
 - 1. Partition STC Rating: 45, minimum, for framed partition.

2.03 FRAMED GLAZED INTERIOR WALL AND DOOR ASSEMBLIES

- A. Framed Glazed Interior Wall Assembly: Factory fabricated assemblies consisting of center-glazed perimeter channel frames, butt-glazed dry joints and framed joints between panels.
 - 1. Configuration: As indicated on drawings.
 - 2. Surface mounted to face of wall as indicated on drawings.
 - 3. Frame Finish: Class II natural anodized.
 - 4. Perimeter Anchors: Aluminum.
 - 5. Coordinate wall and door assembly preparation and provide hardware as necessary for fully operable installation.
 - 6. Design system to withstand normal operation without damage, racking, sagging, or deflection.
 - 7. Factory assembled to greatest extent practical; may be disassembled to accommodate shipping constraints.
- B. Aluminum Doors: Medium stile aluminum doors, alloy 6063, T5 temper, extruded aluminum.
 - 1. Door Configuration: As indicated on drawings.
 - 2. Stile Width: 3-1/2 inch.
 - 3. Top Rail Height: 3-3/16 inch.
 - 4. Bottom Rail Height: 6-1/2 inch.
 - 5. Glazing Infill: 1/4 inch, laminated.
 - 6. Glazing Stops : 1/2 inch high.
 - 7. Finish: Class I natural anodized.
 - 8. Finish Color: Clear anodized.
 - 9. Door Hardware: Ladder pulls, 1 inch diameter solid aluminum with 2-1/2 inch projection at lock stile.
 - 10. Provide accessories as required for complete installation.
 - 11. Provide metal backing plate at door hinges and securely fasten within partition framing.

2.04 FITTINGS AND HARDWARE

- A. Overhead Concealed Closers and Bottom Pivots: Non-handed closer for both single and double-acting doors with mechanical backcheck, and meeting requirements of BHMA A156.4, Grade 1.
 - 1. Application: Offset hung, with swing as indicated on drawings.
 - 2. Hold Open: Fixed.
 - 3. Opening Force: Comply with requirements of authorities having jurisdiction.

RFI



**MIAMI-DADE COUNTY, FLORIDA
PROJECT: C23-MDPLS-01-ESP**

Miami-Dade Public Library System
101 West Flagler Street
Miami, Florida 33130-1523
T 305-375-BOOK
miamidade.gov

4. Door Weight: Maximum 200 lbs for exterior doors, and 250 lbs for interior doors, including hardware.
5. Closer Dimensions: Compact closer body designed to fit 1-3/4 inch by 4 inch or smaller header, with aluminum cover plate.
6. Cover Plate Finish: As indicated.
7. Provide accessories as required for complete installation, including wall/floor stop.

B. Acoustic Seals: Provide acoustic seals in accordance with project requirements.

2.05 MATERIALS

- A. Glass: Flat glass meeting requirements of ASTM C1036, Type I - Transparent Flat Glass, Class 1 - Clear, Quality Q3, laminated and as follows:
 1. Thickness: 1/4 inch.
 2. Color: Clear.
 3. Glazing Stops: Square edge, with rubber glazing gaskets.
 4. Glazing Gaskets: Provide flexible vinyl for non-fire rated and elastomeric silicone for fire rated frames.
 5. Prepare glazing panels for indicated fittings and hardware before tempering.
 6. Polish edges that will be exposed in finished work to bright flat polish.
 7. Temper glass materials horizontally; visible tong marks or tong mark distortions are not permitted.
- B. Aluminum Components: Complying with ASTM B221 (ASTM B221M), alloy 6063, T5 temper.
- C. Sealant: One-part silicone sealant, complying with ASTM C920, clear.

2.06 FINISHES

- A. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that track supports are properly braced, level within 1/4 inch of required position and parallel to the floor surface.
- C. Verify floor flatness of 1/8 inch in 10 feet, non-cumulative.
- D. Do not begin installation until supports and adjacent substrates have been properly prepared.
- E. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Clean substrates thoroughly prior to installation.

RFI



- B. Prepare substrates using the methods recommended by the manufacturer for achieving acceptable result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Install in accordance with glazed interior wall and door assembly manufacturer's instructions.
- B. Fit and align glazed interior wall and door assembly level and plumb.

3.04 ADJUSTING

- A. Adjust glazed interior wall and door assembly to operate smoothly from sliding or pivoting positions.
- B. Adjust swing door hardware for smooth operation.

3.05 CLEANING

- A. Remove protective film from exposed metal surfaces.
- B. Metal: Clean exposed metal finishes with potable water and mild detergent, in accordance with manufacturer recommendations; do not use abrasive materials or chemicals, detergents or other substances that may damage the material or finish.
- C. Glass and Glazing: Clean glazing surfaces; remove excess glazing sealant compounds, dirt, and other substances.
- D. See Section 017419 - Construction Waste Management and Disposal, for additional requirements.

3.06 CLOSEOUT ACTIVITIES

- A. See Section 017800 - Closeout Submittals, for closeout submittals.
- B. Demonstrate operation of glazed interior wall and door assembly and identify potential operational problems.

3.07 PROTECTION

- A. Protect installed products until Date of Substantial Completion.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

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Catalog Cuts

For

20026 South Dade Regional Library

Sorted By DHI Sequence

Prepared By

Ernesto Alvarez

Created On 7/10/2024

Generated By



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Meets ANSI/BHMA A156.1
A8133 – Steel
A5133 – Stainless Steel
A2133 – Brass

5PB1 5 Knuckle, Plain Bearing Full Mortise Hinge

- For standard weight doors
- Low frequency usage
- Packed with wood and metal screws

Not for use with a door closer.

Options

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

Dimensions

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	89 x 89	0.123
4 x 4	102 x 102	0.134
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134
5 x 4.5	127 x 114	0.134



Meets ANSI/BHMA A156.1
A8112 – Steel
A5112 – Stainless Steel
A2112 – Brass

5BB1 5 Knuckle, Ball Bearing Full Mortise Hinge

- For standard weight doors
- Medium frequency usage
- 2 ball bearing
- Packed with wood and metal screws

Options

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

Dimensions

Size (Inches)	Size (mm)	Gauge	Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	80 x 102	0.130	5 x 4.5	127 x 114	0.146
4 x 4	102 x 102	0.130	5 x 5	127 x 127	0.146
4.5 x 4	114 x 102	0.134			
4.5 x 4.5	114 x 114	0.134			

Finishes brass

Ives Finish	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	605	606	612	613	614	616	619	625	626

Finishes steel

Ives Finish	USP	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	600	632	633	639	640	641	643	646	651	652

Finishes stainless steel

Ives Finish	US32	US32D
BHMA	629	630



Meets ANSI A156.3 Type 27.
UL Listed 3 Hour Fire Doors 8'0" x 10'0"

FB51P Top and Bottom Bolts (Pair)

- Constant Latching—inactive door remains latched until the active door is opened, releasing the automatic bottom bolt and then the top bolt can be manually released. Inactive door will relatch automatically when closed.
- Low Actuation Forces.
- Fits standard ANSI A115.4 Door and Frame Preparations.
- Non-handed.
- 3/4" bolt throw with a 7/8" vertical adjustment.
- 3/4" backset
- Standard Rod Length is 12", which is measured from the center of the flush bolt body to the bolt tip. Optional rod lengths available for top bolt only on non-fire rated openings—18", 24", 36" and 48".

DP1 or DP2 optional dust proof strike available, see page C11.

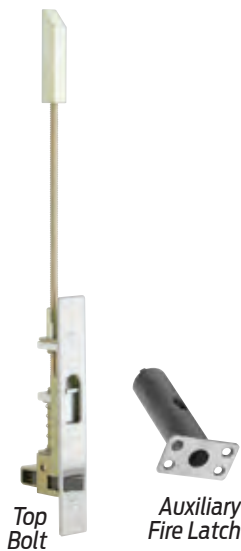
FB51T Top Bolt Only

FB52 Top Bolt with Auxiliary Fire Latch

- FB52 Model with Auxiliary Fire Latch eliminates the bottom bolt and is UL Listed for Fire Doors.

FB53 Top Bolt with Auxiliary Fire Latch & Retrofit Plate

- FB53 Model with Auxiliary Fire Latch eliminates the bottom bolt and includes a retrofit plate to cover existing bottom bolt prep. UL Listed for Fire Doors.



Meets ANSI A156.3 Type 27.
UL Listed 3 Hour Fire Doors 8'0" x 10'0"

Dimensions

Body Size: 1" Wide x 6-3/4" Long x 2" Deep

Guide Size: 1" Wide x 1-27/32" Long x 11/16" High x 3/32" Thick

Strike Size: 15/16" Wide x 2-1/4" Long x 1/16" Thick

Rub Plate Size: 1-1/4" Wide x 1-11/16" Long x 3/64" Thick

Auxiliary Fire Latch Size: 1" Wide x 1-3/4" Long x 3-1/4" Deep

Retrofit Plate Size: 1" Wide x 6-3/4" Long x 3/32" Thick

Finishes

Ives Number	US3	US4	US10	US10B	US32	US32D
BHMA	605	606	612	613	629	630



DP1



DP2

Meets Meets ANSI/BHMA 156.16, L14011.

DP1

DP2

Dust Proof Strikes

- Designed for use with the bottom bolt of all flush bolts.
- Spring-loaded plunger returns to floor or threshold level anytime flush bolt is retracted, eliminating need to clean standard floor strikes.
- Strike hole is 3/4" Diameter and 1-1/8" Deep

Dimensions
DP1 Face Plate: 1-7/16" Diameter
DP2 Face Plate: 1-5/8" W x 3-1/2" L x 1/8" Thick
Body: 1-3/16" Diameter x 1-7/8" Deep

Finishes						
Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626

A

Hinges & Pivots

B

Pulls & Plates

C11

Flush Bolts & Coordinators

D

Latches, Catches & Bolts

E

Stops

F

Exterior Hardware

G

Miscellaneous Hardware

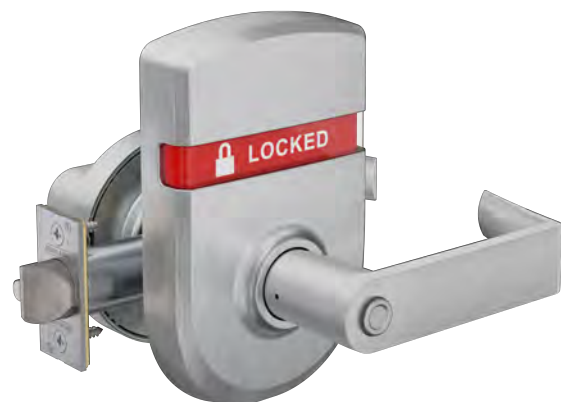
ND Series

Grade 1 Cylindrical Locks

OVERVIEW

Beyond Grade 1 performance is the hallmark of the mechanical and electrified ND Series locks. These locks are put through extreme levels of testing and are proven to withstand 3,100 in.-lb. of abusive lever torque—more than 2-1/2 times the Grade 1 standard requirement. Offset lever pull testing up to 1,600 lbs. assures you of the lock's superb resistance against pry bar attacks. More than strong, ND Series is built to last and shows nearly zero droop or wobble after 16 million cycles.

All ND Series locks including electronic functions, ligature-resistant trims, and ground-breaking, high-visibility status indication trims use the common cylindrical ANSI 161 door preparation making them easily interchangeable. They are ideal for all new construction and retrofit applications where Grade 1 strength and security are desired.



FINISHES



605
Bright Brass



606
Satin Brass



612
Satin Bronze



613
Oil Rubbed
Bronze



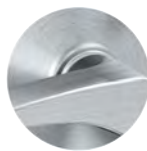
619
Satin Nickel



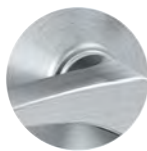
622
Matte Black



625
Bright Chrome



626
Satin Chrome



626AM
Satin Chrome
Antimicrobial



643e¹
Aged Bronze

1. e = an equivalent finish to the BHMA standard

LEVER STYLES



ATH (Athens)
8AT - Milled tactile warning



BRK (Boardwalk)
8BK - Knurled tactile warning



BRW (Broadway)
8BY - Knurled tactile warning



LAT (Latitude)
8LT - Milled tactile warning



LON (Longitude)
8LN - Milled tactile warning



OME (Omega)



RHO (Rhodes)¹
8RO - Milled tactile warning¹



SPA (Sparta)
8SP - Milled tactile warning

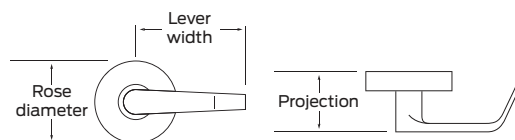


TLR (Tubular)
8TR - Knurled tactile warning

Dimensions		
Lever	Width	Projection
ATH (Athens)	4.56"	3.31"
BRK (Boardwalk)	4.94"	3.06"
BRW (Broadway)	4.50"	3.06"
LAT (Latitude)	4.50"	3.13"
LON (Longitude)	4.94"	3.13"
OME (Omega)	5.06"	3.31"
RHO (Rhodes)	4.56"	2.94"
SPA (Sparta)	4.94"	3.50"
TLR (Tubular)	4.94"	3.00"

Rose	Diameter
Standard	3.44"

Return to door meets 1/2" requirement for Boardwalk (BRK), Longitude (LON), Omega (OME), Rhodes (RHO), Sparta (SPA) and Tubular (TLR) levers



1. Optional break-away feature available on Rhodes levers for most locking functions. This allows the handheld part of the lever to break away from the shank when extreme torque is applied protecting the spring cage and locking mechanism from exterior access to help prevent unauthorized break-in.

INDICATORS

Inside Trim



Outside Trim



Available Messages

	Standard indicator messages		ND78/ND98 indicator message
	UNLOCKED	UNOCCUPIED	UNLOCKED To lock, turn key 1: then
	LOCKED	OCCUPIED	LOCKED 2: then, 3: Remove key
Inside trim	IS-LOC	IS-OCC	IS-CRS
Outside trim	OS-LOC	OS-OCC	—

Note: French and Spanish language options available.

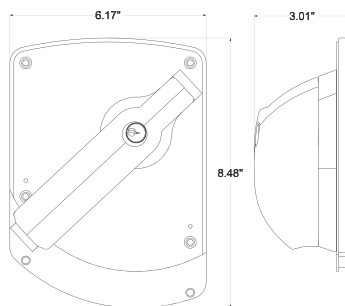
Indicator Dimensions

Trim	Width	Projection
Escutcheon	3.66"	0.95"
Window (surface area)	1.92 square inches	0.22 square inches

LIGATURE-RESISTANT SOLUTIONS



HSLR
Handed



Dimensions

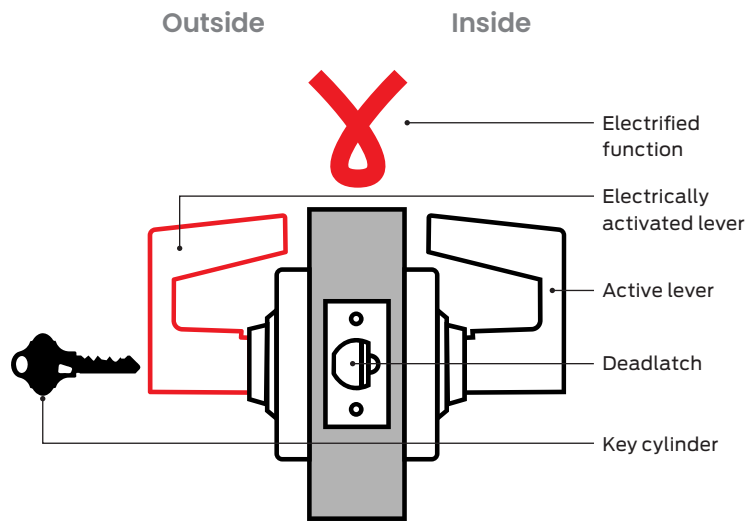
	Width	Height	Projection
HSLR	6.17"	8.48"	3.01"

Specifications and certifications

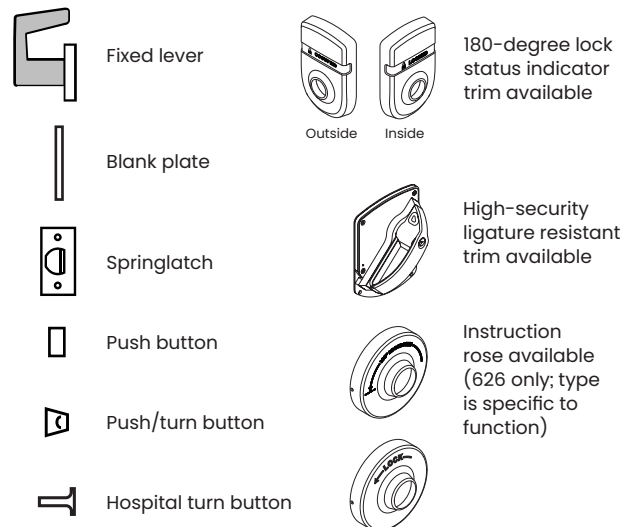
	HSLR
Accepted by NYS-OHM	•
ADA compliant	•
Suitable for:	
High risk areas	•
Medium risk areas	•
Low risk areas	•

MECHANICAL LOCK FUNCTIONS

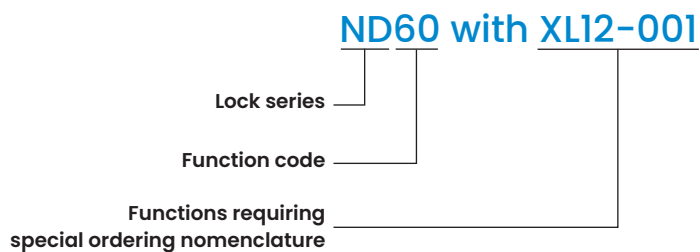
Legend



Key



Product Identification Guide



Vandlgard® functions.

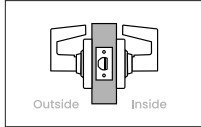
Some functions feature Vandlgard locked lever protection. It allows the outside lever to rotate freely up and down when locked to limit the ability of vandals to apply excessive force to the chassis helping to prevent damage to internal components.

MECHANICAL NON-KEYED FUNCTIONS

Schlage
ND10

ANSI
F75

Passage latch



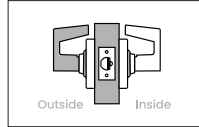
- Levers both sides; springlatch
- Latch retracted by lever from either side at all times
- Inside lever always free for immediate egress

To order configured with Request to Exit (RX), specify RX under special options.

Schlage
ND12

ANSI
F89

Exit lock



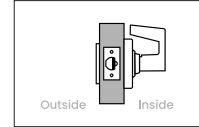
- Levers both sides; deadlatch
- Outside lever always fixed; latch retracted by inside lever
- Inside lever always free for immediate egress

To order configured with Request to Exit (RX), specify RX under special options.

Schlage
ND25

ANSI
-

Exit lock with exterior blank plate

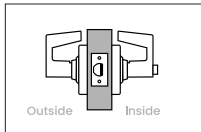


- Blank plate outside; lever inside; deadlatch
- Latch retracted by inside lever
- Inside lever always free for immediate egress

Schlage
ND30

ANSI
F77

Patio lock

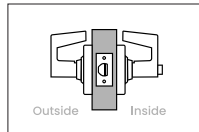


- Lever outside; push button in lever inside; springlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever
- Rotating inside lever retracts latch and releases button unlocking outside lever; closing door also unlocks preventing lock-out
- Inside lever always free for immediate egress

Schlage
ND40

ANSI
F76

Bath/bedroom privacy lock



- Lever with emergency release recessed slot outside; push button in lever inside; springlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever
- Rotating inside lever retracts latch and releases button unlocking outside lever; closing door also unlocks preventing lock-out
- Emergency unlock: an emergency key (sold separate) or small, flat screwdriver inserted in outside lever and turned releases button to unlock
- Inside lever always free for immediate egress

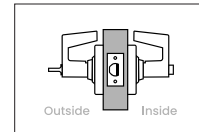
Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

To order an emergency key use part number 35-270.

Schlage
ND44

ANSI
-

Hospital privacy lock



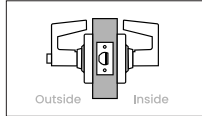
- Emergency turn in lever outside; push button in lever inside; springlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever
- Rotating inside lever retracts latch and releases button unlocking outside lever; closing door also unlocks preventing lock-out
- Emergency unlock: rotating emergency turn in outside lever releases button to unlock
- Inside lever always free for immediate egress

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

MECHANICAL NON-KEYED FUNCTIONS

Schlage ND45

ANSI
-

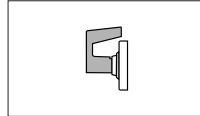


Time out lock with Vandlgard®

- Spring-loaded push button in lever outside; lever inside; springlatch
- In unlocked state latch is retracted by either lever
- Caretaker side: pushing and holding button enables Vandlgard® feature; detention side lever will rotate without engaging latch
- Releasing manually held button enables inside lever to re-engage with latch and open the door

Schlage ND170

ANSI
-

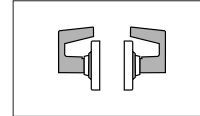


Single dummy trim

- Fixed lever one side only; no latch or chassis
- Used for door pull or matching inactive trim

Schlage ND172

ANSI
-



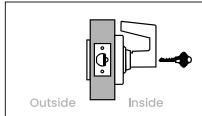
Double dummy trim

- Fixed levers—both sides; no latch or chassis
- Used for door pull or matching inactive trim

Note: Latch cover plates available. Order part number 47269199.

MECHANICAL KEYED FUNCTIONS

Schlage
ND25 x 70

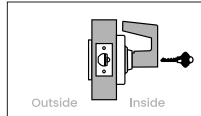


Classroom exit lock

- Blank plate outside; lever with cylinder inside; deadlatch
- In unlocked state latch is retracted by inside lever
- Outside always secure; inside lever is made inoperative by key inside
- Key inside retracts latch and unlocks inside lever

ANSI
F113

Schlage
ND25 x 80

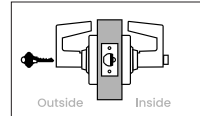


Storeroom exit lock

- Blank plate outside; lever with cylinder inside; deadlatch
- Outside always secure; inside lever is always fixed
- Key inside retracts latch but does not unlock lever

ANSI
F112

Schlage
ND50

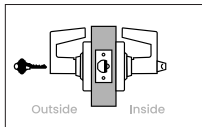


Entrance/office lock

- Lever with key cylinder outside; push button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever; key outside does not lock
- Key outside or rotating inside lever retracts latch and releases button unlocking outside lever
- Inside lever always free for immediate egress

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

Schlage
ND53



Entrance lock

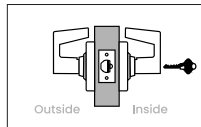
- Lever with key cylinder outside; push/turn button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button or pushing and turning button on inside lever; key outside does not lock
- **Pushed button unlocking:** key outside or rotating inside lever retracts latch and releases button unlocking outside lever
- **Pushed/turned button unlocking:** key outside or rotating inside lever retracts latch but does not unlock outside lever; rotate inside button to start position to allow button release and unlocking by key or by rotating inside lever
- Inside lever always free for immediate egress

Caution: Egress without fully releasing the push/turn button can result in lock-out situations.

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

ANSI
F109

Schlage
ND60 with XN12-001



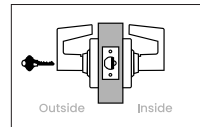
Vestibule lock with interior unlocking only

- Lever outside; lever with key cylinder inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is locked or unlocked by key inside
- Inside lever always free for immediate egress

To order, specify function and note XN12-001 as a special option.

ANSI
-

Schlage
ND70

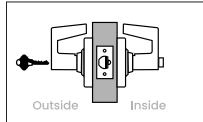


Classroom lock, exterior lockdown only

- Lever with key cylinder outside; lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is locked or unlocked by key outside
- Inside lever always free for immediate egress

MECHANICAL KEYED FUNCTIONS

Schlage ND73



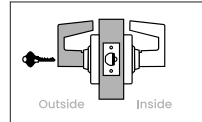
Corridor lock



- Lever with key cylinder outside; push button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever or by key outside
- **When locked by pushed button:** rotating inside lever retracts latch and releases button unlocking outside lever; closing door also unlocks preventing lock-out
- **When locked by key:** rotating inside lever retracts latch but outside lever remains fixed until unlocked by key outside
- Inside lever always free for immediate egress

ANSI F90

Schlage ND80



Storeroom lock

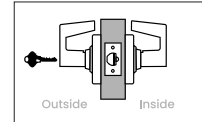


- Lever with key cylinder outside; lever inside; deadlatch
- Outside lever always fixed; latch retracted by inside lever
- Key in outside lever retracts latch only
- Inside lever always free for immediate egress

To order configured with Request to Exit (RX), specify RX under special options.

ANSI F86

Schlage ND81



Accessible storeroom lock

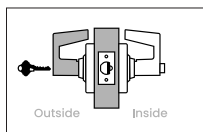


- Lever with key cylinder outside; lever inside; deadlatch
- Outside lever is always fixed when key is not present; latch retracted by inside lever
- Key outside turned counter-clockwise retracts latch; 180-degree clockwise rotation of key allows outside lever to retract latch
- Inside lever always free for immediate egress

To order configured with Request to Exit (RX), specify RX under special options.

ANSI F86

Schlage ND85



Faculty restroom lock

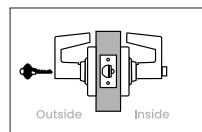
- Lever with conventional indicator cylinder outside; push button in lever inside; deadlatch
- Entrance by key only; outside lever always fixed; latch retracted by inside lever
- Push button on inside lever activates a locking pin that extends from the cylinder face to prohibit use of operating keys and indicate that the room is in use
- Turning inside lever or closing door releases the locking pin and push button to allow normal use of operating keys
- Emergency unlock: use of an emergency key (sold separate) is required to override the locking pin and unlock from the outside when push button is activated
- Inside lever always free for immediate egress

Note: Available with Conventional KIL indicator cylinder only. To order a spanner key to enable lockout feature use part number 35-251.

To order an emergency key use part number 35-102.

ANSI F93

Schlage ND91



Vandlgard® entrance/office lock

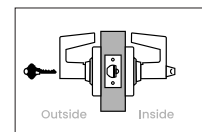


- Lever with key cylinder outside; push button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside is made inoperative by pushing button on inside lever; key outside does not lock, Vandlgard® allows outside lever to rotate freely when locked
- Key outside or rotating inside lever retracts latch and releases button unlocking outside lever
- Inside lever always free for immediate egress

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

ANSI F82

Schlage ND92



Vandlgard® entrance lock



- Lever with key cylinder outside; push/turn button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button or pushing and turning button on inside lever; key outside does not lock, Vandlgard® allows outside lever to rotate freely when locked
- **Pushed button unlocking:** key outside or rotating inside lever retracts latch and releases button unlocking outside lever
- **Pushed/turned button unlocking:** key outside or rotating inside lever retracts latch but does not unlock outside lever; rotate inside button to start position to allow button release and unlocking by key or by rotating inside lever
- Inside lever always free for immediate egress

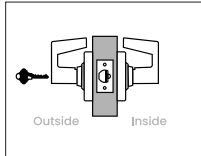
Caution: Egress without fully releasing the push/turn button can result in lock-out situations.

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

ANSI F109

MECHANICAL KEYED FUNCTIONS

Schlage ND94



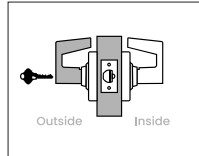
Vandlgard® classroom lock, exterior lockdown only



- Lever with key cylinder outside; lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is locked or unlocked by key outside; Vandlgard® allows outside lever to rotate freely when locked
- Inside lever always free for immediate egress

ANSI F84

Schlage ND96



Vandlgard® storeroom lock

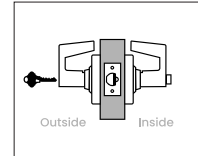


- Lever with key cylinder outside; lever inside; deadlatch
- Outside lever always inoperative; Vandlgard® allows outside lever to rotate freely when locked
- Key in outside lever retracts latch only
- Inside lever always free for immediate egress

To order configured with Request to Exit (RX), specify RX under special options.

ANSI F86

Schlage ND97



Vandlgard® corridor lock

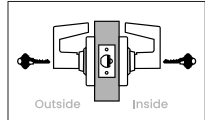


- Lever with key cylinder outside; push button in lever inside; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by pushing button on inside lever or by key outside; Vandlgard® allows outside lever to rotate freely when locked
- **When locked by pushed button:** rotating inside lever retracts latch and releases button unlocking outside lever; closing door also unlocks preventing lock-out
- **When locked by key:** rotating inside lever retracts latch but outside lever remains fixed until unlocked by key outside
- Inside lever always free for immediate egress

ANSI F90

MECHANICAL KEYED, DOUBLE CYLINDER FUNCTIONS

Schlage
ND60



Vestibule lock



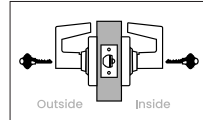
- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by key inside; key outside does not lock
- Key outside retracts latch but cannot unlock outside lever; only key inside unlocks
- Inside lever always free for immediate egress

Note: Available with optional instruction rose identifying key rotation direction for rapid lockdown. 626 finish only.

To order with instruction rose specify function and note XN12-035 as a special option.

ANSI
F88

Schlage
ND66



Store lock

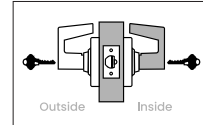


- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Key in either lever locks or unlocks both levers

Caution: Double cylinder locks on 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.

ANSI
F91

Schlage
ND70 x 80



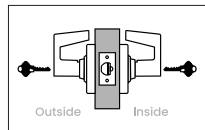
Classroom by storeroom lock

- Lever with key cylinder both sides; deadlatch
- In unlocked state inside lever is always fixed; latch retracted by outside lever
- Outside lever is locked or unlocked by key outside; key inside retracts latch but does not unlock either lever

Caution: Double cylinder locks on 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.

ANSI
-

Schlage
ND72 with XN12-002



Communicating lock

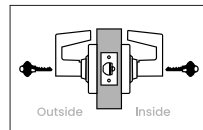
- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Key in either lever makes inoperative only that lever
- Key in either lever retracts the latch and unlocks only that lever

Caution: Double cylinder locks on 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.

To order, specify function and note XN12-002 as a special option.

ANSI
F80

Schlage
ND72 with XN12-003



Vandlgard® communicating lock

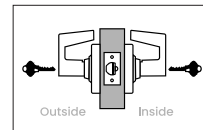
- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Key in either lever makes inoperative only that lever; Vandlgard® allows locked lever to rotate freely when locked
- Key in either lever retracts the latch and unlocks only that lever

Caution: Double cylinder locks on 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.

To order, specify function and note XN12-003 as a special option.

ANSI
F80

Schlage
ND78



Classroom security lock (180-degree lockdown)



- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by rotating key in either lever 180 degrees counter-clockwise and returning to start position
- Unlock outside lever by rotating key 180 degrees clockwise in either lever and returning to start position
- Inside lever always free for immediate egress

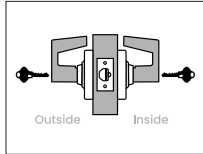
Locks ordered in 626 finish come standard with instruction rose (47342586) identifying key rotation direction for rapid lockdown. Other finishes receive a standard rose.

Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

ANSI
F110

MECHANICAL KEYED, DOUBLE CYLINDER FUNCTIONS

Schlage ND82



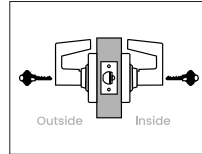
Institution lock

- Lever with key cylinder both sides; deadlatch
- Both levers are always fixed
- Key in either lever retracts latch only

Caution: Double cylinder locks on 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.

ANSI F87

Schlage ND93



Vandlgard® vestibule lock

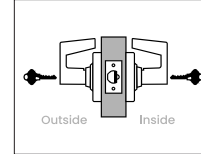
- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by key inside; key outside does not lock; Vandlgard® allows outside lever to rotate freely when locked
- Key outside retracts latch but cannot unlock outside lever; only key inside unlocks
- Inside lever always free for immediate egress

Note: Available with optional instruction rose identifying key rotation direction for rapid lockdown. 626 finish only.

To order with instruction rose specify function and note XN12-035 as a special option.

ANSI F88

Schlage ND98



Vandlgard® classroom security lock (180-degree lockdown)

- Lever with key cylinder both sides; deadlatch
- In unlocked state latch is retracted by either lever
- Outside lever is made inoperative by rotating key in either lever 180 degrees counter-clockwise and returning to start position; Vandlgard® allows outside lever to rotate freely when locked
- Unlock outside lever by rotating key 180 degrees clockwise in either lever and returning to start position
- Inside lever always free for immediate egress

Locks ordered in 626 finish come standard with instruction rose (47342586) identifying key rotation direction for rapid lockdown. Other finishes receive a standard rose.

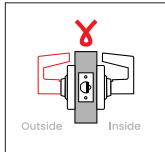
Note: Locks ordered with indicator trim fit 1-3/4" doors. Sold separate shim components allow application to doors 1-3/8" to 1-3/4".

ANSI F110

WIRED ELECTRIFIED FUNCTIONS

Schlage ND12EL

ANSI
-



Exit lock, electrically locked outside lever (fail safe)



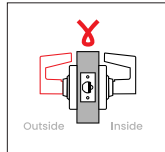
- Lever both sides; deadlatch
- Powered state: outside lever continuously locked (when in EL mode)
- When power is removed (via switch or power failure), in EL mode either lever will retract latch
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

Ordering: Unless EL or EU is specified, order will default to an EU setting. Optional RX function can be ordered configured by specifying RX under special options or add later using kit part NI23-062.

Schlage ND12EU

ANSI
-



Exit lock, electrically unlocked outside lever (fail secure)



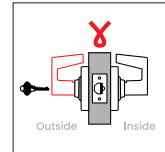
- Lever both sides; deadlatch
- Powered state: outside lever continuously unlocked (when in EU mode)
- When power is removed (via switch or power failure), in EU mode outside lever is locked
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

To order configured with Request to Exit (RX), specify RX under special options.

Schlage ND80EL

ANSI
-



Storeroom lock, electrically locked outside lever (fail safe)



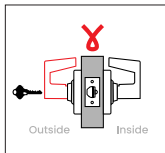
- Lever with key cylinder outside; lever inside; deadlatch
- Powered state: outside lever continuously locked (when in EL mode)
- When power is removed (via switch or power failure), in EL mode either lever will retract latch
- Key outside retracts latch but cannot change the normal locked or unlocked state of the outside lever
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

Ordering: unless EL or EU is specified, order will default to an EU setting. Optional RX function can be ordered configured by specifying RX under special options or add later using kit part NI23-062.

Schlage ND80EU

ANSI
-



Storeroom lock, electrically unlocked outside lever (fail secure)



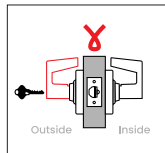
- Lever with key cylinder outside; lever inside; deadlatch
- Powered state: outside lever continuously unlocked (when in EU mode)
- When power is removed (via switch or power failure), in EU mode outside lever is locked
- Key outside retracts latch but cannot change the normal locked or unlocked state of the outside lever
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

To order configured with Request to Exit (RX), specify RX under special options.

Schlage ND96EL

ANSI
-



Vandlgard® storeroom lock, electrically locked outside lever (fail safe)



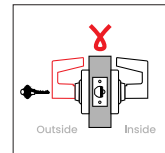
- Lever with key cylinder outside; lever inside; deadlatch
- Powered state: outside lever continuously locked (when in EL mode)
- Vandlgard® feature allows outside lever, when locked, to rotate without engaging latch
- When power is removed (via switch or power failure), in EL mode either lever will retract latch
- Key outside retracts latch but cannot change the normal locked or unlocked state of the outside lever
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

Ordering: unless EL or EU is specified, order will default to an EU setting. Optional RX function can be ordered configured by specifying RX under special options or add later using kit part NI23-062.

Schlage ND96EU

ANSI
-



Vandlgard® storeroom lock, electrically unlocked outside lever (fail secure)



- Lever with key cylinder outside; lever inside; deadlatch
- Powered state: outside lever continuously unlocked (when in EU mode)
- When power is removed (via switch or power failure), in EU mode outside lever is locked
- Vandlgard® feature allows outside lever, when locked, to rotate without engaging latch
- Key outside retracts latch but cannot change the normal locked or unlocked state of the outside lever
- Inside lever always free for immediate egress

Note: Auto detects 12 or 24V DC. Chassis mounted switch allows field selectable EL/EU setting.

To order configured with Request to Exit (RX), specify RX under special options.

CYLINDERS

Conventional cylinder

P	6-pin Conventional (keyed 5)
P6	6-pin Conventional (standard)
Z	SL 7-pin Conventional (A2 pinning)
L	Less Conventional
C	Less 6-pin Conventional double cylinder

Full size interchangeable core (FSIC)

R	6-pin FSIC
M	SL 7-pin FSIC (A2 pinning)
J	Less FSIC
T	Refundable FSIC construction core

Small format interchangeable core (SFIC)

G	7-pin SFIC (A2 pinning)
B	Less SFIC
BDC	Disposable SFIC construction core
H	Refundable SFIC construction core

SPECIFICATIONS

Chassis	
Material	Modular design of zinc and steel components plated for corrosion protection
Door thickness	Standard: 1-5/8" (41 mm) to 2-1/8" (54 mm) Optional: 1-3/8" (35 mm) - 6" (152 mm) EE, EO, EI, ED configurations
Handing	Non-handed
Trim	
Levers	Standard: Pressure cast zinc, plated to match product finish specification in nine designs - Athens (ATH), Boardwalk (BRK), Broadway (BRW), Latitude (LAT), Longitude (LON), Omega (OME), Rhodes (RHO), Sparta (SPA), and Tubular (TLR) Optional: Tactile feature available on all designs, specify 8AT, 8RO, 8SP, 8TR, 8LT, 8LN, 8OM, 8BY, or 8BK
Rose/escutcheon	Wrought brass or zinc, plated to match product finish specification
Finishes	Nine available: 605, 606, 612, 613, 619, 622, 625, 626, 643e; optional antimicrobial coating is available on 626—order as 626AM
Latch	
Backset	Standard: 2-3/4" (70 mm) Optional: 2-3/8", 3-3/4", 5" (60, 92, 127 mm)
Latch bolt	Standard: 1/2" (12 mm) throw spring latch or deadlatch (Stainless Steel) Optional: 3/4" (19 mm) throw anti-friction deadlatch available for pairs of doors
Strike	Standard: ANSI curved lip: 1-1/4" x 4-7/8" x 1-3/16" (32 mm x 124 mm x 30 mm) Optional: T Strike, ANSI strikes with alternative lip lengths, dust box options
Keying	
Formats	Standard: 6-pin Conventional cylinder with two patented keys Optional: FSIC, SFIC, and 7-pin SL cylinder formats plus less cylinder options made to fit non-Schlage cylinders from Best, Corbin Russwin, Medeco, Sargent and Yale
Access security	Standard: 6-pin, patented Everest 29 S123 keyway Optional: Open, restricted, Primus®, master keying, and construction keying
Wired electrified	
Input voltage	Autodetecting 12-24V DC, +/- 10%
Operating mode	Fail safe or fail secure via switch on chassis
Current draw	0.23 amps maximum; 0.01 amps holding
Request to Exit	Modular - 3A @ 125VAC / 2A @ 30VDC
Warranty	
	10 years mechanical, 1 year wired electrified
Certifications	
ANSI/BHMA	All ND Series comply with A156.2-2011, Series 4000 Grade 1 cylindrical locks; Wired electrified complies with A156.25 (indoor)
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	UL 10C and CAN/ULC-S104; All locks 3-hour A label single fire door 4'0" x 10'0"; pair doors 3-hour fire door 8'0" x 8'0" with 3/4" latch option; pair doors 90-minute fire 8'0" x 10'0" with 3/4" latch option
CA Fire Code	All levers with a return to door of 1/2" (13 mm) or less comply (Rhodes, Sparta, Tubular, Omega, Longitude and Boardwalk)
FL Building Code	Complies with Florida Building Code (ASTM E330, E1886, E1996) and Miami Dade (TAS 201, 202, 203) requirements for hurricanes
Federal	Meets FF-H-106C Series 161 BAA compliant, all functions



Grade 1, mortise locks

L Series

Overview

The Schlage® L Series has long been the benchmark for Grade 1 mortise locks. Beyond strength and security – it offers flexibility to meet most needs. Fifty mechanical functions include ten that can be field configured from one universal lock case and ten electrified functions are regularly used as part of electronic access control systems. L Series locks have the ability to suite across electronic, tubular, exit trim, and multi-point locks to integrate seamlessly into any environment. The series features an array of security options including 180-degree visibility status indicators and support for multiple keyway families and cylinder types including Primus® XP high-security cylinders.



Finishes



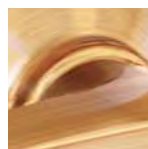
605
Bright Brass



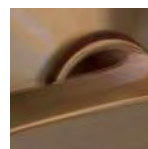
606
Satin Brass



609
Antique Brass



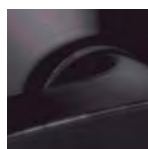
612¹
Satin Bronze



613¹
Oil Rubbed
Bronze



619
Satin Nickel



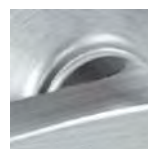
622
Matte Black



625
Bright Chrome



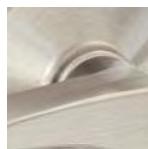
626
Satin Chrome



626AM
Satin Chrome,
Antimicrobial



629²
Bright Stainless



630²
Satin Stainless



630AM²
Satin Stainless,
Antimicrobial



643e
Aged Bronze

¹ Available on standard levers only, not available on Latitude, Longitude, Accent, Asti, or Merano

² Not available on Accent, Asti, or Merano



Grade 1, mortise locks

L Series

M Collection decorative lever styles¹



M51
851 - Knurled tactile warning



M52
852 - Knurled tactile warning



M53



M54



M55



M56



M57²



M61
■ Handed



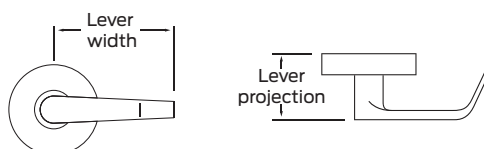
M62²
■ Handed



M63
■ Handed

Dimensions

Lever	Width	Projection
M51	4.5"	3.2"
M52	4.5"	3"
M53	4.35"	3.2"
M54	4.35"	2.75"
M55	4.3"	3"
M56	4.6"	3"
M57	4.5"	2.9"
M61	4.5"	3.2"
M62	4.5"	2.7"
M63	4.5"	3.2"



¹ M Collection not available in 612 and 613 finishes.

² Available in 629, 630, and 630AM only.



Grade 1, mortise locks

L Series

M Collection decorative lever styles¹



M81
881 - Knurled tactile warning



M82



M83



M84



M85
■ Handed



ME1
8ME1 - Milled tactile warning
■ Handed



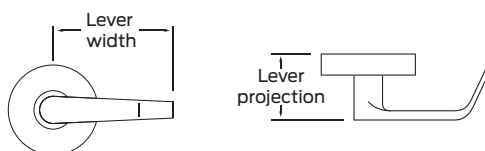
ME2
8ME2 - Milled tactile warning
■ Handed



ME3
8ME3 - Milled tactile warning

Dimensions

Lever	Width	Projection
M81	4.8"	2.9"
M82	4.8"	2.9"
M83	4.6"	2.9"
M84	5.1"	3"
M85	4.9"	3.3"
ME1	5.5"	3"
ME2	5.2"	2.8"
ME3	5.1"	3.2"



Return to door meets 1/2" requirement for all levers shown on this page.

ME1, ME2 and ME3 ergonomic levers designed with Gensler as product design consultant.



Grade 1, mortise locks

L Series

Standard lever and knob styles



01
801 - Milled tactile warning



02
802 - Knurled tactile warning



03
803 - Knurled tactile warning



05
805 - Milled tactile warning



06
806 - Milled tactile warning



07
807 - Milled tactile warning



12
812 - Milled tactile warning
■ Handed



17
817 - Milled tactile warning



18
818 - Milled tactile warning

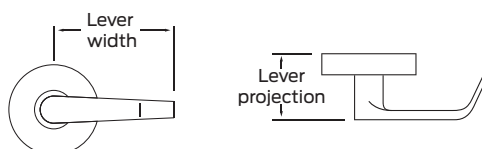


Accent (ACC)¹
■ Handed

Dimensions

Lever	Width	Projection
01	3.875"	2.688"
02	4.75"	2.813"
03	4.75"	2.813"
05	3.75"	2.875"
06	4.625"	2.5"
07	4.625"	2.875"
12	4.625"	3.063"
17	4.75"	3"
18	4.875"	2.688"
Accent (ACC)	4.125"	3.125"

Return to door meets 1/2" requirement for 03, 06 and 17 levers.



¹ Not available in 612, 613, 629, or 630 finishes.



Grade 1, mortise locks

L Series

Standard lever and knob styles



Asti (AST)¹

■ Handed



Latitude (LAT)²



Longitude (LON)²



Merano (MER)¹

■ Handed



Omega (OME)



41

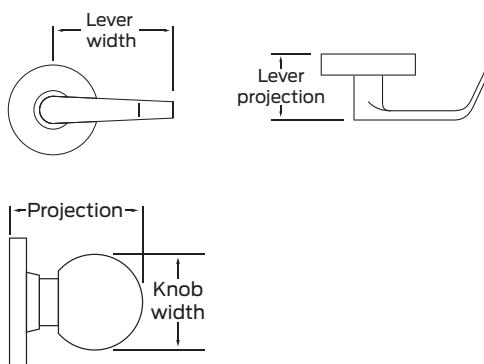


42

Dimensions

Lever	Width	Projection
Asti (AST)	4"	2.625"
Latitude (LAT)	4.75"	2.563"
Longitude (LON)	4.875"	2.563"
Merano (MER)	4"	3.125"
Omega (OME)	5.063"	3.313"
41	2.211"	2.34"
42	2.132"	2.538"

Return to door meets 1/2" requirement for Longitude and Omega levers.



¹ Not available in 612, 613, 629, or 630 finishes.

² Not available in 612 or 613 finishes.

Escutcheons



L full face

Specify by adding 'L' after lever design.



L concealed

Specify by adding 'C' suffix to function and by adding 'L' after lever design.



N full face

Specify by adding 'N' after lever design.

Roses



A rose

Available for use on L Series knob and lever designs. Specify by adding 'A' after lever design.

Finishes: available in all L Series finishes.



B rose

Available for use on L Series knob and lever designs. Specify by adding 'B' after lever design.

Finishes: available in all L Series finishes.



C rose

Available for use on L Series knob and lever designs. Specify by adding 'C' after lever design.

Finishes: 605, 606, 609, 619, 622, 625, 626, 629, 630, 643e



AVA rose

Available for use on ACC lever, other levers upon request.

Finishes: 605, 606, 609, 619, 622, 625, 626, 643e



MER rose

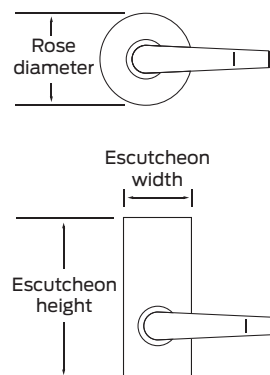
Available for use on MER lever, other levers upon request.

Finishes: 605, 606, 609, 619, 622, 625, 626, 643e

Dimensions

Rose	Diameter
A	2.125"
B	2.5625"
C	2.625"
AVA	2.625"
MER	2.625"

Escutcheon	Width	Height
L full face	1.75"	8"
L concealed	1.75"	8"
N full face	2.5"	7.875"



Thumbturns



Standard turn
09-509



ADA turn
09-509 x L583-363
Not available with L9463
and L463

Indicators



Cylinder



Thumbturn



Cointurn



Emergency key indicator



Cylinder



Thumbturn



Cointurn



Emergency key indicator

	Locked Unlocked	Occupied Unoccupied	Do Not Disturb	
Inside trim	L283-711	L283-712	L283-713	L283-714
Outside trim	L283-721	L283-722	L283-723	L283-724



Ligature resistant solutions



SL1 ^{1,2}



SK1 ^{1,2}



HSLR ^{2,3}

■ Handed

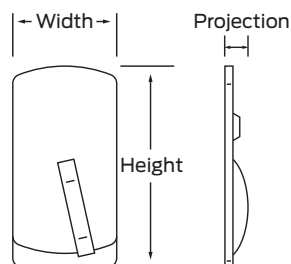
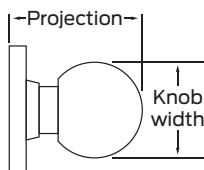
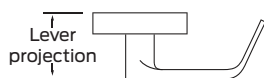
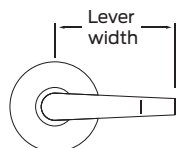
Specifications and certifications

	SL1	SK1	HSLR
Accepted by OHM	■	■	■
ADA compliant	■	-	■
Suitable for:			
High risk areas	-	■	■
Medium risk areas	■	■	■
Low risk areas	■	■	■

Caution: Cone shaped door knobs and thumbturns do not compliant with ADA requirements for graspability.

Dimensions

	Width	Height	Projection
SL1	4.5"		3.13"
SK1	3.125"		2.3125"
HSLR	6"	13.17"	2.27"



¹ Only available in 630 and 630AM finishes.

² Not available with Vandlgard option.

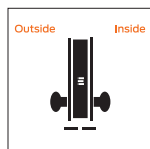
³ Only available in 630 finish.



Vandlgard® protection available on functions noted with an “LV” option.

Vandlgard allows the outside lever to rotate freely down when locked to limit the ability of vandals to apply excessive force to the chassis helping to prevent damage to internal components.

Non-keyed functions

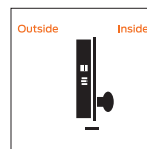


Schlage L9010
ANSI F01
Passage latch

- Latchbolt retracted by lever/knob from either side at all times
- Inside lever always free for immediate egress

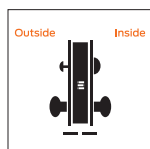


Optional HSLR trim available



Schlage L9025
ANSI F31
Exit lock

- No outside trim
- Inside lever always free for immediate egress

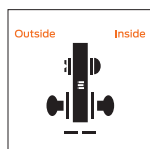


Schlage L9040
LV9040
ANSI F22
Bath/bedroom privacy lock

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn
- Actuating inside lever or closing door unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9044
LV9044
ANSI -
Privacy with coin turn outside

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn or outside coin turn
- Actuating inside lever, closing door, or rotating outside coin turn unlocks outside lever
- Available in rose trim only



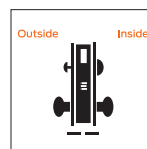
Coin turn for lock with rose trim



Optional 180 degree messaging indicator available



Optional HSLR trim available



Schlage L9440
LV9440
ANSI F19
Privacy with deadbolt

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by inside thumbturn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside lever always free for immediate egress

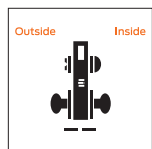


Optional 180 degree messaging indicator available





Non-keyed functions



Schlage L9444
LV9444

ANSI -

Privacy with deadbolt and
coin turn outside

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by inside thumbturn or outside coin turn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- Rotating coin turn retracts deadbolt and unlocks outside lever
- Inside lever always free for immediate egress
- Available with rose trim only



Coin turn for lock with rose trim



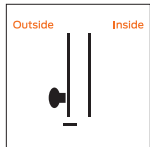
Optional 180 degree messaging
indicator available



Optional HSLR trim available

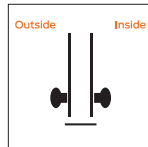


Non-keyed dummy functions



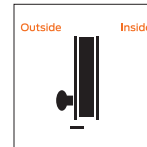
Schlage L0170
ANSI -
Half dummy trim

- Fixed lever/knob on one side



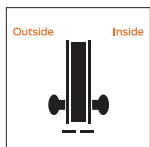
Schlage L0172
ANSI -
Full dummy trim

- Fixed lever/knob on both sides



Schlage L9175
ANSI -
Half dummy trim with lock case

- Fixed lever/knob on one side
- Includes lock case and blank armor plate



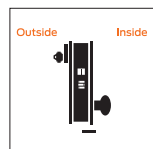
Schlage L9176
ANSI -
Full dummy trim with lock case

- Fixed lever/knob on both sides
- Includes lock case and blank armor plate

In a double-door application where the dummy will be used as the strike order 10-091 armored front strike separately.

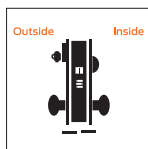


Single cylinder non-deadbolt functions



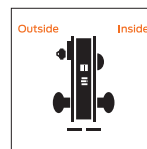
Schlage L9026
ANSI -
Exit lock with cylinder

- No outside trim
- Outside cylinder retracts latchbolt
- Inside lever always free for immediate egress
- Auxiliary latch deadlocks latchbolt when door is locked



Schlage L9050
LV9050
ANSI F04
Office and inner entry lock

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn
- When outside is locked, latchbolt is retracted by key outside or by knob/lever inside
- Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Schlage L9056
LV9056
ANSI -
L9050 with automatic unlocking

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn
- Outside knob/lever unlocked by key outside, thumbturn or closing door
- Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



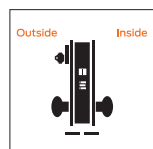
Optional HSLR trim available



Optional 180 degree messaging indicator available

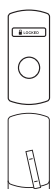


Optional HSLR trim available



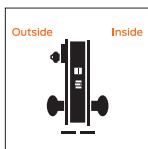
Schlage L9070
LV9070
ANSI F05
Classroom lock

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- Unlocked from outside by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



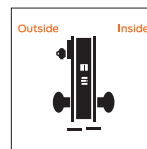
Optional 180 degree messaging indicator available

Optional HSLR trim available



Schlage L9076
LV9076
ANSI F06
Classroom holdback lock

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- When locked, latchbolt retracted by key or inside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Holdback feature activated by turning inside lever/knob and rotating key 360°
- Inside lever always free for immediate egress



Schlage L9080
LV9080
ANSI F07
Storeroom lock

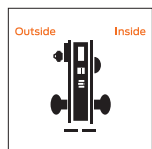
- Latchbolt retracted by lever/knob inside or key outside
- Outside lever/knob is always inoperable
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available



Single cylinder deadbolt functions

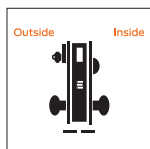


Schlage L9453
LV9453
ANSI F20
Entrance lock

- Latchbolt retracted by lever/knob from either side unless outside locked by 20° thumbturn rotation
- Deadbolt actuation through 90° thumbturn rotation
- When locked, outside key or inside lever/knob retracts both deadbolt and latchbolt
- Outside lever/knob locked until thumbturn is restored to vertical position
- Throwing deadbolt locks outside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available

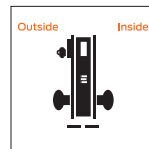


Schlage L9456
LV9456
ANSI F13
Corridor lock

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key or thumbturn rotation
- Throwing deadbolt locks outside lever/knob
- Turning inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever/knob
- Inside lever always free for immediate egress



Optional HSLR trim available

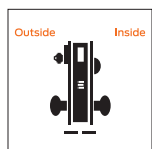


Schlage L9465
ANSI -
Closet/storeroom lock

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key



Optional HSLR trim available



Schlage L9473
ANSI F21
Dormitory/bedroom lock

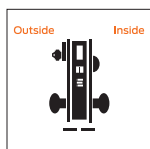
- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by outside key or inside thumbturn



Optional 180 degree messaging indicator available



Optional HSLR trim available



Schlage L9480
LV9480
ANSI -
Storeroom lock with deadbolt

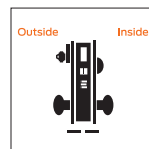
- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by outside key or inside thumbturn
- Inside knob/lever actuation retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available



Schlage L9485
LV9485
ANSI -
Faculty/hotel/restroom lock

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- All keys (except emergency) inoperative when deadbolt is thrown
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



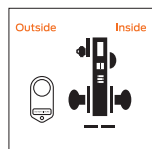
Optional 180 degree messaging indicator available



Optional HSLR trim available



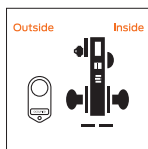
Single cylinder deadbolt functions



Schlage L9486
LV9486
ANSI F15

L/LV9485 with 09-611
"DO NOT DISTURB"
indicator for rose trim

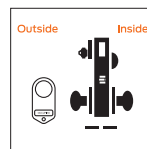
- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "DO NOT DISTURB" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9486xL583-375
LV9486xL583-375
ANSI -

L/LV9485 with "OCCUPIED"
indicator for rose trim

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9496
ANSI -

Privacy with 09-611
"OCCUPIED" indicator for
rose trim

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuation by outside key or inside thumbturn
- Thrown deadbolt displays "OCCUPIED" message and locks outside lever
- Inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



Adds hotel occupancy indicator (09-611)
for lock with A or B roses on sectional trim.
Message: "DO NOT DISTURB".



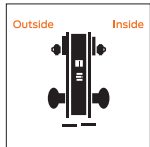
Adds hotel occupancy indicator (09-611)
for lock with A or B roses on sectional trim.
Message: "OCCUPIED".



Adds hotel occupancy indicator (09-611)
for lock with A or B roses on sectional trim.
Message: "OCCUPIED".



Double cylinder non-deadbolt functions

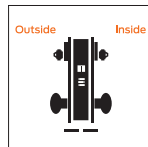


Schlage L9060
LV9060
ANSI F09
Apartment entrance lock

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9071
LV9071
ANSI F32
Classroom security lock

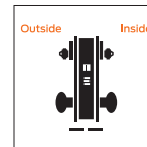
- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by outside key or inside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available

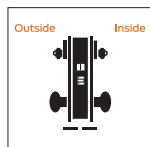


Schlage L9077
LV9077
ANSI -
Classroom security holdback lock

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Rotate inside lever/knob and turn key 360° to enable holdback feature
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9082
LV9082
ANSI F30
Institution lock

- Latchbolt retracted by key from either side
- Knob/lever on both sides always inoperative
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

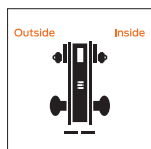


Optional HSLR trim available





Double cylinder deadbolt functions



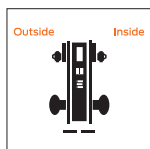
Schlage L9457
LV9457
ANSI F33

Classroom security lock
with deadbolt

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by either key
- Throwing deadbolt locks outside lever/knob
- Actuating inside lever/knob retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



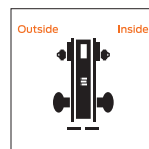
Optional HSLR trim available



Schlage L9458
LV9458
ANSI F34

Classroom security lock
w/deadbolt and auxiliary
latch

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by either key
- When door is locked outside lever inoperative
- Inside lever retracts deadbolt and latchbolt and unlocks outside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9466
ANSI F14

Store/utility room lock
with deadbolt

- Latchbolt retracted by knob/lever from either side
- Deadbolt thrown or retracted by key from either side

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging
indicator available

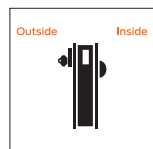


Optional HSLR trim available





Mortise deadlock functions

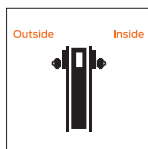


Schlage L9460
ANSI F17
Cylinder x thumbturn lock

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging
indicator available



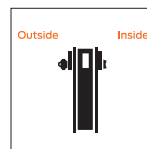
Schlage L9462
ANSI F16
Double cylinder lock

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring the use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging
indicator available

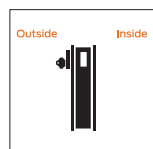


Schlage L9463
ANSI F29
Classroom lock

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging
indicator available



Schlage L9464
ANSI F18
Cylinder lock

- Deadbolt actuated by key
- No trim opposite side

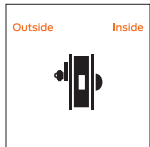


Optional 180 degree messaging
indicator available





Small mortise deadlock functions

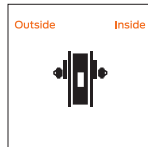


Schlage L460
ANSI E06071
Cylinder x thumbturn lock

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging indicator available



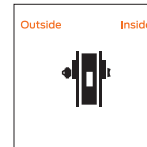
Schlage L462
ANSI E06061
Double cylinder lock

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

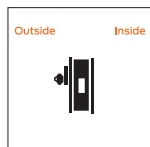


Schlage L463
ANSI E06091
Classroom lock

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging indicator available

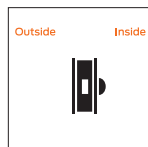


Schlage L464
ANSI E06081
Cylinder lock

- Deadbolt actuated by key
- No trim opposite side



Optional 180 degree messaging indicator available

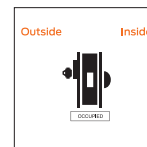


Schlage L480
ANSI -
Door bolt

- Deadbolt actuated by thumbturn
- No trim opposite side



Optional 180 degree messaging indicator available



Schlage L496
ANSI -
Deadbolt with "OCCUPIED" indicator

- Deadbolt actuated by key or thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed

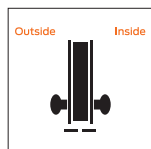


Optional 180 degree messaging indicator available

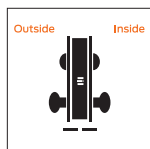




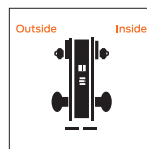
Special functions

**Schlage L9110 x XL11-741**
ANSI -**Double dummy with active trim**

- Knob/lever both sides active
- Lock case and armor front included
- Can receive deadbolt with XL11-743 armor front

**Schlage L0940 x XL11-446**
LV9040 x XL11-446**ANSI -**
Privacy with turn both sides

- Latchbolt retracted by either lever
- Rotating either thumbturn locks outside lever
- Actuating inside lever, closing door, or rotating either thumbturn unlocks outside lever

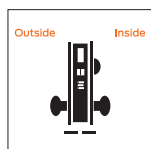
**Schlage L9066 x XL11-897**
ANSI -**Storeroom lock**

- Either key retracts latchbolt
- Either key locks or unlocks both levers

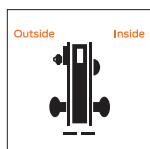
Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

**Schlage L9412 x XL11-907**
ANSI -**Exit lock with deadbolt**

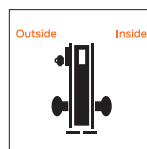
- Latchbolt retracted by inside lever
- Outside lever always fixed
- Thumbturn actuates deadbolt
- Inside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked

**Schlage L9460 x XL11-635**
ANSI -**L9460 with fixed dummy trim**

- Knob/lever both sides fixed
- Deadbolt thrown or retracted by key outside or thumbturn inside
- Specify per XL11-635



Optional 180 degree messaging indicator available

**Schlage L9460, L9462, L9464 x XL11-886**
ANSI -**Deadbolt with retraction by inside lever or knob****L9460 x XL11-886**

- Deadbolt actuation by key or thumbturn
- Outside lever always fixed
- Inside lever active when deadbolt is thrown
- Inside lever retracts deadbolt

L9462 x XL11-886

- Same as L9460 x XL11-886 except deadbolt actuated by key from either side

L9464 x XL11-886

- Same as L9460 x XL11-886 except deadbolt actuated by key from one side

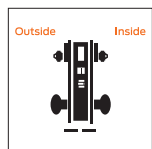


Optional 180 degree messaging indicator available





Special functions

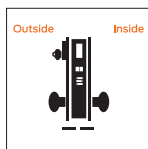


Schlage L9482 x XL11-543
LV9482 x XL11-543
ANSI -

**Institutional lock with
deadbolt**

- Latchbolt retracted by either key
- Both levers always inoperative
- Deadbolt actuated by either key
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



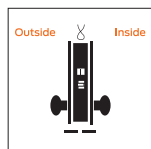
Schlage L9485 x XL11-557
ANSI -

Prison function lock

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always free spinning
- Deadbolt actuation by guard key
- Inside knob/lever fixed when deadbolt is thrown
- Prisoner key only retracts latchbolt
- Tamper resistant Torx screws standard



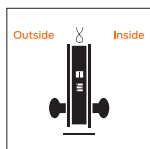
Electrified locks functions



Schlage L9090EL
L9090EU
ANSI F13

Electrically locking/
unlocking outside lever
(no cylinder)

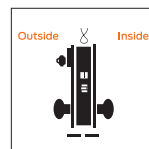
- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



Schlage L9091EL
L9091EU
ANSI -

Electrically locking/
unlocking both levers (no
cylinder)

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked



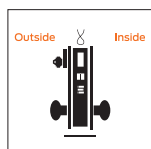
Schlage L9092EL
L9092EU
ANSI -

Electrically locking/
unlocking outside lever
(single cylinder)

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by lever/knob inside or key outside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress
- EL: Switch or power failure allows outside lever/knob to retract latchbolt
- EU: Switch or power failure locks (EU) outside lever/knob



Optional HSLR trim available



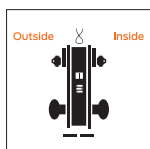
Schlage L9093EL
L9093EU
ANSI -

Electrically locking/
unlocking both levers
(outside cylinder)

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by key outside
- Auxiliary latch deadlocks latchbolt when door is locked



Optional HSLR trim available



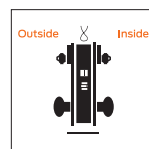
Schlage L9094EL
L9094EU
ANSI -

Electrically locking/
unlocking outside lever
(double cylinder)

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key or by inside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



Optional HSLR trim available



Schlage L9095EL
L9095EU
ANSI -

Electrically locked or
electrically unlocked both
levers (double cylinder)

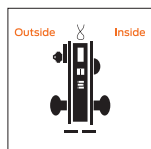
- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key
- Auxiliary latch deadlocks latchbolt when door is locked
- EL: Switch or power failure unlocks both levers/knobs and allows knob/lever to retract latchbolt
- EU: Switch or power failure locks both levers/knobs



Optional HSLR trim available



Electrified locks functions



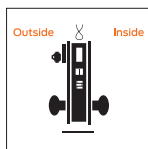
Schlage L9492EL
L9492EU
ANSI -

Electrically locking/
unlocking outside lever
(outside cylinder, inside
thumbturn with deadbolt)

- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available



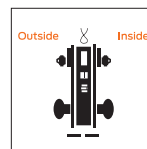
Schlage L9493EL
L9493EU
ANSI -

Electrically locking/
unlocking both levers
(outside cylinder, inside
thumbturn with deadbolt)

- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU both levers retract deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked



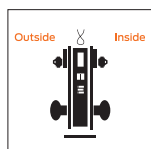
Optional HSLR trim available



Schlage L9494EL
L9494EU
ANSI -

Electrically locking/
unlocking outside lever
(double cylinder with
deadbolt)

- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9495EL
L9495EU
ANSI -

Electrically locking/
unlocking both levers
(double cylinder with
deadbolt)

- Both levers continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- When unlocked both levers retract deadbolt and open door
- Auxiliary latch deadlocks latchbolt when door is locked

Available electrified options include:

- RX** Request to Exit
LX Latch bolt monitor
DPS Door Position Switch
DM Deadbolt monitor (DM)





Cylinders

Conventional mortise cylinder

P	6-pin Conventional (standard) with Schlage logo
Z	SL 7-pin Conventional (A2 pinning) with Schlage logo
L	Less full face cylinder
C	Concealed mortise cylinder
W	Less concealed mortise cylinder

Full size interchangeable core (FSIC) mortise cylinder

R	6-pin FSIC with Schlage logo
M	SL 7-pin FSIC (A2 pinning) with Schlage logo
J	Less FSIC
F	6-pin FSIC less Schlage logo
T	Refundable FSIC construction core

Small format interchangeable core (SFIC) mortise cylinder

G	7-pin SFIC (A2 pinning) with Schlage logo
B	Less core
BDC	Disposable SFIC construction core
H	Refundable SFIC construction core



Specifications

Chassis

Case material	CRS with zinc dichromate plating
Case size	L9000 Series: 4 ⁷ / ₁₆ " x 6 ¹ / ₁₆ " x 1" (113 mm x 154 mm x 25 mm) L400 Series: 4 ⁷ / ₁₆ " x 3 ⁵ / ₈ " x 1" (113 mm x 92 mm x 25 mm)
Spacing	Knob or lever to cylinder: 3 ⁷ / ₈ " (98 mm); Knob or lever to thumbturn hub: 2 ¹¹ / ₁₆ " (68 mm)
Door thickness	Standard: 1 ³ / ₄ " (44 mm) Optional: 1 ³ / ₈ " (35 mm) to 2 ¹ / ₂ " (64 mm) Over 2 ¹ / ₂ " (64 mm) door ranges vary by function. Specify door thickness if other than 1 ³ / ₄ " and position in door EE, EI, EO, ED

Trim

Handing	L9000 Series: Field-reversible without disassembly L400 Series: Non-handed
Lever/knob	Lever designs: forged brass or bronze and cast stainless steel Knob designs: heavy-duty wrought brass, bronze or stainless steel
Rose/ escutcheon	L full face and concealed: Cold-forged brass, bronze and stainless steel N full face: Heavy wrought reinforced brass, bronze and stainless steel Roses: A, B, C: wrought brass or bronze and stainless steel; AVA and MER: forged brass
Combinations	Available with knob both sides, lever both sides, or knob/lever combinations. Roses cannot be combined with escutcheons.

Latch

Backset	2 ³ / ₄ " (70 mm) only
Armor	L9000 Series Standard: 1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm) Optional: 1 ¹ / ₁₆ " x 8" x ⁷ / ₃₂ " (27 mm x 203 mm x 6 mm) L400 Series: Standard: 1 ¹ / ₄ " x 5 ⁹ / ₁₆ " x ⁷ / ₃₂ " (32 mm x 141 mm x 6 mm)
Latch	³ / ₄ " (19 mm) throw stainless steel latch with anti-friction tongue
Deadbolt	1" (25 mm) throw stainless steel deadbolt
Strike	L9000 Series Standard: ANSI curved lip strike 1 ¹ / ₄ " x 4 ⁷ / ₈ " (32 mm x 124 mm) x 1 ³ / ₁₆ " (30 mm) lip to center with dust box Optional: Extended lip strike options (⁷ / ₈ ", 1", 1 ¹ / ₂ ", 1 ³ / ₄ ", 2") L400 Series Standard: 1 ¹ / ₈ " x 3 ¹ / ₂ " (29 mm x 89 mm) with dust box Optional: 1 ¹ / ₄ " x 4 ⁷ / ₈ " (32 mm x 124 mm) with dust box



Specifications

Keying

Cylinder format	6-pin Conventional mortise cylinder (standard); also available in concealed mortise cylinder, FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus XP security levels with available master keying and construction keying.

Wired electrified

Input voltage	12V or 24V DC for L909X
Operating mode	Fail Safe or Fail Secure via switch on chassis
Current draw	0.23 amps maximum; 0.01 amps holding
Request to Exit	Rating: 3A @ 125V AC/2A @ 30V DC. Available on all L909X and L949X electrified functions. Also available option for the following mechanical functions: L9010/50/56/70/71/80 and L9453/56/58/65/66/80/85.
Latch bolt monitor	Available on all L909x and L949x electrified and L9010/25/26/50/56/70/71/80/82 and L9453/56/65/66/80/85 mechanical functions.
Door position sensor	Internal available on L909x electrified and L9010/80/82 mechanical functions; external available on all functions.
Deadbolt monitor	Available on L949x electrified and L9453/56/57/58/80/85/86/96 mechanical functions

Warranty

3 year limited mechanical and
1 year limited electromechanical

Certifications

ANSI/BHMA	L/LV9000: ANSI/BHMA A156.13-2017 Series 1000, Grade 1 operation and security; with FSIC Grade 2; with SFIC Grade 3 L400: ANSI/BHMA A156.36, Grade 1
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	Mechanical: UL 10C and CAN/ULC-S104 3 hour fire listed; all locks listed for A label single doors, 4' x 10' and pairs 8' x 10' Electrified: UL/ULC listed for single-point locking applications; UL listed for 3-hour fire door (except L9076 and L9077)
CA Fire Code	All levers with a return to door of 1/2" (64 mm) or less comply
FL Building Code	Miami-Dade NOA's and Florida Building Commission listings
Federal	BAA compliant, all functions



Grade 1 cylindrical locks

ND Series

Overview

The Schlage® ND Series is ANSI/BHMA Grade 1 certified and performs beyond the Grade 1 standards. The lock withstands 3,100 in-lb. of abusive lever torque, as well as 1,600 lbs. of offset lever pull for protection against pry bar attacks. The lock is not only strong from attacks, but it also shows nearly zero droop or wobble after 16 million cycles.

All ND Series locks come in 10 finishes, nine lever designs and use an ANSI 161 door preparation, commonly used with cylindrical locks. They are ideal for all new construction and retrofit applications.



Finishes



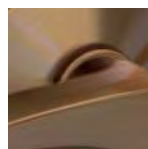
605
Bright Brass



606
Satin Brass



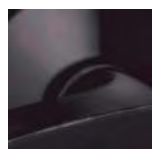
612
Satin Bronze



613
Oil Rubbed
Bronze



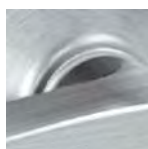
619
Satin Nickel



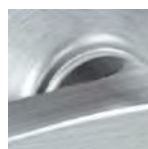
622
Matte Black



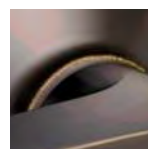
625
Bright Chrome



626
Satin Chrome



626AM
Satin Chrome,
Antimicrobial



643e¹
Aged Bronze

¹ e = an equivalent finish to the BHMA standard



Grade 1 cylindrical locks ND Series

Lever styles



Athens (ATH)
Athens with milled tactile
warning (8AT)



Boardwalk (BRK)
Boardwalk with knurled tactile
warning (8BK)



Broadway (BRW)
Broadway with knurled tactile
warning (8BY)



Latitude (LAT)
Latitude with milled tactile
warning (8LT)



Longitude (LON)
Longitude with milled tactile
warning (8LN)



Omega (OME)



Rhodes (RHO)¹
Rhodes with milled tactile
warning (8RO)¹



Sparta (SPA)
Sparta with milled tactile
warning (8SP)



Tubular (TLR)
Tubular with knurled tactile
warning (8TR)

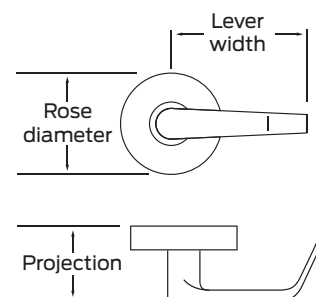
Dimensions

Lever	Width	Projection
Athens (ATH)	4 ⁹ / ₁₆ "	3 ⁵ / ₁₆ "
Boardwalk (BRK)	4 ¹⁵ / ₁₆ "	3 ¹ / ₁₆ "
Broadway (BRW)	4 ¹ / ₂ "	3 ¹ / ₁₆ "
Latitude (LAT)	4 ¹ / ₂ "	3 ¹ / ₈ "
Longitude (LON)	4 ¹⁵ / ₁₆ "	3 ¹ / ₈ "
Omega (OME)	5 ¹ / ₁₆ "	3 ⁵ / ₁₆ "
Rhodes (RHO)	4 ⁹ / ₁₆ "	2 ¹⁵ / ₁₆ "
Sparta (SPA)	4 ¹⁵ / ₁₆ "	3 ¹ / ₂ "
Tubular (TLR)	4 ¹⁵ / ₁₆ "	3"

Rose Diameter

Rose	Diameter
Standard	3 ⁷ / ₁₆ "

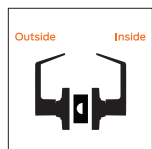
Return to door meets ¹/₂" requirement for Boardwalk (BRK), Longitude (LON), Omega (OME), Rhodes (RHO), Sparta (SPA) and Tubular (TLR) levers



¹ Optional break away lever available

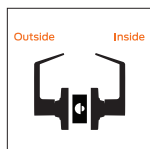


Mechanical non-keyed functions



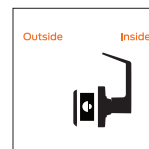
Schlage **ND10**
ANSI **F75**
Passage latch

- Both levers always unlocked.
- Available with Request to Exit (RX) function.



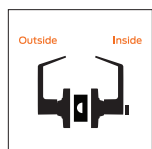
Schlage **ND12**
ANSI **F89**
Exit lock

- Outside lever always fixed.
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



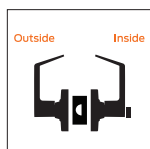
Schlage **ND25**
ANSI **-**
Exit lock

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



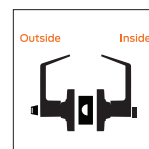
Schlage **ND30**
ANSI **-**
Patio lock

- Push button locking.
- Turning inside lever or closing door releases button, preventing a lock-out.
- Inside lever always free for immediate egress.



Schlage **ND40**
ANSI **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.



Schlage **ND44**
ANSI **-**
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.



Key



Pushbutton



Turn/push
button



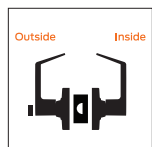
Springlatch



Deadlatch



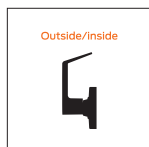
Mechanical non-keyed functions



Schlage ND45
ANSI -

Time out lock with
Vandlgard

- Pushing and holding outside button disengages inside spindle, allowing inside lever to free-wheel without retracting latch.
- Release of outside button allows free egress from inside.



Schlage ND170
ANSI -

Single dummy trim

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



Key



Pushbutton



Turn/push
button



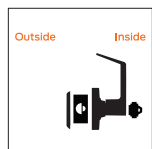
Springlatch



Deadlatch

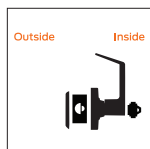


Mechanical keyed functions



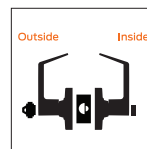
Schlage **ND25 x 70**
ANSI -
Classroom exit lock

- Blank plate outside.
- Key locks or unlocks inside lever.



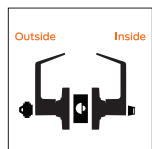
Schlage **ND25 x 80**
ANSI -
Storeroom exit lock

- Blank plate outside.
- Key in fixed inside lever retracts latch.



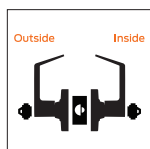
Schlage **ND50**
ANSI **F82**
Entrance/office lock

- Push-button locking.
- Push-button locks outside lever until it is unlocked with key or by turning inside lever.
- Inside lever always free for immediate egress.



Schlage **ND53**
ANSI **F109**
Entrance lock

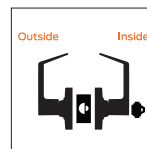
- Turn/push-button locking: Pushing and turning the button locks the outside lever, requiring use of a key until the button is manually unlocked.
- Push-button locking: Pushing button locks outside lever until unlocked by key or by turning the inside lever.
- Inside lever always free for immediate egress.



Schlage **ND60**
ANSI **F88**
Vestibule lock

- Latch retracted by key from outside when outside lever is locked by key in inside lever.
- Inside lever always free for immediate egress.

Available with an optional indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only.



Schlage **ND60**
ANSI -
Vestibule with closed outside lever

- Same as ND60 except outside lever is closed.
- Inside lever always free for immediate egress.



Key



Pushbutton



Turn/push
button

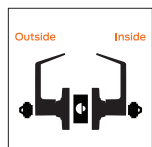


Springlatch



Deadlatch

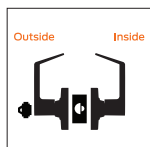
Mechanical keyed functions



Schlage **ND66**
ANSI **F91**
Store lock

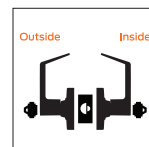
- Key in either lever locks or unlocks both levers.

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



Schlage **ND70**
ANSI **F84**
Classroom lock

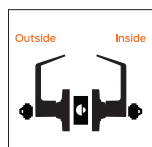
- Outside lever locked and unlocked by key.
- Inside lever always free for immediate egress.



Schlage **ND70 x 80**
ANSI **-**
Classroom by storeroom lock

- Key locks and unlocks outside lever.
- Key in fixed inside lever retracts latch.

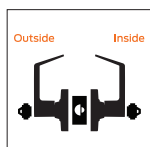
Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Schlage **ND72**
ANSI **-**
Communicating lock

- Key in either lever locks and unlocks respective lever.

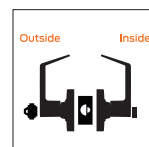
Caution: Double cylinder locks on any door, in any structure, which is used for egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Schlage **ND72**
ANSI **-**
Communicating lock with Vandlgard

- Communicating, ND72, lock with Vandlgard.
- Key in either lever locks and unlocks own lever.
- Both inside and outside levers are clutching.

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



Schlage **ND73**
ANSI **F90**
Corridor lock

- Locked or unlocked by key from outside.
- Push-button locking from inside.
- Turn inside lever or close door to release button.
- When outside lever is locked by key it can only be unlocked by key.
- Inside lever always free for immediate egress.



Key



Pushbutton



Turn/push button

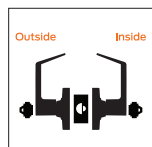


Springlatch



Deadlatch

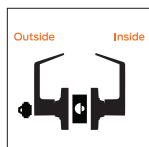
Mechanical keyed functions



Schlage **ND75**
ANSI -
Classroom security lock

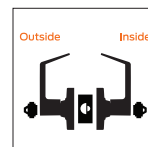
- Key in either lever locks or unlocks outside lever.
- Inside lever always free for immediate egress.

Comes standard with an indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only. Other finishes receive a standard rose.



Schlage **ND80**
ANSI **F86**
Storeroom lock

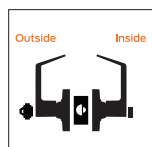
- Outside lever is fixed.
- Entrance by key only.
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



Schlage **ND82**
ANSI **F87**
Institution lock

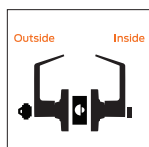
- Both levers always fixed.
- Entrance by key in either lever.

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



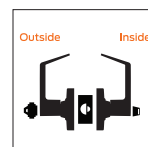
Schlage **ND85**
ANSI -
Faculty restroom lock

- Outside lever is fixed.
- Entrance by key only.
- Visual occupancy indicator, allowing only emergency key to operate.
- Turn inside lever or close door to unlock.
- Rotation of inside spinner-button enables lock-out feature.
- Inside lever always free for immediate egress.
- Not available with interchangeable core cylinders.



Schlage **ND91**
ANSI **F82**
Entrance/office lock with Vandlgard

- 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.



Schlage **ND92**
ANSI **F109**
Entrance lock with Vandlgard

- 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.



Key



Pushbutton



Turn/push
button



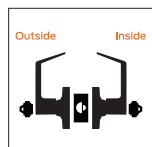
Springlatch



Deadlatch



Mechanical keyed functions

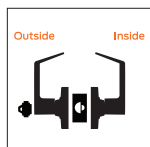


Schlage **ND93**
ANSI **F88**

Vestibule lock with Vandlgard

- 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.

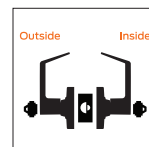
Available with an optional indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only.



Schlage **ND94**
ANSI **F84**

Classroom lock with Vandlgard

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

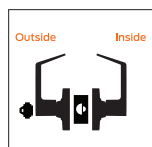


Schlage **ND95**
ANSI **-**

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.

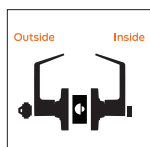
Comes standard with an indicator rose that clearly identifies key rotation direction for rapid lockdown. 626 finish only. Other finishes receive a standard rose.



Schlage **ND96**
ANSI **F86**

Storeroom lock with Vandlgard

- 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.
- Available with Request to Exit (RX) function.



Schlage **ND97**
ANSI **F90**

Corridor lock with Vandlgard

- 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.
- Vandlgard allows outside spindle to disengage from latch when locked.
- Inside lever always free for immediate egress.



Key



Pushbutton



Turn/push
button



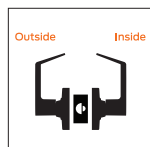
Springlatch



Deadlatch

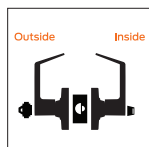


Wired electrified functions



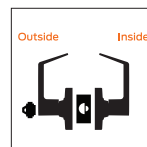
Schlage **ND12EL**
ND12EU
ANSI -
Keyless electrified exit

- Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC.
- EL is fail safe (power fail unlocks outside lever).
- EU is fail secure (power fail locks outside lever).
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



Schlage **ND80EL**
ND80EU
ANSI -
Electrified storeroom

- Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC.
- EL is fail safe (power fail unlocks outside lever).
- EU is fail secure (power fail locks outside lever).
- Key outside serves as mechanical override.
- Inside lever always free for immediate egress.
- Available with Request to Exit (RX) function.



Schlage **ND96EL**
ND96EU
ANSI -
Electrified storeroom with Vandlgard

- Adds Vandlgard to ND80EL/EU.
- Vandlgard allows outside spindle to disengage from latch when locked, limiting the ability of vandals to apply excessive force to the chassis.
- Available with Request to Exit (RX) function.



Key



Pushbutton



Turn/push
button



Springlatch



Deadlatch



Cylinders

Conventional cylinder

P	6-pin Conventional (standard)
Z	SL 7-pin Conventional (A2 pinning)
L	Less Conventional
C	Less 6-pin Conventional double cylinder

Full size interchangeable core (FSIC)

R	6-pin FSIC
M	SL 7-pin FSIC (A2 pinning)
J	Less FSIC
T	Refundable FSIC construction core

Small format interchangeable core (SFIC)

G	7-pin SFIC (A2 pinning)
B	Less SFIC
BDC	Disposable SFIC construction core
H	Refundable SFIC construction core



Cylinders

Chassis

Material	Modular design of zinc and steel components plated for corrosion protection
Door thickness	Standard: 1 ⁵ / ₈ " to 2 ¹ / ₈ " Optional: 1 ³ / ₈ " - 6" EE, EO, EI, ED configurations

Trim

Handing	Non-handed
Levers	Pressure cast zinc, plated to match product finish specification
Roses	Wrought brass, bronze, or zinc, plated to match product finish specification

Latch

Backset	Standard: 2 ³ / ₄ " Optional: 2 ³ / ₈ ", 3 ³ / ₄ ", 7 ³ / ₄ "
Faceplate	Standard : 1 ¹ / ₈ " x 2 ¹ / ₄ " Optional: 1" x 2 ¹ / ₄ " for 2 ³ / ₈ " backset doors
Latch	Standard : ¹ / ₂ " throw via Oil Impregnated Stainless Steel Optional : ³ / ₄ " throw anti-friction bolt available for pairs of doors
Strike	Standard: ANSI Curved Lip: 1 ¹ / ₄ " x 4 ⁷ / ₈ " x 1 ³ / ₁₆ " Optional: T Strike, ANSI strikes with alternative lip lengths, dust box options

Keying

Cylinder format	6-pin Conventional (standard); also available in FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options designed to fit competitive cores from Sargent, Corbin Russwin, Yale and Medeco.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus XP security levels with available master keying and construction keying.

Wired electrified

Input Voltage	Autodetecting 12-24V DC, + 10%
Operating mode	Fail Safe or Fail Secure via switch on chassis
Current draw	0.23 amps maximum; 0.01 amps holding
Request to Exit	Modular - 3A @ 125VAC / 2A @ 30VDC

Warranty

10 years mechanical, 1 year wired electrified



Specifications

Certifications

ANSI/BHMA	All ND Series comply with A156.2 performance requirements for grade 1 cylindrical locks. Wired electrified complies with A156.25 (indoor).
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	All locks 3-hour A label single fire door 4'0" x 10'0"; pair doors 3-hour fire door 8'0" x 8'0" with $\frac{3}{4}$ " latch option; pair doors 90-minute fire door 8'0" x 10'0" with $\frac{3}{4}$ " latch option
CA Fire Code	All levers with a return to door of $\frac{1}{2}$ " (64 mm) or less comply (Rhodes, Sparta, Tubular, Omega, Longitude and Boardwalk)
FL Building Code	Complies with Florida Building Code (ASTM E330, E1886, E1996) and Miami Dade (TAS 201, 202, 203) requirements for hurricanes
Federal	Meets FF-H-106C Series 161; BAA compliant, all functions.

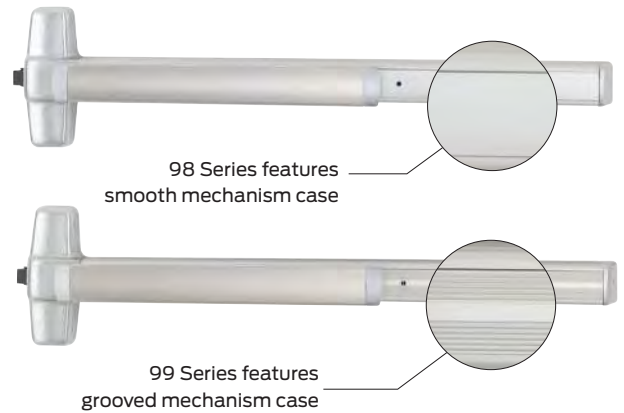
VON DUPRIN®

Exit device

98/99 Series

Overview

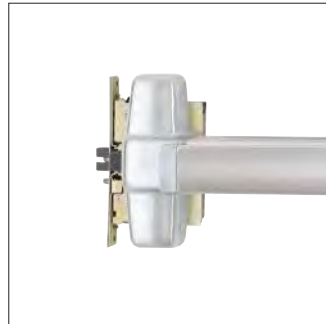
The 98/99 Series devices are heavy-duty push pads. The 98 Series has a smooth mechanism case, while the 99 Series has a grooved mechanism case. The 98/99 Series has been certified to the highest industry standards and are used in schools, hospitals and government buildings.



Device types



Rim device



75 Mortise lock device



27 Surface mounted vertical rod device ¹



47 Concealed vertical rod device, 5/16" throw ¹

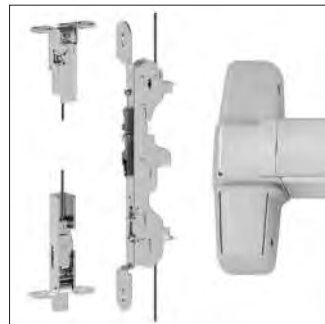
48 Concealed vertical rod device, 5/8" top, 1 1/2" bottom throw



47WDC Concealed vertical rod wood door device ¹



49 Concealed vertical cable device ²



50WDC Concealed vertical cable wood door device



57 Three-point latch device

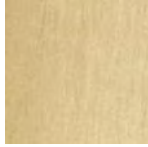
¹ Also available less bottom rod (LBR)

² Also available less bottom latch (LBL)

Finishes



605
Bright Brass



606
Satin Brass



612
Satin Bronze



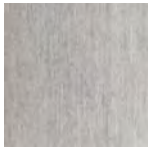
619
Satin Nickel



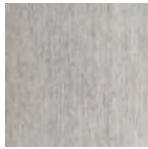
622
Matte Black



625
Bright Chrome



626
Satin Chrome



626AM
Satin Chrome,
Antimicrobial



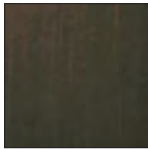
628
Aluminum, Clear
Anodized



630
Satin Stainless



630AM
Satin Stainless,
Antimicrobial



643e
Aged Bronze



693
Black



710
Dark Brown,
Anodized

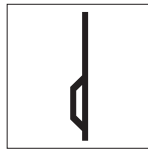
Due to the many variations in monitors and printers, color samples may appear different than the physical product. Contact your local sales representative for a physical color sample.

Trim functions



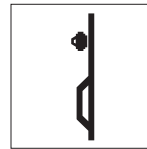
EO No outside trim

- Exit only



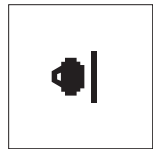
DT Dummy trim

- Pull when dogged (not recommended for fire device)



NL Night latch

- Key retracts latchbolt
- Rim and 1 1/4" mortise cylinder



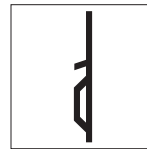
NLOP Night latch

- Key retracts latchbolt, pull required



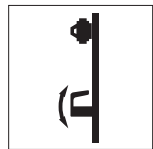
TP Thumbpiece

- Key locks and unlocks
- Rim and 1 1/4" mortise cylinder



TPBE Thumbpiece, blank escutcheon

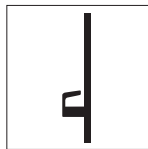
- Blank escutcheon always operable (no cylinder, use with DT trim)



L Lever

K Knob

- Key locks and unlocks
- Rim and 1 1/4" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available



LDT Lever, dummy trim

KDT Knob, dummy trim

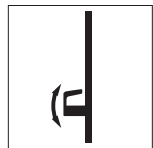
- Pull when dogged



LNL Lever, night latch

KNL Knob, night latch

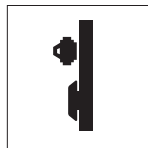
- Key retracts latchbolt
- Rim and 1 1/4" mortise cylinder
- Handed, reversible lever



LBE¹ Lever, blank escutcheon

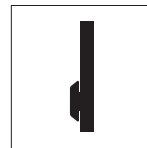
KBE Knob, blank escutcheon

- Always operable (no cylinder)



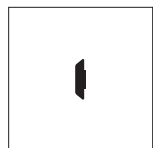
TL Turn lever

- Key locks and unlocks (use with DT trim)
- 1 1/4" mortise cylinder

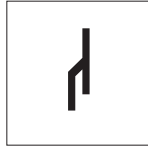


TLBE Turn lever, blank escutcheon

- Blank escutcheon always operable (no cylinder, use with DT trim)



TLOP Turn lever, optional pull



HL Hospital latch

- Key locks and unlocks
- 1 1/4" mortise cylinder

Trim styles



990



996



696



697
3/4" (19mm) diameter pull



392-7



HL



374



VR910



VR914

Dimensions

Trim style	Width	Height	Thickness	Projection
990	3"	14 ³ / ₁₆ "	³ / ₃₂ "	2"
996 Knob	2 ³ / ₄ "	10 ³ / ₄ "	²⁷ / ₃₂ "	3 ¹ / ₄ "
996 Lever	2 ³ / ₄ "	10 ³ / ₄ "	²⁷ / ₃₂ "	2 ⁷ / ₈ "
696	1 ⁵ / ₈ "	13 ¹ / ₂ "	³ / ₁₆ "	2 ¹ / ₆ "
697	1 ⁵ / ₈ "	13 ¹ / ₂ "	³ / ₁₆ "	3"
392-7	³ / ₄ " inch round stainless steel with 7" center to center that matches the 98/99 center case. 3 ¹ / ₂ " offset with 1 ¹ / ₂ " clearance.			
HL	2 ⁹ / ₁₆ "	7 ⁷ / ₈ "	-	2 ⁵ / ₈ "
374	2 ³ / ₄ "	10 ³ / ₄ "	²⁷ / ₃₂ "	
VR910/914 with RIM/verticals	5 ¹ / ₂ "	11"	-	
VR910/914 with mortise	7 ¹ / ₄ "	11"	-	

Lever styles

Decorative levers



M51

■ Knurling available



M52

■ Knurling available



M53



M54



M55



M56



M57¹



M61

■ Handed

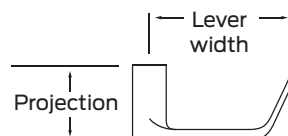


M62¹

■ Handed

Dimensions

Lever	Width	Projection
M51	4.5"	2.5"
M52	4.5"	2.4"
M53	4.4"	2.4"
M54	4.4"	2.3"
M55	4.4"	2.7"
M56	4.5"	2.3"
M57	4.5"	2.7"
M61	4.5"	2.7"
M62	4.6"	2.4"



¹ Available in stainless steel substrate only

Lever styles

Decorative levers



M63
■ Handed



M81
■ Knurling available



M82



M83



M84



M85
■ Handed



ME1'
■ Handed



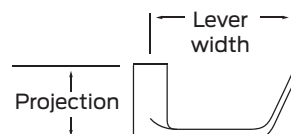
ME2'
■ Handed



ME3'

Dimensions

Lever	Width	Projection
M63	4.6"	2.6"
M81	4.8"	2.5"
M82	4.9"	2.5"
M83	4.7"	2.25"
M84	5.1"	2.2"
M85	4.9"	2.7"
ME1	5.4"	2.6"
ME2	5.2"	2.4"
ME3	5"	2.8"



¹ Designed with Gensler as product design consultant

Lever styles

Standard levers



01



02

■ Knurling available



03

■ Knurling available



05



06

■ Default lever
■ Suites with Schlage Rhodes
■ Knurling available



07

■ Suites with Schlage Athens



12

■ Handed

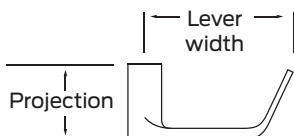


16

■ Suites with Schlage Omega

Dimensions

Lever	Width	Projection
01	4.0"	2.1"
02	4.75"	2.3"
03	4.75"	2.813"
05	3.75"	2.8"
06	4.7"	2.1"
07	4.6"	2.3"
12	4.3"	2.9"
16	5.05"	2.66"



Lever styles

Standard levers



17
 ■ Suites with Schlage Sparta
 ■ Knurling available



18



Accent (ACC)
 ■ Handed



Asti (AST)
 ■ Handed



Merano (MER)
 ■ Handed



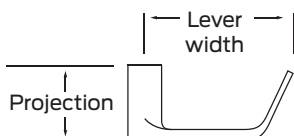
Latitude (LAT)



Longitude (LON)

Dimensions

Lever	Width	Projection
17	4.7"	2.3"
18	4.75"	2.4"
Accent (ACC)	4.4"	3.1"
Asti (AST)	4.2"	2.5"
Merano (MER)	4.1"	2.5"
Latitude (LAT)	4.6"	2.3"
Longitude (LON)	4.9"	2.3"



Electromechanical device options

Switches

LX	Latchbolt monitoring
LX-LC	Latchbolt monitoring, low current <ul style="list-style-type: none"> ▪ Signals use of an opening ▪ SPDT switch to monitor latch bolt ▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option
RX	Request to exit
RXLC	Request to exit - low current
RX2	Double request to exit - 2 RX switches
WP-RX	Waterproof request to exit
RX-AUX	RX to RX-2 conversion <ul style="list-style-type: none"> ▪ Signals use of an opening ▪ SPDT switch to monitor pushpad ▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option
LX-RX	Request to exit/latchbolt monitoring combination
LX-RX-LC	Request to exit/latchbolt monitoring combination, low current <ul style="list-style-type: none"> ▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option
SS	Signal switch <ul style="list-style-type: none"> ▪ Monitors pushpad and latchbolt ▪ Signals unauthorized use of an opening ▪ Switch makes latch bolt tamper-resistant ▪ Up to 2.0 A @ 24VDC

Latch retraction

EL	Electric latch retraction
SD-EL	Electric latch retraction with special center case dogging <ul style="list-style-type: none"> ▪ Enables remote unlatching ▪ Alternative to manual dogging ▪ Voltage: 24VDC (continuous duty) ▪ Current: 16.0 A inrush / 0.3 A holding

QEL	Quiet electric latch retraction
HD-QEL	Quiet electric latch retraction with hex dogging
SD-QEL	Quiet electric latch retraction with special center case dogging <ul style="list-style-type: none"> ▪ Bolt retraction via switch ▪ Converts exit door to push-pull operation ▪ Voltage: 24VDC ▪ Current: 1.0 A inrush (0.5 sec.) / 0.14 A holding

Delayed egress

CX	Chexit delayed exit <ul style="list-style-type: none"> ▪ Meets NFPA 101 requirements ▪ Self-contained controls, locking, alarm ▪ Input voltage: 24VDC ▪ Input current inrush: 1.25 A ▪ Input current holding: 390 mA ▪ Alarm relay and secure relay contact ratings: 24 VDC, 1 A
CX-RCM	Chexit remote module <ul style="list-style-type: none"> ▪ Chexit for smaller doors that can not accommodate a standard Chexit device ▪ Size: 3.75" x 5.57" x 2.50" ▪ Input voltage: 24VDC ▪ Input current inrush: 1.25A ▪ Input current holding: 390mA ▪ Alarm relay and secure relay contact ratings: 24 VDC, 1 A

Miscellaneous

ALK	Alarm exit kit <ul style="list-style-type: none"> ▪ Unauthorized opening triggers 85-decibel horn ▪ Set in armed or disarmed mode by key ▪ Assembly includes both a 24VDC input and external inhibit
------------	--

Electromechanical device options

CON	Allegion Connect <ul style="list-style-type: none">Common connectors to connect various door hardware all the way to the power supply
E996	Electric locking and unlocking trim <ul style="list-style-type: none">Remains latched while unlockedRemote electrical controlVoltage: 24VDC (Continuous Duty)Current: 0.22 amps
E7500	Electric mortise lock device <ul style="list-style-type: none">Voltage: 12 or 24VDCCurrent: 0.60 amps @ 12VDC, 0.30 amps @ 24VDC

Electromechanical device options

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Switches									Latch retraction					Delayed egress		Misc			
	LX	LX-LC	RX	RXLC	RX2	WP-RX	LX-RX	LX-RX-LC	SS	EL	SD-EL	QEL	HD-QEL	SD-QEL	CX	CX-RCM	ALK	CON	E996	Mortise
98 99	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
98F 99F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
XP98 XP99		■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■
XP98-F XP99-F		■	■	■	■	■	■	■		■		■			■	■	■	■	■	■
9875 9975			■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■
9875-F 9975-F			■	■	■	■			■	■		■			■	■	■	■	■	■
9827 9927	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9827-F 9927-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9857 9957	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9857-F 9957-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9847 9947	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9847-F 9947-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9848 9948	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9848-F 9948-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9849 9949	■ ¹	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9849-F 9949-F	■ ¹	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9847WDC 9947WDC	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9847WDC-F 9947WDC-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■
9850WDC 9950WDC	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
9850WDC-F 9950WDC-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	■

¹ For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Mechanical device options

Dogging

CD	Cylinder dogging, panic only
CD-CX	Center case cylinder dogging for Chexit devices
CI	Cylinder dogging indicator <ul style="list-style-type: none"> Battery-operated dogging indicator in cylinder format with red light visible from over 75 feet away
DI	Dogging indicator <ul style="list-style-type: none"> Battery-operated dogging indicator in hex format with red light visible from over 75 feet away
LD	Less dogging
SD	Special center case dogging <ul style="list-style-type: none"> Center case cylinder dogging

Classroom security

-2	Double cylinder <ul style="list-style-type: none"> Inside key cylinder locks/unlocks outside trim
-2SI	Double cylinder with security indicator <ul style="list-style-type: none"> Inside key cylinder locks/unlocks outside trim with visible indicators that provide status of door
CDSI	Cylinder dogging with indicator <ul style="list-style-type: none"> Provides visible lock/unlock indicators showing whether device is dogged or undogged
HDSI	Hex dogging with indicator <ul style="list-style-type: none"> Provides visible lock/unlock indicators showing whether device is dogged or undogged

Environmental

PN	Pneumatic latch retraction <ul style="list-style-type: none"> For areas where electrical devices banned Special linkage for mechanical or pneumatic dogging
QM	Quiet mechanical option <ul style="list-style-type: none"> Provides damper-controlled relatching of device
INS	Insulclad kits <ul style="list-style-type: none"> Kits with longer fasteners or parts for Insulclad doors
AM	Anti-microbial finish

Weatherized

WH	Weep holes <ul style="list-style-type: none"> Drainage (weep) holes in mechanism case
WS	Windstorm <ul style="list-style-type: none"> Severe weather certified/tested FEMA and ICC compliant Tornado and hurricane tested

California code

AX	Accessible device <ul style="list-style-type: none"> UL certified to meet new 5 lb. maximum operating force requirement Exceeds ANSI/BHMA requirements
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Latches

PL	Pullman latch <ul style="list-style-type: none"> Latches are always extended Most commonly used in conjunction with electric strikes and LBR-less bottom rod application
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Mechanical device options

Touch bar trim

RSS	Red silk screen <ul style="list-style-type: none">▪ Red silk-screened lettered touchbar trim
PUSH	PUSH <ul style="list-style-type: none">▪ Touchbar trim embossed PUSH
SG	Safety glow <ul style="list-style-type: none">▪ Self-illuminating touchpad▪ Glows brightly during low or no light conditions
KN	Knurled touchbar <ul style="list-style-type: none">▪ Tactile warning applied to device
BRAILLE	Braille <ul style="list-style-type: none">▪ Vision impaired touchpad▪ Raised letter and Braille

Mechanical device options

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Dogging						Classroom security				Environmental				Weatherized		CA code
	CD	CD-CX	CI	DI	LD	SD	-2	-2SI	CDSI	HDSI	PN	QM	INS	AM	WH	WS	AX
98 99	■	■	■	■	■	■	■	■	■	■	■	■		■	■		■
98F 99F							■	■			■	■		■	■		■
XP98 XP99	■	■	■	■	■	■	■	■	■	■				■	■		■
XP98-F XP99-F							■	■						■	■		■
9875 9975	■	■	■	■	■	■	■		■	■	■			■	■		
9875-F 9975-F							■				■			■	■		
9827 9927	■	■	■	■	■	■			■	■	■	■		■	■	■	■ LBR
9827-F 9927-F											■	■		■	■	■	■ LBR
9857 9957	■	■	■	■	■	■			■	■	■			■	■	■	
9857-F 9957-F											■			■	■	■	
9847 9947	■	■	■	■	■	■			■	■	■		■	■	■		■ LBR
9847-F 9947-F											■			■	■		■ LBR
9848 9948	■	■	■	■	■	■			■	■	■			■	■		
9848-F 9948-F											■			■	■		
9849 9949	■	■	■	■	■	■			■	■	■		■	■	■		■ LBL
9849-F 9949-F											■			■	■		■ LBL
9847WDC 9947WDC	■	■	■	■	■	■			■	■	■			■	■		
9847WDC-F 9947WDC-F											■			■	■		
9850WDC 9950WDC	■	■	■	■	■	■			■	■	■			■	■		■ LBL
9850WDC-F 9950WDC-F											■			■	■		■ LBL

Mechanical device options

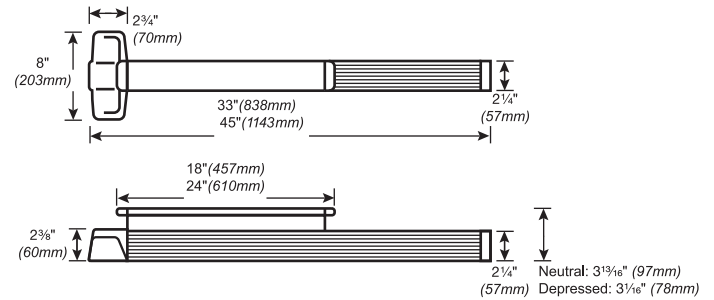
Matrix shows available options per device type but does not represent compatibility across multiple options.

	Latches	Touch bar trim				
	PL	RSS	PUSH	SG	KN	BRAILLE
98 99		■	■	■	■	■
98F 99F		■	■	■	■	■
XP98 XP99		■	■	■	■	■
XP98-F XP99-F		■	■	■	■	■
9875 9975		■	■	■	■	■
9875-F 9975-F		■	■	■	■	■
9827 9927	■	■	■	■	■	■
9827-F 9927-F		■	■	■	■	■
9857 9957		■	■	■	■	■
9857-F 9957-F		■	■	■	■	■
9847 9947	■	■	■	■	■	■
9847-F 9947-F		■	■	■	■	■
9848 9948		■	■	■	■	■
9848-F 9948-F		■	■	■	■	■
9849 9949		■	■	■	■	■
9849-F 9949-F		■	■	■	■	■
9847WDC 9947WDC		■	■	■	■	■
9847WDC-F 9947WDC-F		■	■	■	■	■
9850WDC 9950WDC		■	■	■	■	■
9850WDC-F 9950WDC-F		■	■	■	■	■

Specifications

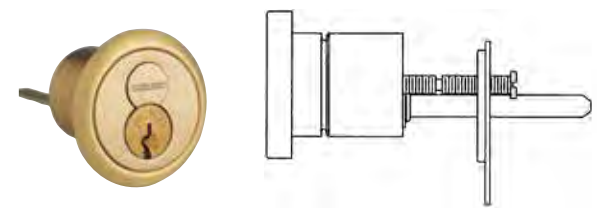
Accessibility	<ul style="list-style-type: none"> Force to depress push pad <ul style="list-style-type: none"> AX device: 5 lbs Standard device: 15 lbs Push pad projection <ul style="list-style-type: none"> Neutral: 3 ¹³/₁₆" (97 mm) Depressed: 3 ¹/₁₆" (78 mm)
Certifications/ approvals	All Von Duprin 98/99 exit devices are ANSI/BHMA Certified. Please refer to the BHMA Certified Products Directory for specific listings.
Mounting height	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion
Warranty	36 months from the date of placing the product in operation

Dimensions



Cores

Full size interchangeable core cylinders for exit devices, aluminum door, etc.



Interchangeable core rim cylinders for exit devices	
Number	Core mechanism
20-057	Conventional core
20-757	Primus core
20-757-XP	Primus XP core
20-079	Housing only, less core

Available in 605, 606, 609, 612, 613, 619, 625, 626, and 643e finish.



Cylinders for Adams Rite MS and 4700 Series Lori 4500 Series and Corbin Russwin DL3000 Series		
Number	Core mechanism	Collar
26-098	Conventional core	Compression ring & spring
20-062	Conventional core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-766	Primus core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-766-XP	Primus XP core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-060	Housing less core	None

These cylinders include set screw pack B220-050 for Adams Rite locks.



K510-711
Adams Rite
MS cam

Cylinders for Adams Rite 4070 Series deadlocks		
Number	Core mechanism	Collar
20-091	Conventional core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-722	Primus core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-722-XP	Primus XP core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-090	Housing less core	None



B520-378
Adams Rite
4070 cam

- Notes
1. Mortise cylinders available 605, 606, 609, 612, 613, 619, 625, 626, and 643e finish. Cores furnished 606 and 626 only.
 2. To differentiate between Classic and Everest 29, specify keyway. Example: C or CP (Classic), S123 (Everest 29).
 3. All cylinders are 1 1/2" long.
 4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

Full Size Interchangeable Core Availability



A-Series
Orbit design



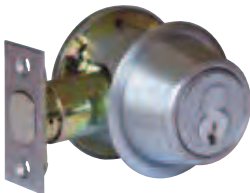
ND-Series lever
all designs



AL-Series
Saturn design



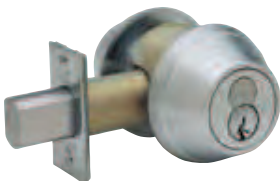
H-Series knob
Orbit design



B500-Series



L-Series
all designs
except concealed



B600 / 700-Series



S-Series
all designs
except Flair



D-Series knob
Orbit design

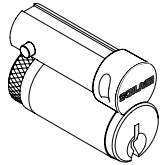


S200-Series
all designs for S210



All except Flair for other
functions

Full Size Interchangeable Core Cylinders for Schlage Locksets



Full Size Core Only

Number	Mechanism
23-030	Conventional core
30-120	Conventional core for hotel function (specify hand)
20-740-XP	Primus XP core (not available in hotel function)

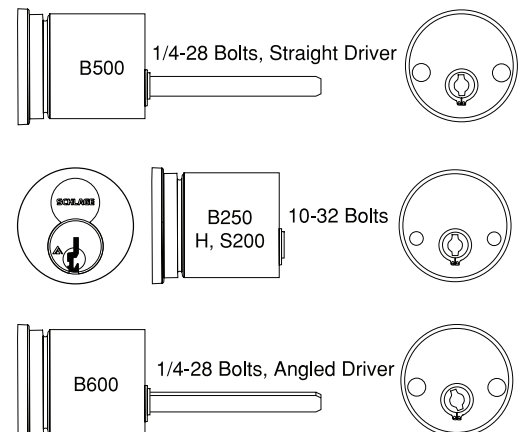
Available 606 and 626 finish only. Order control keys separately.

Full Size IC Housings for Bored Deadlocks, Less Core

Lockset Series	Description	Number	Specify Finish
B500-Series	Outside	B610-203, B610-205	605, 609, 612, 613, 619, 625, 626, and 716
	Inside	B610-028**	605, 609, 612, 613, 619, 625, 626, and 716
B250, H, S200-Series	Outside	22-061	605, 606, 609, 610, 611, 612, 613, 616, 625, 626
	Inside of B252	22-062	
B600 / 700-Series	Outside	B610-027	605, 606, 609, 612, 613, 625, 626
	Inside	B610-028	See Note Below

Specify finish of B610-031 inside snap-on faceplate ordered separately for BC162 and B662/762.

**Inside housing does not include snap-on faceplate



KS43F



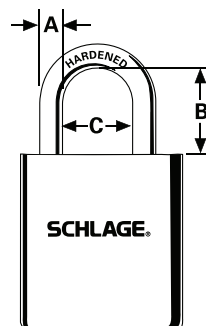
KS72F



KS92M

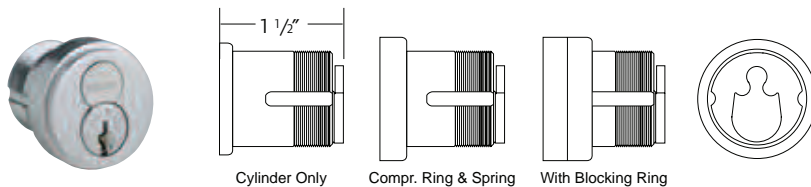
Full Size Interchangeable Core Padlocks

Part #	Shackle Dimensions		
	A	B	C
LESS CYLINDER - FULL SIZE INTERCHANGEABLE CORE			
BRASS BODY			
KS43A3200	3/8"	3/4"	3/4"
KS43D3200	3/8"	1 1/2"	3/4"
KS43F3200	3/8"	2"	3/4"
KS43G3200	3/8"	4"	3/4"
STEEL BODY			
KS72M3200	7/16"	1"	7/8"
KS72F3200	7/16"	2"	7/8"
KS92M3200	3/8"	1"	3/4"

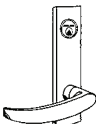



Note: To order Primus XP add the suffix - XP to the Primus part number. (Example: 12-345-XP)

Full Size Interchangeable Core Mortise Cylinders



Cylinders for Schlage L-Series Mortise Locks

	Design	Function	Core Mechanism		
			Conventional	Primus, Primus XP	Housing Less Core
	L & N Escutcheons (cylinders with compression ring)	All Except Below	30-008	20-798, 20-798-XP	30-007
		L9060P Outside	30-030	20-782, 20-782-XP	30-032 + 36-083
		L9485P, L9486P Hotel Functions	30-010*	N/A	30-007
	Sectional Trim (cylinder with compression ring, spring and 3/8" blocking ring). 9060 requires 1/2" blocking ring.	All Except Below	30-138	20-776, 20-776-XP	30-137
		L9060P Outside	30-030 + 36-083 + 35-082-030	20-783, 20-783-XP	30-032 + 36-083 + 36-082-050
		L9485P, L9486P Hotel Functions	30-040*	N/A	30-137

* Hotel function cores are handed. Specify hand of door.



L583-489
Cam for All Functions
Except L9060 Outside



K510-680
Cam for
L9060 Outside

Mortise Cylinders with Straight Cam for Exit Devices

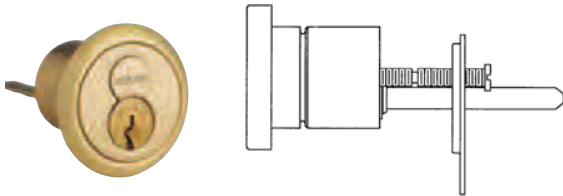
Number	Core Mechanism	Collar
26-091	Conventional core	Compression ring & spring
20-061		3/8" blocking rings + compression ring & spring
20-763, 20-763-XP	Primus/Primus XP core	Compression ring & spring
20-771, 20-771-XP		3/8" blocking rings + compression ring & spring
20-059	Housing less core	None
26-064		Compression ring & spring



K510-730
Straight Cam,
Other Applications

- Notes
1. Available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
 2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest). Everest C123 keyway standard.
 3. All cylinders are 1 1/2" long.
 4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

Full Size Interchangeable Core Cylinders for Exit Devices, Aluminum Doors, etc.



Interchangeable Core Rim Cylinders for Exit Devices

Number	Core Mechanism
20-057	Conventional core
20-757	Primus core
20-757-XP	Primus XP core
20-079	Housing only, less core

Available 605, 606, 609, 610, 612, 613, 625 and 626 finish.



Cylinders for Adams Rite MS and 4700 Series Lori 4500 Series and Corbin Russwin DL3000 Series

Number	Core Mechanism	Collar
26-098	Conventional core	Compression ring & spring
20-062	Conventional core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-766	Primus core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-766-XP	Primus XP core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-060	Housing less core	None

These cylinders include set screw pack B220-050 for Adams Rite locks.



K510-711
Adams Rite
MS Cam

Cylinders for Adams Rite 4070 Series Deadlocks

Number	Core Mechanism	Collar
20-091	Conventional core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-722	Primus core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-722-XP	Primus XP core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-090	Housing less core	None



B520-378
Adams Rite
4070 Cam

- Notes
1. Mortise cylinders available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
 2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest).
 3. All cylinders are $1\frac{1}{2}''$ long.
 4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

A

Hinges & Pivots

B6

Pulls & Plates

C

Flush Bolts & Coordinators

D

Latches, Catches & Bolts

E

Stops

F

Exterior Hardware

G

Miscellaneous Hardware



8200 Push Plate
8300 Pull Plate, Prep for Pull (less pull)

Available Sizes

3" x 12"
3.5" x 15"
4" x 16"
6" x 16"
8" x 16"

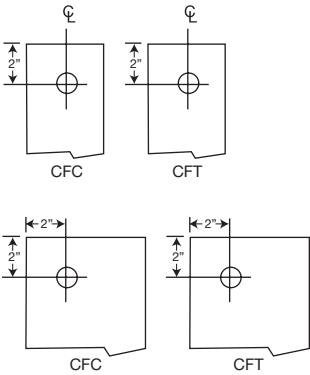
Special sizes are available. Consult factory.

Plates Cut for Cylinder or Thumbturns

Plates are available with cutout for cylinder or thumbturn; standard cutout is 2" from top and centered on plates up to 4" wide. For plates wider than 4" cutout is located 2" from outer edge, specify LH or RH. When pull location interferes with standard cutout location a detail drawing should be furnished with the order.

Standard cutout is 1-1/4" for cylinder and 3/8" for thumbturn.

Specify CFC for cutout for cylinder or CFT for cutout for thumbturn.



Finishes brass

US Number	US3	US4	US10	US10B	US15	US26	US26D*
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

** Available with Antimicrobial Coating, use suffix AM*



8302 Pull plate

Available mounting – Standard, F, G, H-I-L, or J see pages B15 and B16
Pulls have new heavy duty 5/16-18" mounting.

8300 Plate	8102 Pull
3-1/2" x 15"	6" centers
4" x 16"	8" centers
6" x 16"	10" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D*
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM



8303 Pull plate

Available mounting – Standard, F, G, H-I-L, or J see pages B15 and B16
Pulls have new heavy duty 3/8-16" mounting.

8300 Plate	8103 Pull
3-1/2" x 15"	8" centers
4" x 16"	10" centers
6" x 16"	7" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D*
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D*
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM



8305 Pull plate

Available mounting – Standard or F see page B15
Pulls have 1/4 - 20" mounting

8300 Plate	8105 Pull
3-1/2" x 15"	6" centers
4" x 16"	8" centers
6" x 16"	10" centers

Finishes brass

US Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626

Finishes stainless steel

US Number	US32D
BHMA	630

Finishes aluminum

US Number	US28
BHMA	628

* Available with Antimicrobial Coating, use suffix AM

A
Hinges & Pivots

B7
Pulls & Plates

C
Flush Bolts & Coordinators

D
Latches, Catches & Bolts

E
Stops

F
Exterior Hardware

G
Miscellaneous Hardware



Meets ANSI/BHMA A156.3, Type 21A.
UL Listed for installation on labeled frame.

COR

Series Bar Coordinators

- The COR Series Coordinators are designed for use on pairs of doors when one door needs to close before the other.
- All COR units function easily. The active door lever, located nearest to the active stop, holds the active door open until the trigger mechanism is released by the closing of the inactive leaf.
- All COR units may not function correctly with swingclear hinges.
- All COR units are equipped with an adjustable override feature which allows the active door to close under extreme pressure.
- All COR units are compatible with Flush Bolts.
- The COR Series is available in five sizes for variable door opening widths.
- The COR Series does not cover the entire length of the stop, so a FL filler bar can be provided to maintain architecturally clean lines.
- COR Series Coordinator Channels and FL fillers are made of aluminum.
- Optional Filler Bars: FL20 - 20", FL32 - 32" and FL44 - 44", available to maintain clean line.
- Optional Mounting Brackets available: MB1, MB2, MB1F, MB2F, MB3F, MB1V, MB2V, and MB3V for other stop applied hardware.

For Openings Where Doors Are Same Size

Coordinator Number	Length of Channel	For Opening Widths	Common Applications
COR32	32"	34" - 52"	Pair of 2'0" Doors
COR42	42"	52" - 72"	Pair of 2'6" Doors
COR52	52"	62" - 92"	Pair of 3'0" Doors
COR60	60"	70" - 108"	Pair of 3'6" Doors
COR72	72"	84" - 132"	Pair of 4'0" Doors

For Openings Where Doors Are Unequal Size

The coordinator length should equal the active door width plus approximately 1/2 the inactive door width. The coordinator must be 6" longer than the active door width and shorter than the overall frame opening between stops.

Finishes

Ives Finish	US28	US26D	315AN
BHMA	628	713	711



FL

Series Filler Bars

- The FL Filler Bars are available in three sizes for variable frame openings.
- FL Filler Bars are made of aluminum
- FL Filler Bars are field sized to frame opening.

Filler Bar

Number	Length	Dimensions
FL20	20"	1-5/8" W x 5/8" D x 20" L
FL32	32"	1-5/8" W x 5/8" D x 32" L
FL44	44"	1-5/8" W x 5/8" D x 44" L

Finishes

Ives Finish	US28	US26D	315AN
BHMA	628	713	711

MB1 and MB2



Mounting Brackets

- Allows stop mounted hardware to be properly installed without damaging the COR coordinator, such as a parallel arm closer or a non-fire-rated surface vertical rod strike.
- Stop mounted hardware will need to be lowered to compensate for the height of the coordinator and mounting bracket.
- MB mounting brackets are made of aluminum

Product	Jamb Depth	Stop Width	Dimensions
MB1	4-3/4" Min.	Over 2-1/2"	4" W x 3" D x 15/16" T
MB2	4-3/4" Min.	Up to 2-1/2"	4" W x 3-1/4" D x 1-5/8" T

Finishes

Ives Finish	USP	SP28	SPBLK
BHMA	600	689	622

MB1F, MB2F and MB3F MB1V, MB2V and MB3V



MB1V

MB2V



MB3V

Fire Rated Mounting Brackets

- Allows for fire-rated stop mounted hardware to be properly installed without damaging the COR Coordinators, such as fire-rated surface vertical rod exit device strikes.
- Latch will need to be lowered to compensate for the height of the coordinator and mounting bracket.
- MB-V are designed for Von Duprin 8827-F soffit latch.
- Mounting brackets are made of steel.

Product	Jamb Depth	Stop Width	Dimensions
MB1F	5"	1-1/2" - 2-1/4"	4" W x 3" D x 1-5/8" T
MB1V	5"	1-1/2" - 2-1/4"	4" W x 3" D x 1-5/8" T
MB2F	5-7/8"	2-3/8" - 3-1/4"	4"W x 4" D x 1-5/8" T
MB2V	5-7/8"	2-3/8" - 3-1/4"	4"W x 4" D x 1-5/8" T
MB3F	6-7/8"	Over 3-3/8"	4"W x 3-1/2" D x 1" T
MB3V	6-7/8"	Over 3-3/8"	4"W x 3-1/2" D x 1" T

Finishes

Ives Finish	USP	SP28	SPBLK
BHMA	600	689	622

COR7G and COR9G



Meets ANSI/BHMA A156.3, Type 21.
UL Listed for Fire Doors.

Gravity Coordinators

- When active door is open, coordinator prevents active door from closing until inactive door bypasses. Closing of inactive door causes strike plate on top of door to contact cam and lift arm, allowing active door to close. As inactive door continues closing, roller rides over strike plate on to door bracket, holding arm above active door.
- Non-handed.
- Gravity action arm and door bracket are adjustable on the job for ease of installation. Rubber roller provides quiet and efficient operation, and helps protect the astragal and doors from damage.
- Nylon roller on short arm glides smoothly over door bracket and strike, ensuring silent operation.
- Made of forged brass.
- COR7G for use on pairs of doors with astragal on active door up to 4' or with astragal on inactive door up to 3'4" or with astragal on both doors up to 2'10"
- COR9G for use on pairs of doors with astragal on active over 4' or with astragal on inactive door over 3'4" or with astragal on both doors over 2'10"

Product	Projection
COR7G	7"
COR9G	9"

Finishes

Ives Finish	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626



Meets ANSI/BHMA A156.3, Type 21.

CB1 Carry Bar

- Used when it is possible for the inactive door to be opened before the active door.
- Prevents damage to the doors and other hardware.
- Nylon roller insures quiet and efficient operation.
- Non-handed.
- All-steel construction.
- Standard sex bolts for mounting.

Finishes

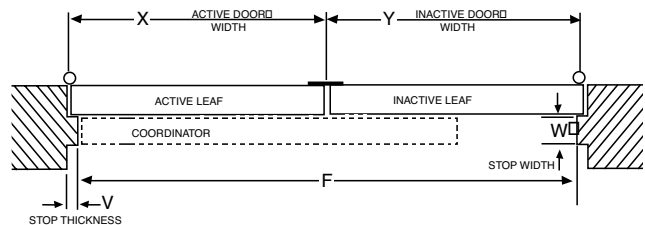
Ives Finish	US3	US4	US10	US10B	US26	US26D	SPBLK	USP
BHMA	605	606	612	613	625	626	622	600

How to Order COR and Accessories

	COR	52	US28	FL20	D	36"
COR Size: 32, 42, 52, 60, 72						
Finishes: US28, US26D, 315AN						
Filler Bar (if desired): FL20, FL32, FL44						
Vertical Rod Exit Device Cutout Type (if applicable): A, B, C, D, E, F, G If other Vertical Rod Exit Device not listed on chart, from page C16, include information as shown on page C16.						
Active Door Size – Required for ALL Vertical Rod Exit Device Applications						

To determine the size COR you need:

1. Start with the active door width (X).
2. Next consider the overall frame opening between stops (F).
3. Preferably, the coordinator would equal the active door width (X) + approximately 1/2 inactive door width (Y).
The coordinator must be 6" longer than the active door width (X) and less than the overall frame opening between stop (F).



Examples:

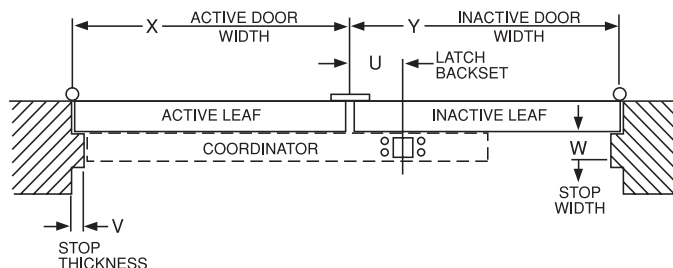
- Pair of 30" Doors, 5/8" Stops
Active Door Size, X = 30"
Overall Frame Opening between Stops, F = 58-3/4"
Recommended Coordinator: COR42
- 36" Active Door, 18" Inactive door, 5/8" Stops
Active Door Size, X = 36"
Overall Frame Opening between Stops, F = 52-3/4"
Recommended Coordinator: COR42
- Pair of 36" Doors, 5/8" Stops
Active Door Size, X = 36"
Overall Frame Opening between Stops, F = 70-3/4"
Recommended Coordinator: COR52
- 48" Active Door, 24" Inactive Door, 5/8" Stops
Active Door Size, X = 48"
Overall Frame Opening between Stops, F = 94-3/4"
Recommended Coordinator: COR60

Special Factory Preparation for Use with Vertical Rod Exit Devices

Coordinators may need to be prepared at the factory for use with some surface or concealed vertical rod exit devices.
(See Chart below)

If the exit device is not listed the following information is needed.

1. Exit Device Manufacturer and Model No.
2. Active Door Size, "X"
3. Inactive Door Size, "Y"
4. Exit Device Backset, "U"
5. Stop Width, "W"
6. Stop Thickness if other than 5/8", "V"



Exit Device Manufacturer	Exit Device Number	Device Backset	Maximum Active Door	Coordinator Size Needed	Coordinator Cutout Type	Mounting Bracket Needed
Von Duprin	5547-F	2-3/8"	33" 43" 51" 63"	42" 52" 60" 72"	Type A	None
Von Duprin	8827-F	2-3/4"	33" 43" 51" 63"	42" 52" 60" 72"	Type B	MB1V, MB2V or MB3V see page C3
Von Duprin	8847-F	2-3/8"	33" 43" 51" 63"	42" 52" 60" 72"	Type C	None
Von Duprin	33/3547 33/3547-F 98/9947 98/9947-F	2-3/4"	33" 43" 51" 64"	42" 52" 60" 72"	Type D	None
Von Duprin	33/3548 33/3548-F 98/9948 98/9948-F	2-3/4"	33" 43" 51" 64"	42" 52" 60" 72"	Type D	None
Von Duprin	33/3547WDC 33/3547WDC-F 98/9947WDC 98/9947WDC-F	1-5/16"	34" 44" 52" 65"	42" 52" 60" 72"	Type E	None
Falcon	17-C F-17-C 18-C F-18-C XX-C F-XX-C 24-C F-24-C 25-C F-25-C	2-3/4"	33" 43" 51" 63"	42" 52" 60" 72"	Type F	None
Falcon	17-C-WDC F-17-C-WDC 18-C-WDC F-18-C-WDC XX-C-WDC F-XX-C-WDC 24-C-WDC F-24-C-WDC 25-C-WDC F-25-C-WDC	2-13/16"	33" 43" 51" 63"	42" 52" 60" 72"	Type G	None



Surface mounted closer

1460 Series

Overview

Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.



Cylinder

1461-3071

Cast iron cylinder assembly

Handing

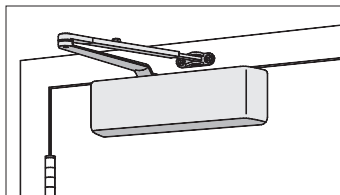
Non-handed

Sizing

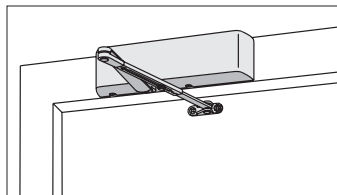
Adjustable spring size 1-6

Includes patented Green Dial

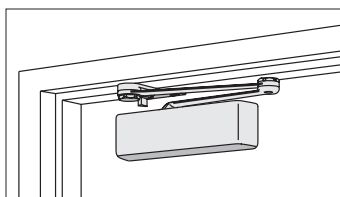
Mounting



Hinge (pull side)



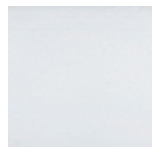
Top jamb (push side)



Parallel arm (push side)

Finishes

Powder coat finishes



689
Aluminum



690
Statuary Bronze



691
Light Bronze



693
Black



695
Dark Bronze



696
Brass

150+ additional custom colors available
using the RAL numbering system

Available finish options

MTLPC	Brite metallic: Custom powder coat finish, which resembles that of US26 or US26D plated finish.
SRI	For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.

Covers

Standard cover



1460-72
Slim line plastic cover
■ Non-handed

Optional covers



1460-72FC
Full plastic cover
■ Non-handed
■ Optional



1460-72DS
Designer series metal cover
■ Non-handed
■ Provides complete enclosure with a stylish look
■ Required for plating and custom powder coat option
■ Optional

Arms



1460-3077

Regular arm

- Non-handed
- Mounts hinge side or top jamb
- P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting



1460-3077L

Long arm

- Non-handed
- Includes LONG ROD AND SHOE, 1460-79LR for top jamb mount with deep reveals
- Optional



1460-3077HD

Heavy duty regular arm

- Non-handed
- Mounts hinge side, top jamb or parallel arm
- Optional



1460-3077HDL

Heavy duty long arm

- Non-handed
- Includes long rod and shoe, 1460-79LR for top jamb mounts with deep reveals
- Optional



1460-3049

Hold-open arm

- Non-handed
- Mounts hinge side, top jamb or parallel arm (62PA required)
- Hold-open adjustable at shoe
- Optional



1460-3049L

Long hold-open arm

- Non-handed
- Includes LONG HEAD AND TUBE, 1460-3048L for top jamb mount with deep reveals
- Optional



1460-3077EDA

Extra duty arm

- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1460-3077EDA/62G for blade stop clearance



1460-3077EDA/62G

Extra duty arm with 62G

- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations



1460-3049EDA

Hold-open extra duty arm

- Handed
- Provides hold-open function adjustable at shoe
- Optional



1460-3077CNS

Cush-n-Stop® Arm

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe
- Optional



1460-3049CNS

HCUSH Arm

- Non-handed
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function
- Optional



1460-3077SCNS

Spring CUSH arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional

Arms



1460-3049SHCNS

Spring HCUSH arm

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe. Handle controls hold-open function
- Optional

Installation accessories



1460-18 Plate

- Required for hinge side mount where top rail is less than 2-1/2" (64 mm)
- Required for top jamb mounting where head frame is less than 1-3/4" (44 mm) or flush ceiling condition exists
- Requires minimum 1-1/2" (38 mm) minimum top rail or 1-1/4" (32 mm) head frame
- With full cover, use plate 1460-18FC
- With Designer Series metal cover use plate 1460-18DS1



1460-18DS1 Plate

- Required for hinge side mount where top rail is less than 2-1/2" (64 mm)
- Required for top jamb mounting where head frame is less than 1-3/4" (44 mm) or flush ceiling condition exists
- Requires minimum 1-1/2" (38 mm) minimum top rail or 1-1/4" (32 mm) head frame
- For use with Designer Series metal cover
- Will not work in top jamb application



1460-18FC Plate

- Required for hinge side mount where top rail is less than 2-1/2" (64 mm)
- Required for top jamb mounting where head frame is less than 1-3/4" (44 mm) or flush ceiling condition exists
- Requires minimum 1-1/2" (38 mm) minimum top rail or 1-1/4" (32 mm) head frame
- For use with full cover
- With Designer Series metal cover, use plate 1460-18DS1
- Will not work in top jamb application



1460-18PA Plate

- Required for parallel arm mounting where top rail is less than 4-3/8" (111 mm), measured from the stop
- Requires 1-3/4" (44 mm) minimum top rail
- With full cover, use plate 1460-18PAFC
- With Designer Series metal cover, use plate 1460-18PADS1



1460-18PADS1 Plate

- Required for parallel arm mounting where top rail is less than 4-3/8" (111 mm), measured from the stop
- Requires 1-3/4" (44 mm) minimum top rail
- With full cover, use plate 1460-18PAFC
- For use with Designer Series metal cover



1460-18PAFC Plate

- Required for parallel arm mounting where top rail is less than 4-3/8" (111 mm), measured from the stop
- Requires 1-3/4" (44 mm) minimum top rail
- For use with full cover
- With Designer Series metal cover, use plate 1460-18PADS1



1460-30 Cush shoe support

- Provide anchorage for fifth screw used with CUSH arm where reveal is less than 3-1/16" (78 mm)



1460-30A Mounting bracket

- Bracket to be used when installing cylinder body
- Included with cylinder when ordered

Installation accessories



1460-61 Blade stop spacer

- Lowers parallel arm shoe to clear 1/2" (13 mm) blade stop



1460-62A Auxiliary shoe

- Requires a top rail of 7" (178 mm)
- Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop



1460-419 PA flush panel adapter

- Provides horizontal mounting surface for PA, EDA, or CUSH shoe on single rabbeted or flush frame



1460-62PA PA shoe

- Required for parallel arm mounting

Fasteners

Self-reaming and tapping screws included standard

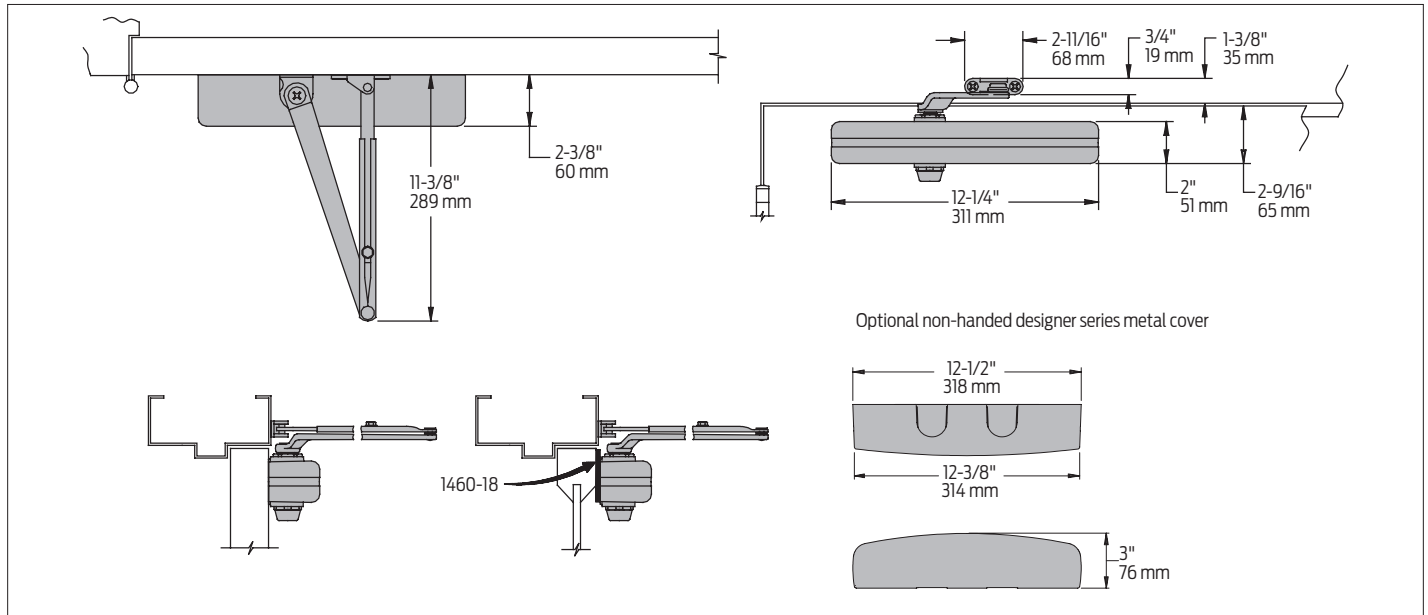
Fastener pack options

TBSRT	TB ¹ with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB ¹ , wood and machine screw
TORX	TORX machine screw
TBTORX	TB ¹ and TORX machine screw

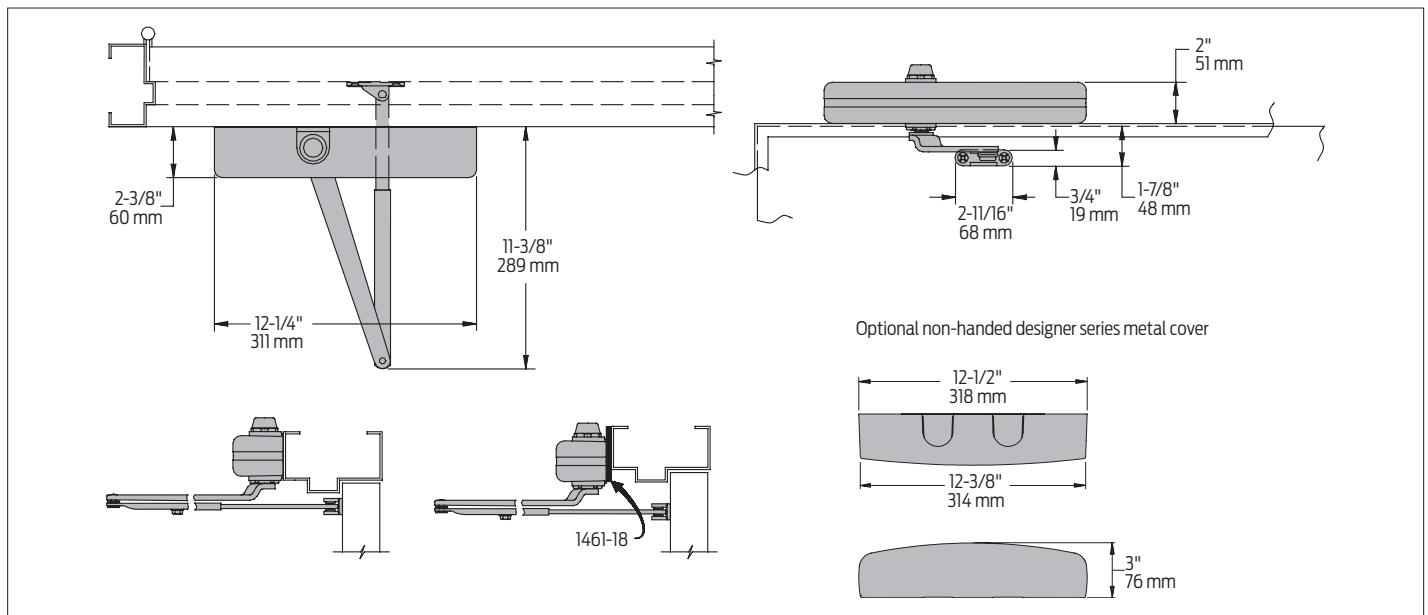
¹ Specify door thickness if other than 1-3/4"

Dimensions and mounting

Hinge (pull) side mounting

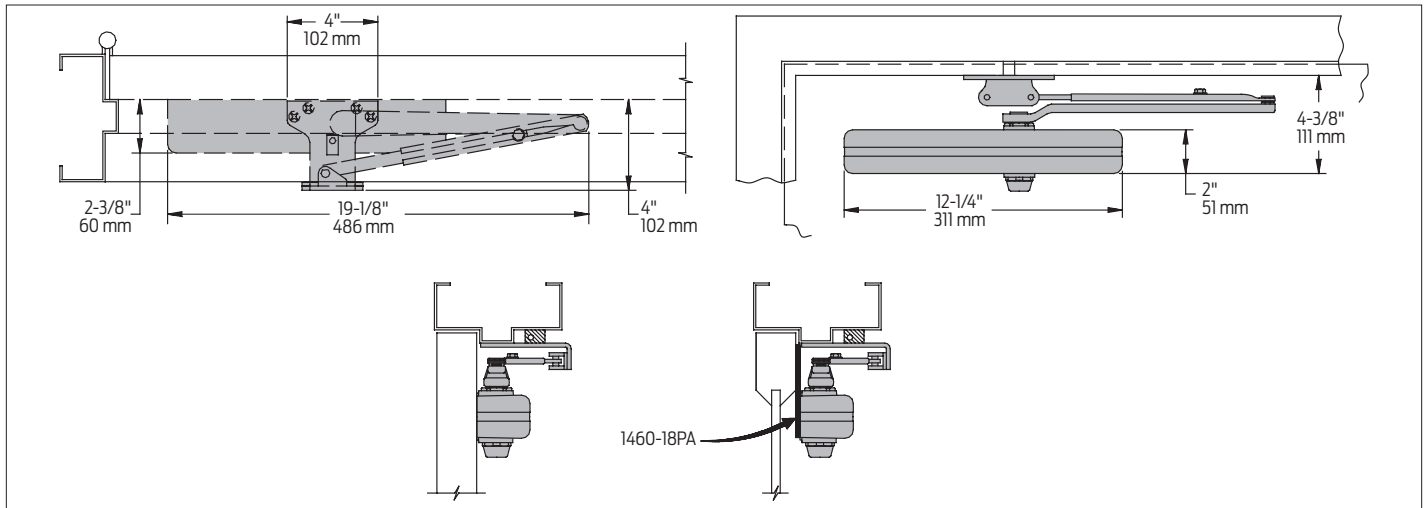


Top jamb (push side) mounting

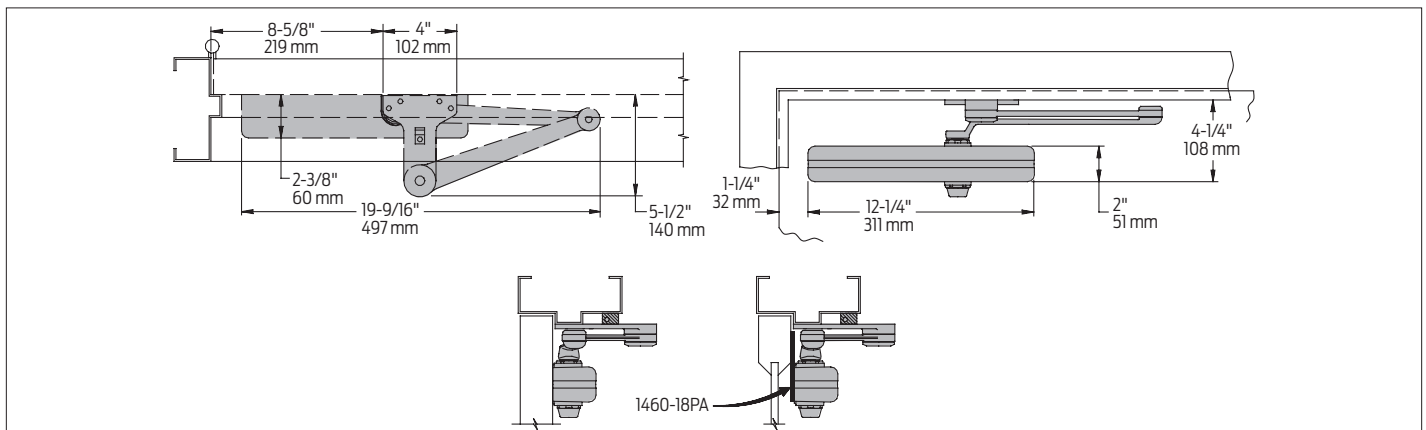


Dimensions and mounting

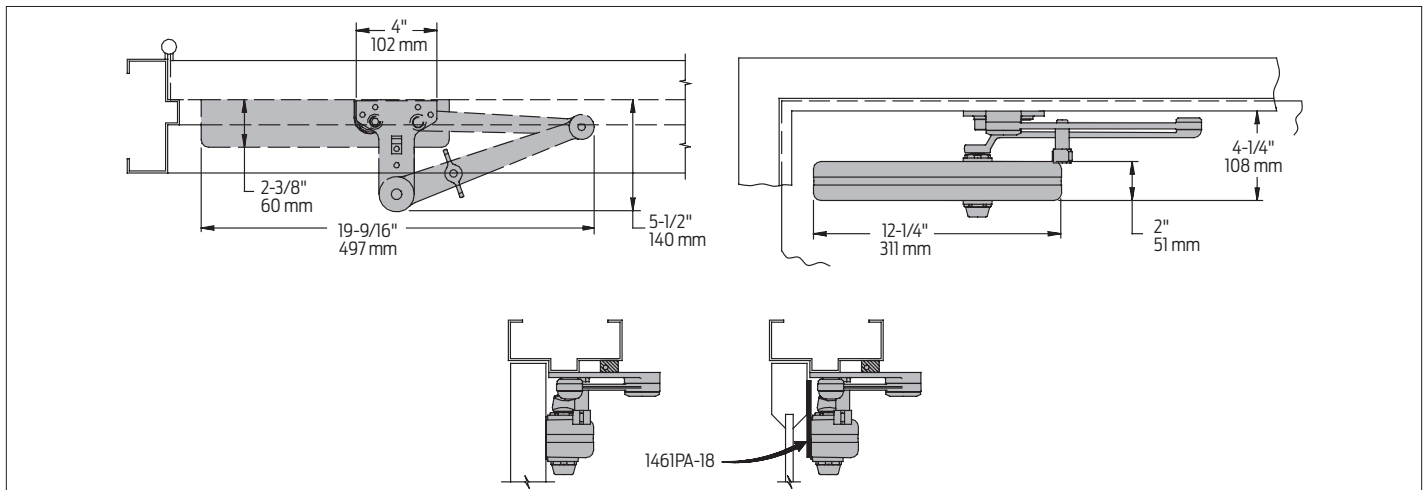
Parallel arm (push side) mounting



EDA mount



CUSH



Specifications

Accessibility	Available with less than 5.0 lbs. opening force on 36" door
Certifications/ approvals	<ul style="list-style-type: none"> Grade 1 - ANSI A156.4 UL 10C Meets BAA - Buy American Act
Degree of operation	<p>Hinge (pull) side</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Top jamb (push side) mount</p> <p>Max opening: 180°</p> <p>Hold open: 120°</p> <p>Parallel arm with 62PA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>EDA</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p> <p>Cush</p> <p>Max opening: 100°</p> <p>Hold open: 100°</p>
Environmental conditions	<ul style="list-style-type: none"> Approved for interior use Approved for exterior use (SRI coated only) LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C) LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.
Warranty	30 years
Standard features	<ul style="list-style-type: none"> Cast iron body Full complement bearing 1-1/4" diameter piston 5/8" diameter single heat treated pinion journal



Surface mounted closer

4040XP Series

Overview

The 4040XP Series is LCN's most popular door closer—and for good reason. This durable non-handed, surface-mounted heavy-duty closer, is designed for the most demanding high-use-and-abuse applications.

- ANSI/BHMA A156.4 Grade 1 rated
- Meets ADA reduced opening force requirements
- cUL listed and UL listed for self-closing doors without hold-open

The beauty of the 4040XP is that it goes way beyond the required standards. And in doing so, it has set the standard for reliability, longevity, and value.

- Stronger materials designed to go the distance.
- Proven production processes and technology, such as, forging steel and heat-treating certain components, that ensure a tougher, bolder construction.
- Abuse-cycle and temperature tests that mimics what door closers encounter in high-abuse environments.
- Well-marked adjustment valves and built-in preventative measures for adjusting too far and breaking the closer.
- 30-year limited warranty

Our relationship with you doesn't end at the sale. LCN supports you throughout the life of your facility with all your technical and application needs. Bottom line, the 4040XP is a closer you can count on that's built to last a lifetime—all while delivering remarkable value in a variety of applications.

Cylinder

4040XP-3071

Cast iron cylinder assembly

Handing

Non-handed

Sizing

Adjustable spring size 1–6, includes LCN Green Dial

Available cylinder options

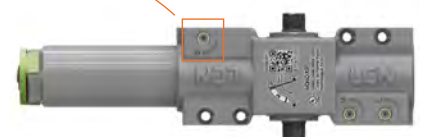
DEL	Delayed action cylinder
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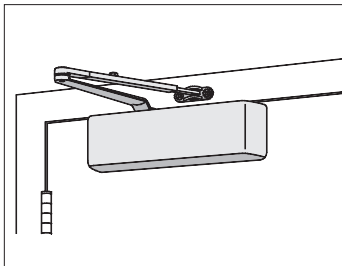
Adjustments

There are several design features that make installation or adjustment of the 4040XP easier and more intuitive.

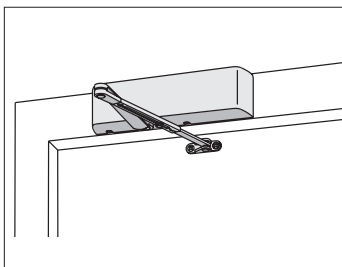
- **LCN Green Dial** provides a visual reference of the spring power setting, taking the guesswork out of spring power adjustments.
- **Additional adjustments** can be made to the back check, main, and latch regulation valves which are labeled for easy identification.
 - **Note:** Labels correspond to a diagram with door swing zones located on the closer body.
- **A patent-pending positive stop feature** on all regulation valves. The improved staking feature prevents the screw from being backed out and causing accidental damage to the product.
 - The patent-pending regulation valve indicators provide visual color indicators of how far a screw is backed out—the more visible the component, the faster the speed.
 - This makes adjustments simpler and more intuitive.
- **New QR code** that provides on-the-spot access to interactive installation and maintenance instructions and tech support.



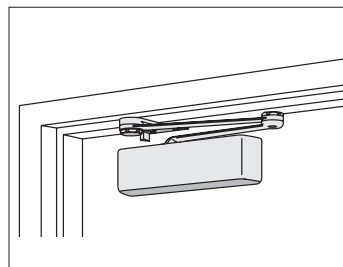
Mounting



Hinge (pull side)



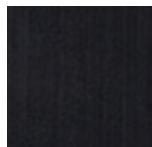
Top jamb (push side)



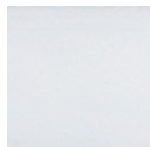
Parallel arm (push side)

Finishes

Powder coat finishes



622
Matte Black



689
Aluminum



690
Statuary Bronze



691
Light Bronze



693
Black



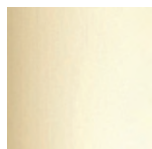
695
Dark Bronze



696
Brass

150+ additional
custom colors
available using the
RAL numbering
system

Metal plated finishes



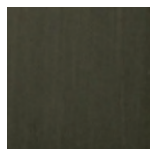
632
Bright Brass



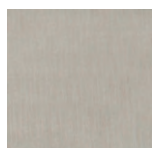
633
Satin Brass



639
Satin Bronze



616
Satin Bronze,
Blackened



646
Satin Nickel



651
Bright Chrome



652
Satin Chrome

Available finish options

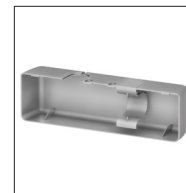
MTLPC	Brite metallic: Custom powder coat finish, which resembles that of 651 or 652 plated finish.
SRI	For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.

Covers

Standard cover



Front view



Back view

4040XP-72 plastic cover (PC)

- Non-handed
- Includes 4040XP-54 snap-on cover clip
- Redesigned snap-fit cover with improved patent-pending retention fit

Optional cover



4040XP-72MC metal cover (MC)

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

Arms



**4040XP-3077
Regular Arm (REGARM)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA shoe, 4040XP-62PA required for parallel arm mounting



**4040XP-3077L
Long Arm (LONG)**

- Non-handed
- Includes long rod and shoe, 4040XP-79LR for top jamb mount
- Optional



**4040XP-3077ELR
Extra Long Arm (XLONG)**

- Non-handed
- Includes extra long rod and shoe, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



**4040XP-3049
Hold Open Arm (H)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



**4040XP-3049L
Hold Open Long Arm (HLONG)**

- Non-handed
- Includes long head and tube, 4040XP-3048L for top jamb mount
- Optional



**4040XP-3077EDA
Extra Duty Arm (EDA)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



**4040XP-3049EDA
Hold Open Extra Duty Arm (HEDA)**

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold open function is adjusted at the shoe
- Optional



**4040XP-3077EDA/62G
Extra Duty Arm with 62G Thick Hub Shoe (EDAW62G)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



**4040XP-3049EDA/62G
Hold Open Extra Duty arm with 62G Thick Hub Shoe (HEDA62G)**

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance; hold open function is adjusted at the shoe
- Optional



**4040XP-3077CNS
Cush-n-Stop Arm (CUSH)**

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe.
- Optional



**4040XP-3049CNS
Hold Open Cush-n-Stop Arm (HCUSH)**

- Non-handed
- Hold open function with templated stop/hold open points
- Handle controls hold open function
- Optional



**4040XP-3077SCNS
Spring Cush-n-Stop Arm (SCUSH)**

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional

Arms



4040XP-3049SCNS Spring Hold Open Cush-n-Stop Arm (SHCUSH)

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold open function
- Optional

Installation accessories



**4040XP-18
Plate**

- Required for hinge side mount where top rail is less than 3 3/4" (95 mm)
- Requires minimum 2" (51 mm) minimum top rail



**4040XP-18G
Plate**

- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
- Requires 1 3/4" (44 mm) minimum head frame



**4040XP-18TJ
Plate**

- Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame



**4040XP-18PA
Plate**

- Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the stop
- Requires 2" (51 mm) minimum top rail



**4040XP-62PA
PA shoe**

- Required for parallel arm mounting



**4040XP-30
CUSH shoe support**

- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3 1/16" (78 mm)
- Optional



**4040XP-61
Blade stop spacer**

- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop
- Optional



**4040XP-419
PA flush panel adapter**

- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame
- Optional

Installation accessories



- 4040XP-62A**
Auxiliary shoe
- Requires a top rail of 7" (178 mm)
 - Shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
 - Optional



- 4040XP-54**
Snap-on cover clip
- Used to secure 4040XP-72 plastic cover to cylinder body

Fasteners

Self-reaming and tapping screws included standard

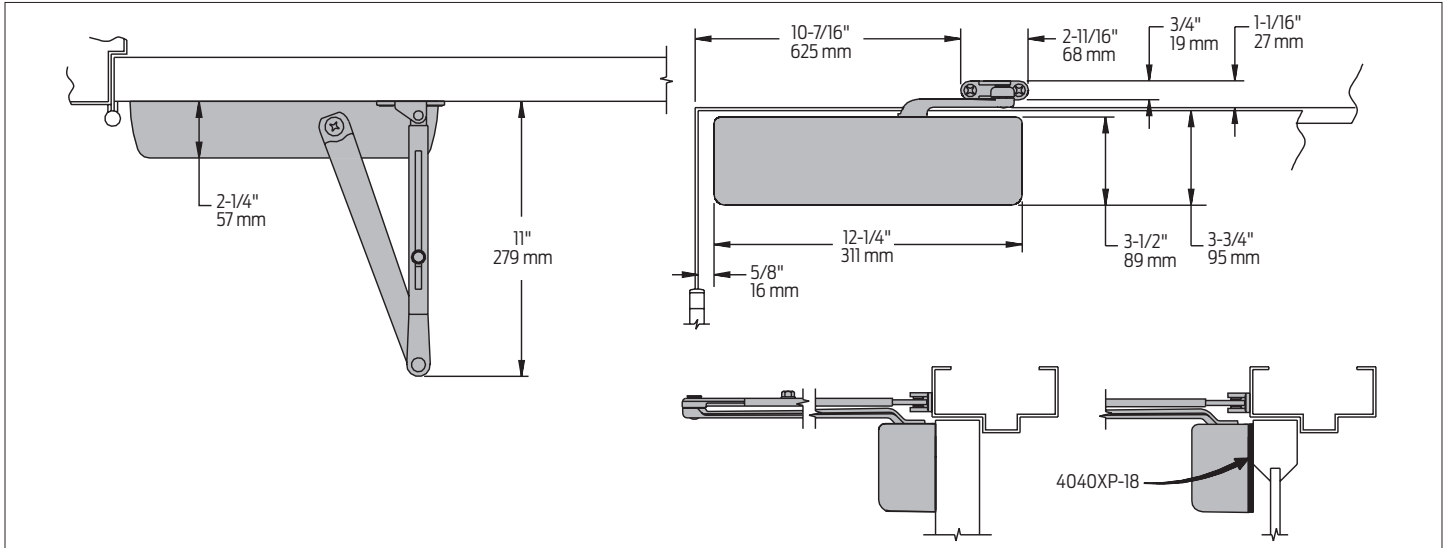
Fastener pack options

TBSRT	TB ¹ with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB ¹ , wood and machine screw
TORX	TORX machine screw
TBTRX	TB ¹ and TORX machine screw

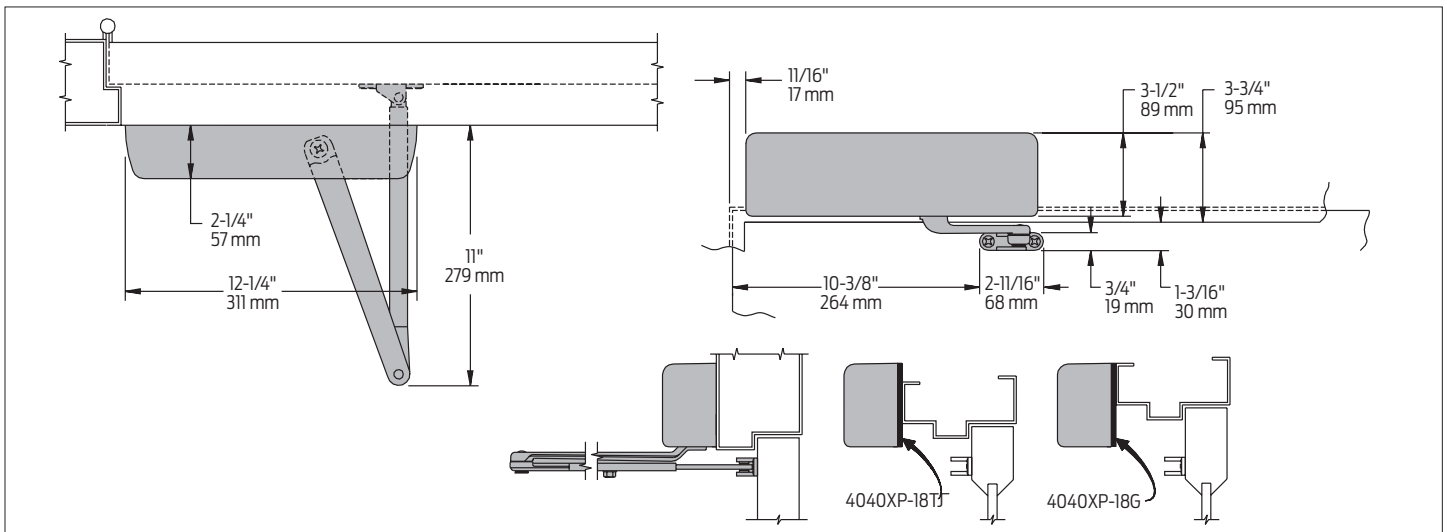
¹Specify door thickness if other than 1 3/4"

Dimensions and mounting

Hinge (pull) side mounting

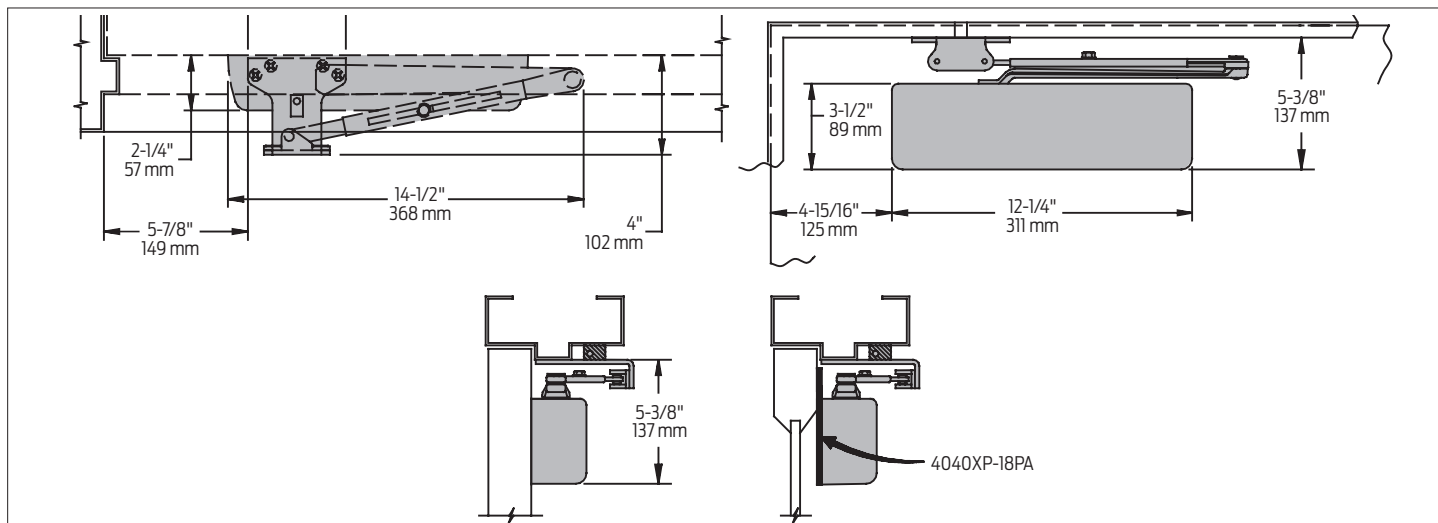


Top jamb (push side) mounting

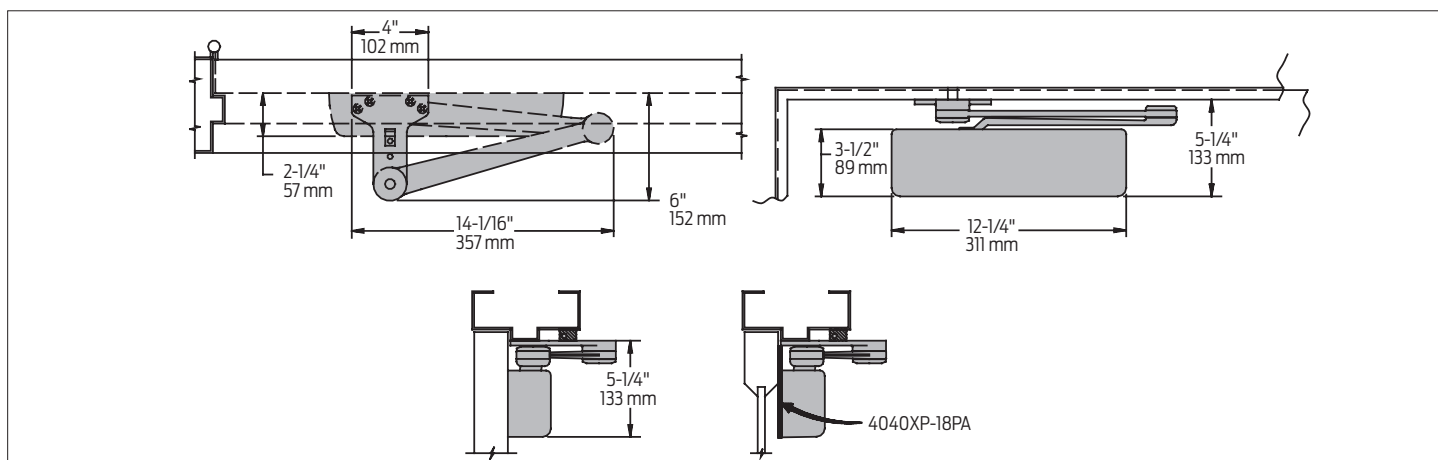


Dimensions and mounting

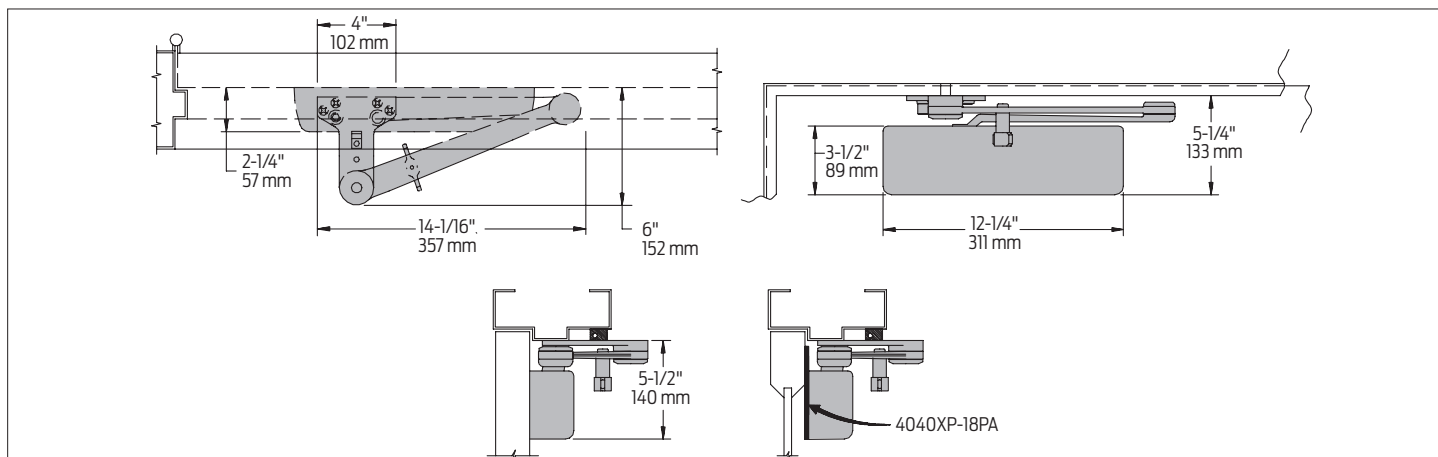
Parallel arm (push side) mounting



EDA mount



CUSH mount



Specifications

Accessibility	Available with less than 5.0 lbs. opening force on 36" door
Certifications/ approvals	<ul style="list-style-type: none"> Grade 1 – ANSI A156.4 UL 10C Meets BAA – Buy American Act
Degree of operation	<p>Hinge (pull) side</p> <p>Max opening: 120°</p> <p>Hold open: 90–120°</p> <p>Top jamb (push side) mount</p> <p>Max opening: 120°</p> <p>Hold open: 85–120°</p> <p>Parallel arm with 62PA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>EDA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Cush and spring cush</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p>
Environmental conditions	<ul style="list-style-type: none"> Approved for interior use Approved for exterior use (SRI coated only) LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C) LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.
Warranty	30 years
Standard features	<p>Quality and durability</p> <ul style="list-style-type: none"> Cast iron cylinder for rugged performance Single-piece, heat-treated forged steel arms to withstand greater forces Heat-treated 1 1/2" diameter piston for extra hardness and strength Double heat-treated steel pinion 11/16" journal diameter for greater wear-resistance

Standard features

- Full complement bearings with minimum 0.5" height to help withstand abuse
- All-weather Liquid X fluid for consistent performance through every season
- Non-PRV (pressure relief valve) design to minimize risk of property damage, injury, increased maintenance, and liability exposure
- Snap-on cover with patent-pending retention improvement to protect the products
- Powder coat finish that lasts longer than spray lacquer
- 30-year warranty

Ease of installation and adjustment

- Tight tolerances in manufacturing for accuracy and precision
- LCN Green Dial to take the guesswork out of spring force adjustments
- Peel-n-stick template for quick and accurate installation
- Patent-pending positive stop to prevent the screw from being backed out
- Patent-pending regulation valve indicators for visual color indicators
- Independent speed adjustments for greater door control
- Graphic visuals and indicators to make adjustments faster, easier, and consistent
- QR code for on-the-spot access to interactive instructions and tech support

Flexibility

- Universal non-handed design
- Full ranges of mounts
- Adjustable spring sizes 1–6

8400 Series Protection Plates

- Door protection plates are available in .050" thick brass, stainless steel or aluminum; and 1/8" thick high impact polyethylene in clear or black.
- Bevel edge options; specify B4E for all four edges.
- Mounting screw pack furnished standard, 16 screws per pack. Optional screw packs are available for TEK or TORK screw heads. Refer to the following chart for ordering.
- Specify NMH for no mounting holes. (Not available on 8402)
- Specify NMH-A for no mounting holes with adhesive. (Not available on 8402)
- Specify CS for counter sunk mounting holes.
- Specify ERS prepped with extra row of screws.

Kickplate Gasket Tape Tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation. One tape pack will cover an the perimeters of a 8" x 34" kickplate. Order 8401 Gasket Tape.



8400 Protection Plate
8402 (UL)* Protection Plate

**UL mark appears in upper right corner. Factory supplied screws must be used.*
Number of screw packs required by plate size (specify TEK Screws or TORK screws).

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

Finishes brass 24" x 48" max. size

US Number	US3	US4	US10	US10B	US15	US26	US26D
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

US Number	US32	US32D
BHMA	629	630

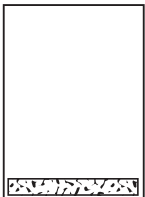


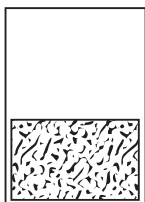
Finishes aluminum

US Number	US28
BHMA	628

Finishes plastic

Clear and Black

Residential Grade Kickplates available Carded only, finishes PA28, PA3, PA619, PA716, B3, B505, B619, B716

A Hinges & Pivots		Mop Plates <ul style="list-style-type: none"> • Protect the bottom of the pull side of door subject to cleaning and mopping procedures. • Size Ranges: 4" to 6" high, 22" to 48" wide
B18 Pulls & Plates		Kick Plates <ul style="list-style-type: none"> • Protect the bottom of the push side of doors subject to scuffing from foot traffic. • Recommended for all doors subject to normal use (especially doors using a closer). • Size Ranges: 8" to 24" high, 22" to 48" wide
C Flush Bolts & Coordinators		Stretcher Plates <ul style="list-style-type: none"> • Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment. • Usually applied to push side of doors. • Specify "B4E" Option for beveled edges. • Size Ranges: 6" to 8" high, 22" to 48" wide
D Latches, Catches & Bolts		Armor Plates <ul style="list-style-type: none"> • Protect lower half of doors from abuse by hard carts, trucks and rough usage. • Usually applied to push side of single doors and both sides of double acting doors. • Size Ranges: 26" to 48" high, 22" to 48" wide
E Stops		
F Exterior Hardware		
G Miscellaneous Hardware		



WS406CVX Wall Bumpers

WS406CCV

WS407CVX

WS407CCV

WS406CVX & WS407CVX
Meets ANSI/BHMA 156.16 L22201 for brass,
and L52101 for stainless steel.

WS406CCV & WS407CCV
Meets ANSI/BHMA 156.16 L22251 for brass
and L52251 for stainless steel.

- Constructed in sturdy yet economical wrought base of brass or stainless steel construction.
- Feature concealed tamper-proof mounting.
- Shipped factory preassembled backplate to reduce installation cost.
- Easy installation by inserting screwdriver through small hole in rubber.

WS406CVX (406) – convex rubber bumper, packed with wood screw and plastic anchor.

WS406CCV (406-1/2) – concave rubber bumper, which avoids damage to locks with projecting buttons, packed with wood screw and plastic anchor.

WS407CVX (407) – convex rubber bumper packed with screw and drywall anchor.

WS407CCV (407-1/2) – concave rubber bumper which avoids damage to locks with projecting buttons and is packed with screw and drywall anchor.

Dimensions

Base Diameter: 2-1/2"

Base Thickness: 3/8"

Overall Projection: 1"

Finishes *brass*

Ives Number	US3	US4	US5*	US10	US10B	US15	US15A**	US26	US26D	B716**
BHMA	605	606	609*	612	613	619	620	625	626	

Finishes *stainless steel*

Ives Number	US32D
BHMA	630

* only available on WS407CVX Slim-Pak of 15

** available on WS407CCV or WS407CVX Slim-Pak of 15



Meets ANSI/BHMA 156.6, L12141.

FS13 Dome Stop

- Standard FS13 for use where no threshold is used.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Unique riser design of R14 (below) allows easy conversion to threshold application.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Replaceable grey rubber bumper.

Dimensions

Overall Height: 1"

Base Height: 5/32"

Base Diameter: 1-3/4"

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626

R14 Dome Stop Rise

- Adapts the FS13 Dome Stop to threshold use.
- Brass Die Cast Construction.

Dimensions

Riser Height: 5/16"

Base Diameter: 1-3/4" round

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626



Meets ANSI/BHMA 156.6, L12161.

FS17 Dome Stop

- One piece dome stop for use with thresholds.
- Heavy-Duty Cast Dome Stops constructed of brass.
- Units are packed with fasteners sufficient for mounting in all types of floor construction, including concrete.
- Replaceable grey rubber bumper.

Dimensions

Overall Height: 1-11/32"

Base Height: 1/2"

Base Diameter: 1-3/4" round

Finishes

Ives Number	US3	US4	US10	US10B	US26	US26D
BHMA	605	606	612	613	625	626



2720 Tobey Drive, Indianapolis, IN 46219
Tel 1-877-671-7011 ■ Fax 800-851-0000
Zero.Customer.Support@allegion.com
www.zerointernational.com

Part No:

488FS

Part description:

Self-adhesive weatherstripping

Notes:

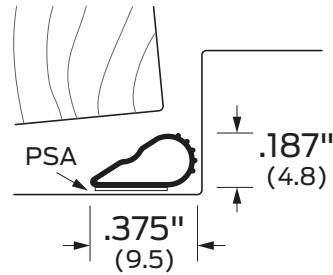
Provided by:

Customer name:

Job no:

Date:

Image may not be shown to scale



Notes:

Intumescent rubber for fire and smoke protection.
PSA standard.

Certifications:



Fire rated-UL10c



Smoke and draft control

ANSI/BHMA:

488FS

ROU154

Finishes:

BK Black

Options:

ZAG Ligature resistant gasketing





Meets ANSI/BHMA 156.16, L03011.



Meets ANSI/BHMA 156.16, L03021



SR64 Door Silencer

- For use on metal frames featuring pneumatic design that, once installed, forms an air pocket to absorb shock and reduce noise of door closing.
- Tamper-proof once installed on the frame.
- Proper installation also eliminates door rattle and provides constant tension for door latches or locks.

Packed in bags of 100.

Grey Available in bulk pack of 2500.

Each bag has an installation tool included.

Dimensions

Diameter: 1/2"

Thickness: 1/8"

Finishes

GRY, TAN

SR65 Door Silencer

- For use on wood frames, also feature pneumatic design to cushion shock and absorb noise.
- To prevent removal, a small brad should be driven into stop strip and through stem of silencer, as shown in the detail.

Packed in bags of 100.

Dimensions

Height: 3/4"

Diameter: 3/8"

Thickness: 1/8"

Finishes

GRY

SR66 Door Silencer

- Self Adhesive Rubber Silencers.
- Economical installation requires no drilling of frames.

Packed two sheets of 50 (100 minimum).

Dimensions

Diameter: 1/2"

Thickness: 1/8"

Finishes

BRN, GRY, WHT

A
Hinges & Pivots

B
Pulls & Plates

C
Flush Bolts & Coordinators

D
Latches, Catches & Bolts

E23
Stops

F
Exterior Hardware

G
Miscellaneous Hardware

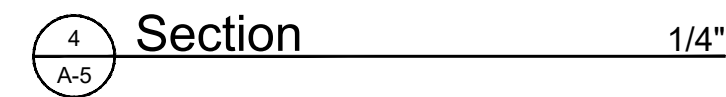
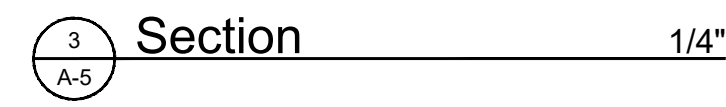
115658 X-105150

V1 7/9/2024 vs. V1 7/9/2024

Revised by FA 01/02/25

Door#	HwSet#
101	01
102	01
103	08
104	01
105	08
106	03
107	05
108	05
109	09
110	05
111	13
112	14
113	14
114	08
115	02
116	11
117	02
118	12
119	12
120	02
121	08
122	02
123	14
124	14
125	13
126	13
127	13
128	13
129	08
130	05
131	06
132	10
133	07
134	08
135	14
136	14
137	02
138	03
139	01
140	14
141	13
143	14

Door#	HwSet#
144	08
146	05
147	14
201	05
202	08
203	05
204	08
205	14
206	05
207	08
208	05
210	06
211	08
212	14
213	08
214	10
215	08
216	11
217	12
218	12
219	05
220	14
221	13
222	13
223	02
224	08
225	12
226	12
227	12
228	14
229	04
230	04
231	08



DESIGN

Product Type:

Construction:

Surface Texture:

Gauge:

Stitches Per Inch:

Dye Method:

Backing Material:

Fiber Type:

Tufted Face Weight:

Size:

Soil Release Technology:

SUSTAINABILITY

IAQ Green Label Plus:

Pre-Consumer Recycled Content:

NSF 140:

Declare Label:

PERFORMANCE

Static:

Flammability:

Smoke Density:

SERVICE

Warranties: