LOCKS / DOORS / DOOR HARDWARE REPLACEMENT - WPS
SPECIFICATIONS & REQUIREMENTS

The City of Worcester is soliciting bids on behalf of Worcester Public Schools (WPS) for a project involving the integration of various safety features across their facilities. This includes the installation of 647 safety locks, 128 crash bars with locks, 71 classroom/office doors, and 28 exterior doors. The project's primary objective is to upgrade the doors and door hardware at Worcester Public School, encompassing multiple school locations and to standardize products system wide.

The quantities listed are the quantities planned and bidders shall provide a total lump sum price for all items and installation services required herein.

SPECIFICATIONS

INTERIOR DOORS AND HARDWARE REPLACEMENT AT MULTIPLE SCHOOL BUILDINGS

PART 1 – GENERAL
1.1 Summary

Replace specified hardware on identified doors at the following sites:

Initial Five Schools

       Chandler Elementary Community School, *114 Chandler Street, Worcester, MA. 01609*
           17 New SAFEBOLT (or approved equivalent) Locks &
           Levers (sized accordingly)
           11 New Privacy Function Lever
           20 New Lockable Rim Exit Device

       Chandler Magnet School, *525 Chandler Street, Worcester, MA.01602*
           70 New SAFEBOLT (or approved equivalent) Locks &
           Levers (sized accordingly)
           11 New Privacy Function Lever
           24 New Lockable Rim Exit Device

       Elm Park Community School, *23 North Ashland, Worcester, MA. 01609*
           56 New SAFEBOLT (or approved equivalent) Locks &
           Levers (sized accordingly)
           36 New Privacy Function Lever
           16 New Lockable Rim Exit Device
           42 New Solid Wood Interior Door

       Francis J McGrath Elementary School, *493 Grove Street, Worcester, MA. 01605*
           17 New SAFEBOLT (or approved equivalent) Locks &
           Levers (sized accordingly)
           14 New Privacy Function Lever
           14 New Lockable Rim Exit Device

       Union Hill School, *1 Chapin Street, Worcester, MA. 01604*
           61 New SAFEBOLT (or approved equivalent) Locks &
           Levers (sized accordingly)
           13 New Privacy Function Lever
            2 New Lockable Rim Exit Device

Remaining Schools

Burncoat Street Preparatory School, *526 Burncoat Street, Worcester, MA. 01606*
29 New SAFEBOLT (or approved equivalent) Lock &
Lever (sized accordingly)
2 New FRP Exterior Door w/ crash bars and locks
2 New FRP Exterior Door w/ crash bars and locks, with electric strike

City View Discovery School, *80 Prospect Street, Worcester, MA. 01605*
48 New SAFEBOLT (or approved equivalent) Locks & Levers (sized accordingly)
5 New Privacy Function Lever
6 New Lockable Rim Exit Device
4 New FRP Exterior Door w/ crash bars and locks

Flagg Street School, *115 Flagg Street, Worcester, MA. 01602*
34 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
6 New Privacy Function Lever
4 New Lockable Rim Exit Device

Goddard School of Science & Technology, *14 Richards Street, Worcester, MA. 01603*
83 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
11 New Privacy Function Lever
41 New Lockable Rim Exit Device

Grafton Street School, *311 Grafton Street, Worcester, MA. 01604*
53 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
9 New Privacy Function Lever
3 New Lockable Rim Exit Device
2 New Solid Wood Interior Door

Head Start – Millbury Street,
23 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
1 New Privacy Function Lever
New Lockable Rim Exit Device
2 New Solid Wood Interior Door
12 New FRP Exterior Door w/ crash bar with locks
1 New FRP Exterior Door w/ crash bar with locks, with electric strike

Lake View School, *133 Coburn Avenue, Worcester, MA. 01604*
23 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
6 New Privacy Function Lever
2 New Solid Wood Interior Door

May Street School, *265 May Street, Worcester, MA. 01602*
44 New SAFEBOLT (or approved equivalent) Locks &
Levers (sized accordingly)
3 New Privacy Function Lever
5 New Lockable Rim Exit Device
2 New Solid Wood Interior Door

Tatnuck Magnet School, *1083 Pleasant Street, Worcester, MA. 01602*
  59 New SAFEBOLT (or approved equivalent) Locks &
    Levers (sized accordingly)
    2 New Privacy Function Lever

Thorndyke Road School, *30 Thorndyke Road, Worcester, MA. 01606*
  40 New SAFEBOLT (or approved equivalent) Locks &
    Levers (sized accordingly)
    5 New Privacy Function Lever
    1 New Solid Wood Interior Door

University Park Campus School, *12 Freeland Street, Worcester, MA. 01603*
  34 New SAFEBOLT (or approved equivalent) Locks &
    Levers (sized accordingly)
    1 New Privacy Function Lever
    1 New Solid Wood Interior Door
    3 New FRP Exterior Door, w/ crash bar with locks
    1 New FRP Exterior Door, w/ crash bar with locks and electric strike

Vernon Hill School, *211 Providence Street, Worcester, MA. 01607*
  81 New SAFEBOLT (or approved equivalent) Locks &
  Levers (sized accordingly)
    8 New Privacy Function Lever
  29 New Lockable Rim Exit Device
  12 New FRP Exterior Door w/ crash bars and locks
    2 New FRP Exterior Door, w/ crash bar with locks and electric strike

1.2.1   ACTION SUBMITTALS

Permits: Installer responsible for acquiring and payment for all required permitting.

Mandatory Pre-Bid Conference: A Mandatory Pre-Bid walk-through will be held on *May 15, 2024, at 3:00 PM*. The Pre-Bid Conference will begin at Chandler Magnet School, 525 Chandler Street Worcester, MA. 01602 and then proceed to three other schools: May Street School, 275 May Street Worcester, MA 01602, Elm Park Community Elementary School, 23 N. Ashland Street Worcester, MA 01609, and Head Start-Millbury Street, 389 Millbury Street Worcester, MA 01610. The walk-through will last as long as it takes to visit all four schools and should not exceed more than 3 hours.

All Bidders or their representatives are to meet at the site in the front office and document attendance on the conference "sign-in" sheet. Attendees and District Representatives will inspect the site. Questions will not be entertained at the site. Questions must be submitted via email to the City's Purchasing Department contact as noted elsewhere in these specifications. ***Bids will be accepted and evaluated only from those bidders that have signed in and are present at the walk-thru for all sites. Failure to attend the pre-bid conference shall be cause for disqualification and rejection of bid.***

Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, handing, function, and finish of door hardware.

Existing Access Control Doors with Electric Strikes: Electric strike to be removed if necessary for new Rim Panic Device to be installed. New Panic Device to include electrified latch retraction and request to exit switch in the device.

Keying Schedule:
Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents.

INFORMATIONAL SUBMITTALS
Product Certificates: for electrified door hardware, from the manufacturer, with specific hardware identified. Certify that door hardware approved for use on types and sizes of labeled fire- rated doors complies with listed fire-rated door assemblies.

CLOSEOUT SUBMITTALS

Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule, Quick Key Index, Floor plan with Key Marks, delivered on flash drive.

QUALITY ASSURANCE

Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers.

Source Limitations: Obtain each type of door hardware within each category (SafeBolts, privacy locks, lockable rim exits devices, interior solid wood doors, exterior FRP doors) from a single manufacturer. For example, all SafeBolts or approved equal, across all buildings, shall be furnished by the same manufacturer. Because of the differing applications of each style lock/hardware category, different manufacturers will be expected and is allowable.

Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

Keying Conference: Key conference to be scheduled to create and review key system. Deliver keys upon completion of the project.

DELIVERY, STORAGE AND HANDLING

Inventory door hardware on site and provided in a secured room allocated by the owner.

Tag each item or package with identification coordinated with door and hardware schedule and floor plan

COORDINATION

Installation Templates: Distribute doors, frames, and other work specified to be factory-prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated and existing requirements.

Electrical System Rough-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.

WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

Warranty Period:	One year from the date of Substantial Completion, unless otherwise indicated.
Exit Mechanical Devices:	Five years from date of Substantial Completion.
Exit Electro-Mechanical Devices	Three years from date of Substantial Completion
Locksets:	Seven years from date of Substantial Completion

MAINTENANCE & SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 – PRODUCTS

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PRODUCT DATA

Interior Locks:
a. SafeBolt Instant Button Activated Lockdown Locks - or approved equivalent
b. Corbin Russwin/ASSA Abloy Armstrong (CL3110-AZD - straight handle) Passage Door Lever Set or approved equivalent.
c. Wrap Around Plate for Cylindrical lock for 1 3⁄4" door or approved equivalent – field measurement required for assurance
d. Locks with interchangeable cores as described in "Cores/Keys"
e. Finish - Stainless steel, nickel silver, or Satin chrome.

Interior Locks:
a. Corbin Russwin/ASSA Abloy Armstrong (CL3120-AZD - straight handle) Privacy Door Lever Set or approved equivalent.
b. Wrap Around Plate for Cylindrical lock for 1 3⁄4" door– field measurement required for assurance
c. Locks with interchangeable cores as described in "Cores/Keys"
d. Finish - Stainless steel, nickel silver, or Satin chrome.

Interior Crash bars:
a. Von Duprin 98/99 or approved equivalent.
b. Allegion Double cylinder with security indicator (-2SI) with XB11-979 and XB13-379 (thumb turns) or approved equivalent
c. Surface-mounted vertical rods or rim devices where applicable
d. Locks with interchangeable cores as described in "Cores/Keys"
e. Finish - Stainless steel, nickel silver, or Satin chrome.

Exterior Crash bars:
a. Von Duprin 98/99 or approved equivalent.
b. Surface-mounted vertical rods or rim devices where applicable
c. Locks with interchangeable cores as described in "Cores/Keys

Exterior Door w/ Electric Strikes
a. Electric strikes for Rim crash bars - HES 9600 or HES 9400 or approved equivalent.
b. Electric locks - Schlage ND96 series or approved equivalent.

Interior Doors:
a. Any manufacturer
b. Measurements: Contractor required to field measure all doors for dimensions and hardware selection accuracy.
c. Glass Measurements: 6" wide X 26" long; fire-rated
d. Standard New Hardware: hinges, strikes, door stop (application specific)
e. Color: stained to match existing doors and trim·
f. Door Construction - 3 ply or 5 ply Construction – meets or exceeds industry standards of WDMA 1.S.1
g. Door Thickness - 1-3/4" Standard
h. Door Cores – 28-30 lb particle board – Meets or exceeds requirements of ANSI A208.1 and CS236-66
i. Door Undercut – ¾" Standard
j. Door Sizes – Widths to 4'0" – Heights to 8'0"
k. Standard Preps – Lite Cutout, Cylindrical Locks (to meet SafeBolt and Privacy Locks reference in the specifications) w/ cutout for latch bolt
l. Fire-Rating – Non-fire rated (Optional 20-minute Fire labeled and fire glass)

       m. Vision Lite Frame Construction – 20 or 18 gauge steel
       n. Vision Lite Frame Brands – Air Louvers, National Guard, Rockwood or approved equivalent
       o. Vision Lite Frame Finish – Bronze, Gray, Black or Primed Gray
       p. Glass Types – 1/4" Clear Tempered, ¼" Fire-Rated Wire, 3/16" Fire-rated Pyran Platinum F
       q. Mfg Hinge/Lock Locations – Steelcraft, Timely, Western Integrated, or custom locations as required.

Exterior Doors:
       a. Commercial-grade Fiber-reinforced panel doors - any manufacturer
       b. Glass Measurements: 6" W x 26" H
       c. Hinges: continuous hinge mounted to the existing frame, existing trim and frame to remain
       d. Measurements: Contractor required to field measure all doors for dimensions and hardware selection accuracy.
       e. Color: selected by owner
       f. Door Thickness - 1-3/4" thickness.
       g. Door Construction - Face sheets are commercial quality 1/8" in thickness. Door faces and vertical edges are flush with no visible seams. Face sheets are totally supported by polyurethane adhesive. High Density polyethylene blocking to be located at each hardware location, pre-drilled pilot holes. Doors are Seamless in design.
       h. Core Construction - Density of foam core exceeds 2 pcf and has a crush strength of 3600 psf.
       i. Warranty - Doors have a full lifetime warranty.
       j. Hinges - Hinge edges are prepared for full height piano-style hinges.
       k. Locks - Lock edge has a standard bevel and is prepared for specified hardware.
       l. Door Closer - Closer reinforcement to be pultruded FRP blocking.
       m. Finish: - Doors are supplied with one coat of factory primer or two-part polyurethane enamel finish coating from a selection of standard colors or custom colors as specified

Cores/Keys:
       a. Keyed-alike with interchangeable cores
       b. Corbin Pyramid Core Satin Chrome or approved equivalent.
       c. Owner to provide a key schedule, each building will have a separate key schedule

SCHEDULED DOOR HARDWARE

Provide door hardware for each door as scheduled in the Door Hardware Schedule to comply with requirements in this Section.

Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products equivalent in function and comparable in quality to named products by other listed manufacturers.
Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

MECHANICAL LOCKS AND LATCHES

General: Provide lock functions as indicated in the door hardware schedule.

Verify all Lock Functions with the owner before ordering. Ordering incorrect lockset function without verification will result in furnishing new locksets at no cost to the owner.

KEYING

- Furnish all items specified, scheduled, shown or required herein
- Conduct and furnish itemized site Survey
- Conduct and furnish Key System Plan
- Furnish Key System Schedule
- Furnish Key System Schematic
- Conduct and Furnish Key Meetings and Provide all Documentation

PART 3 - EXECUTION

INSTALLATION

Examination: Examine doors and frames, before ordering and installation for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. A measurement of the individual locations in each building will provide the necessary information to develop the door, materials, and hardware schedule. The awarded vendor shall provide a door and hardware schedule to the owner for approval.

Field Verify all openings for existing conditions and provide all materials and workmanship to convert existing doors and hardware to hardware as indicated in the hardware schedule.

Contractor required to field measure all doors for hardware selection accuracy.

Kick off meeting required to discuss project specifics and schedule ahead of start of work.

Product submittals shall be sent to the owner for approval prior to ordering.

All existing hardware and doors to be removed and disposed of by the contractor.

All work on the first five schools (and any additional schools if the awarded bidder finishes early) to be performed after school hours (typically 3:00 pm-10:00 pm) Monday-Friday, unless otherwise approved in advance in writing by the owner. The remainder of the work, after June 30, 2024, can be completed between the hours of 7:00 am - 3:00 pm.

The contractor is required to supply 4 keys per lock, clearly tagged.

The contractor is to verify the completed operations of all hardware and doors with the owner present.

The contractor is required to clean up after themselves and remove their trash daily.

The contractor is not to put any trash in Worcester Public Schools' dumpsters.

W.P.S. will provide a set of floor plans identifying doors to be addressed to the contractor that has been awarded this project.

The project may commence upon contract execution and issuance of a notice to proceed by WPS.

The initial five schools—Chandler Magnet, Chandler Elementary, Elm Park, Francis J. McGrath, and Union Hill—are required to be finished by June 30, 2024, while the rest of the schools must be completed by August 23, 2024.

CL3100 Series

Product Catalog

Experience a safer
and more open world

Overview

Corbin Russwin®
ASSA ABLOY

CL3100 Series

Table of Contents

www.corbinrusswin.com

Quality

The CL3100 series is a Grade 1 lever lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes, the CL3100 series subtly complements any high-use commercial, industrial and institutional application.

T-Zone Construction

Direct linkage with fixed alignment between the hub and the latchbolt is the best construction for quietly and effectively operating the latchbolt. For this reason, Corbin Russwin interlocks the aligning and latch tubes, which form a rugged torque resistant "T" in the critical twist area. This "T-Zone" construction, combined with long lasting components, makes T-Zone Lever locks outstanding!

Vandal Resistance

The Corbin Russwin CL3100 Series* follows a higher standard for Grade 1 bored locks. The unique T-Zone construction provides strength and durability by true interlocking between the lockbody and the latch far exceeding the ANSI/BHMA A156.2 Series 4000 Grade 1 standards.

*Patented design and construction

Applications
- High traffic areas
- Offices
- Public buildings
- Hospitals
- Institutions
- Educational facilities – K-12 and Universities
- Retail

Key Advantages
- UL Cycle above and beyond test completed at 7.6 Million Cycles. Verification ID: V875753

- Several security key systems available (Access 3®, Pyramid, etc.)
- Fits most standard door preps
- Only 45 degrees of lever rotation required to retract latchbolt
- 18 functions. Many of which are easily field changeable
- 3 levers and 4 roses available to cover a wide variety of door preps and design requirements
- Simple cylinder removal. Easy change outs.
- T-Zone construction tested to over 15 million cycles, exceeding ANSI/BHMA Grade 1 standards by 15 times.

MicroShield ®

ASSA ABLOY Group companies offer MicroShield®, an anti- microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or impled, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

agion
Nature's antimicrobial

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CL3100.2

Corbin Russwin
ASSA ABLOY

Features

CL3100 Series

Features

Handing
Non-handed

Door Thickness
1-3/4" (44mm) - 2" (51mm) standard. Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 13.

Door Prep
ANSI/BHMA A156.115 (161)

Lock Chassis
Steel, zinc dichromated for corrosion resistance.

Backset
2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 13.

Bearing Assembly
Cast and machined stainless steel

Latchbolt
Stainless steel bolt 7/8" (22mm) diameter x 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw fire latch.

Front
Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat front doors and doors beveled 1/8" (3mm) in 2" (51mm).

Strike
Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional: strikes, lip lengths and ANSI wrought strike box available.
See Quick Codes, page 13.

Levers
Secured with 6 lobe security set screw standard

Roses
Brass

Cylinder
Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available
Master keying Construction master keying Visual key control
Concealed key control
Interchangeable core (LFIC or SFIC) Security
Security LFIC Access
3® LFIC Pyramid
Pyramid LFIC

Keys
Two nickel silver standard.

Warranty
Ten-year limited.

Classroom Security
The CL3152 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not.

STC55 Sound Transmission Class Rated Product (M112)
Corbin Russwin CL3100 Series Lever Locks are part of the STC Acoustical Door Systems from ASSA ABLOY Group brand Security Metal Products (SMP).
This solution encompasses door, frame, sounds seals and threshold, and lock. The STC55 requires a special version of the CL3100 Lever Lock. To order the CL3100 Series Lever Lock for use with STC55 door system, include the M112 quick code in the order string and specify the C or K rose only. With this prefix, it will be configured for a 1-3/4" door with a 3/4" panel for 1-1/2" total thickness. Door handing is required to dictate panel location. Functions are limited to the following: CL3110, CL3151, CL3155, CL3157, CL3172 and CL3180.

To learn more about SMP and the STC 55 Acoustical Door System, please visit www.secmet.com

Certification/Compliance

ANSI/BHMA
Exceeds A156.2 Series 4000,

BHMA CERTIFIED, Grade 1.
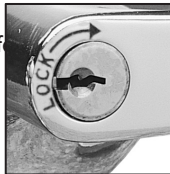Meets A117.1 Accessibility Code.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within 1/2" (13mm) of door face.

UL-cUL
UL and cUL listed to Canadian Safety Standards
Listed for 3 Hour Doors

All locks with 1/2" (13mm) throw listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire-rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

A.D.A.
All levers conform to ADA requirements for barrier-free accessibility.

Windstorm
UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002
ANSI/ASTM 31886-2005 & ASTM 31996-1009
UL Certification Directory ZHEM.R21744 Latching Hardware
Listed on Florida Building Code Website: FL4351-R1

Bid #: 8195-W4

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CL3100.3

Corbin Russwin
ASSA ABLOY

Features
CL3100 Series

Finishes

ANSI/BHMA 605 (US3)	Bright Brass
ANSI/BHMA 606 (US4)	Satin Brass
ANSI/BHMA 611 (US9)	Bright Bronze
ANSI/BHMA 612 (US10)	Satin Bronze
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed
613E	Dark Oxidized Satin Bronze - equivalent
613L	Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)	Bright Nickel Plated
ANSI/BHMA 619 (US15)	Satin Nickel Plated
619C	Satin Nickel Plated with Microshield®
ANSI/BHMA 625 (US26)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
ANSI/BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed
BSP	Black Suede Powder Coat
WSP	White Suede Powder Coat

Zinc levers are plated to match ANSI/BHMA finish.

MicroShield®

CL3100 series locks are available with MicroShield® antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non- toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "C".

Note: MicroShield® coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Corbin Russwin makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial.

2 Solid Cast Lever Designs Available

Cast and Stainless Steel Bearing Assembl

Bid #: 8195-W4
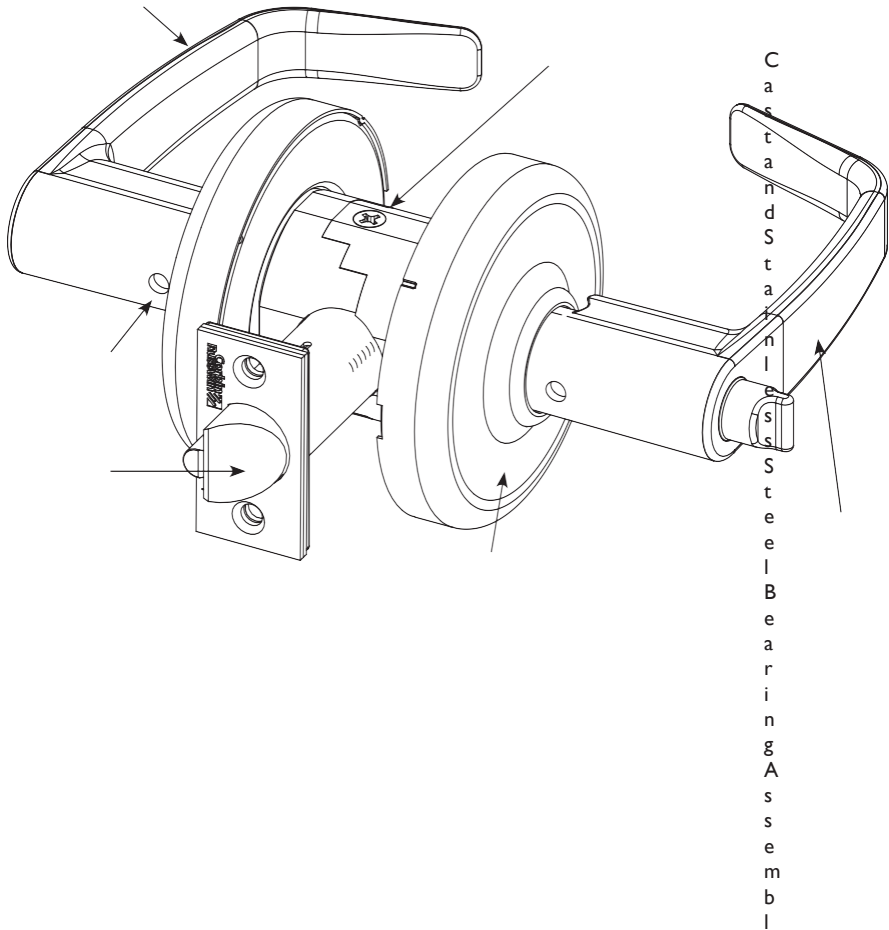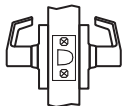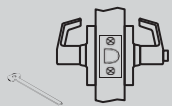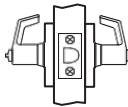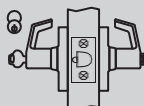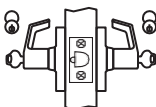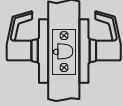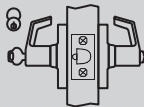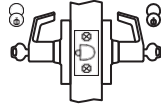
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6 Lobe Security Set Screw   4

Stainless Steel 1/2" (13mm)
Throw Latch

                                                                    3 Solid Cast Lever
                                                                    Designs Available
                                        3 Rose Styles Available

Corbin Russwin
ASSA ABLOY

Functions
CL3100 Series

Outside Inside	Series/ Function	Type	ANSI No.	Function Description
	CL3110	Passage or Closet	F75	• Latchbolt by lever either side. • Both levers always free.
	CL3120	Privacy, Bedroom or Bathroom	F76A	• Throw-off latchbolt by lever. • Outside lever locked by push button on inside lever. • Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. • Inside lever always free.
	CL3120H	Hospital Privacy	—	• Outside lever locked by push button on inside lever. • Outside lever unlocked by rotating thumbturn on outside lever and releasing inside push button. • Rotating inside lever or closing door also unlocks outside lever.
	CL3129	Hotel or Motel	F93	• Deadlocking latchbolt by lever inside or by key outside. • Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. • Push button released by turning inside lever. • Outside lever always locked. • Inside lever always free. • Not available with other manufacturers keyways • Pushbutton will not depress unless door is in closed position • Lockout key fixes pushbutton in locked position, shutting out all keys except emergency key. • Lockout key ordered separately.
	CL3132	Institutional or Utility	F87	• Deadlocking latchbolt by key either side. • Should be used only in office or room with multiple entries.
	CL3140NT	Exit Latch	F89	• Deadlocking latchbolt by lever inside. • Outside lever always locked. • Inside lever always free.
	CL3150	Half Dummy Trim	—	• Lever acts as pull only; no operation. • Lever is rigid.
	CL3151	Entrance or Office	F81	• Deadlocking latchbolt by lever either side, except when turn button locks outside. • Turning button locks outside lever, requiring key at all times. • Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.
	CL3152	Classroom Intruder	—	• Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. • Key in either lever locks or unlocks the outside lever except when inside locks the outside lever - then only the inside key can unlock the outside lever. The outside key only retracts the latchbolt unless the outside lever is unlocked by the inside key. • Inside lever always free.

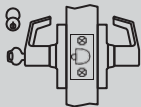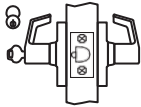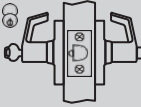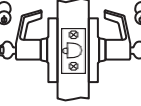Indicates optional interchangeable core available; see Quick Codes, page 12.
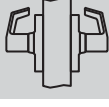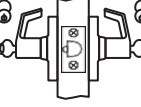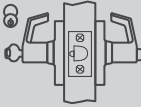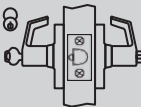
Bid #: 8195-W4

Functions

CL3100 Series

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3155	Classroom	F84	• Deadlocking latchbolt by lever either side, except when key outside locks outside lever. • Outside lever locked or unlocked by key outside. • Inside lever always free.
		CL3157	Storeroom or Closet	F86	• Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Inside lever always free. • Outside lever rigid at all times.
		CL3161	Entry or Office	F82A	• Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. • Closing door does not release push button. • Inside lever always free.
		CL3162	Communicating	F80	• Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. • Keyed alike unless otherwise specified. • Should be used only in office or room with multiple entries.
		CL3170	Full Dummy Trim	—	• Levers act as pulls only; no operation. • Levers are rigid.
		CL3172	Apartment, Exit or Public Toilet	F88	• Deadlocking latchbolt by lever either side, except when key inside locks outside lever. • Key outside retracts latchbolt when outside lever is locked by key inside. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.
		CL3175	Corridor/Dormitory Lock	F90	• Latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton will not depress unless door is in closed position. • Depressed pushbutton indicates door is locked. Rotating inside lever releases button. • Inside lever always free. • Outside lever rigid when locked.
		CL3180	Passage Lever x Blank Plate	F111	• Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
		CL3193	Service Station	F92	• Deadlocking latchbolt by lever. • Outside lever locked by push button. • Key retracts latchbolt when outside lever is locked. • Pushbutton will not depress unless door is in closed position • Push button released by turning inside lever or by key in outside lever, unless pushbutton is fixed in locked position by turning coin slot in inside lever. • Inside lever always free.

Indicates optional interchangeable core available; see Quick Codes, page 12.

Bid #: 8195-W4

CL3100.6

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Trim Designs

CL3100 Series

Levers

AZD shown

Armstrong

AZD, AZC, AZE, or AZK
Lever: Solid cast zinc
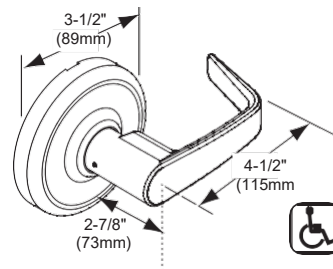**Rose:** Brass
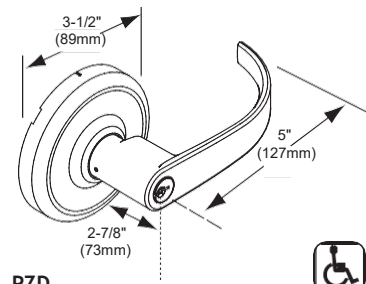

NZD shown

Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD, NZC, NZE, or NZK
Lever: Solid cast zinc
Rose: Brass

3-1/2"
(89mm)

4-1/2"
(115mm)

2-7/8"
(73mm)

NZD

PZD shown

Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

PZD, PZC, PZE, or PZK
Lever: Solid cast zinc
Rose: Brass

3-1/2"
(89mm)

5"
(127mm)

2-7/8"
(73mm)

PZD

Roses

D Rose (standard)
3-1/2" Dia.
Brass

C Rose
2-3/4" Dia.
Brass

E Rose
3-1/8" Sq.
Brass

K Rose
2-3/4" Dia.
Brass

Bid #: 8195-W4

CL3100.7

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Options & Accessories

CL3100 Series

Latches

To order optional latch with lockset, see Quick Codes, page 13.
To order latch separately, specify Part No. x Finish (e.g., 780F81 x 626).

Part	Code	Functions
Standard 2-3/4" (70mm) Backset		
780F81	A	10
780F82	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F83	C	20, 20H
780F84	D	29, 75, 93
780F85	K	61
B334 option 3-3/4" (95mm) Backset		
780F86	A	10
780F87	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F88	C	20, 20H
780F89	D	29, 75, 93
780F90	K	61
B500 option 5" (127mm) Backset		
780F91	A	10
780F92	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F93	C	20, 20H
780F94	D	29, 75, 93
780F95	K	61
M16 option 3/4" (19mm) Throw*		
780F96	—	10, 51, 55, 57, 72, 80

Note: Code letter stamped on inside corner of latch front identifies function(s) compatible with latch assembly.
*Limited to 2-3/4" Backset only

Corbin Russwin Cylinders
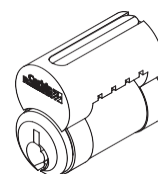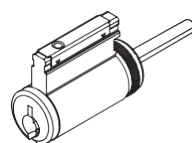
Security Type	Pins	Standard Cylinder	Large Format Interchangeable Core
Conventional	6-Pin	CR2000-031 (standard)	CR8000
	7-Pin	CR2000-031-7	CR8000-7
Hotel	6-Pin	CR2001-031	CR8001-031
	7-Pin	CR2001-031-7	CR8001-031-7
Security	6-Pin	CR2010-031	CR8010
Pyramid - High Security	7-Pin	CR2020-031	CR8020
Pyramid - Security	7-Pin	CR2027-031	CR8027
Access 3 - Patented (AP)	6-Pin	CR2500-031	CR8500
Access 3 - Security (AS)	6-Pin	CR2600-031	CR8600
Access 3 - High Security (AHS)	6-Pin	CR2700-031	CR8700
Access 3 - AP (Hotel Function)	6-Pin	CR2501-031	N/A
Access 3 - AS (Hotel Function)	6-Pin	CR2601-031	N/A
Access 3 - AHS (Hotel Function)	6-Pin	CR2701-031	N/A

Plug diameter for standard cylinders is .509, .510 for Access 3®, .552 for security cylinders and .496 for Pyramid cylinders. Cylinders are brass and come with 2 nickel silver keys.
Finishes for all cylinders and cores include 606, 626 or BSP.
To order cylinders separately, specify Part No. x Keyway x Finish (e.g., CR2000-031 x L4 x 626).

Bid #: 8195-W4

CL3100.8

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ptions & Accessories

CL3100 Series

Small Format Interchangeable Core

Description	Number
6-pin	CR8200
7-pin	CR8200-7
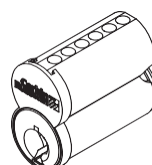
Cores are available in Best® keyways A, B, C, D, E, F, G, H, J, K, L, M. Cores are brass and come with 2 nickel silver keys.
Finishes: 606, 626

Cylinders with Keyways From Other Manufacturers*

Competitive Keyway	Number
Schlage® C (0-bitted)	CR2400-031-C
Schlage® C (keyed random)	CR2400-031-C-KR
SARGENT® LA (0-bitted)	CR2400-031-LA

*All cylinders are 6-pin and available in 606 or 626 finish.

Levers That Accept Cylinders/Cores From Other Manufacturers[1]

Cylinder Type	Quick Code Ordered with Lock	Available Levers	Tailpiece Kit (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
SARGENT 6-pin	M09	AZ, NZ, PZ	775F948	—
Schlage® 6-pin	M06	AZ, NZ, PZ	778F788	Schlage® Conventional 21-002, 23-001, 23-013 or Primus® 20-548, 20-550, 20-748, 20-750 cylinders
Yale® 6-pin	YC	NZ, PZ	778F759 (spacer)	Yale® 1803-54L, 5803-54L and K403-54L cylinders only.
Yale® 7-pin	YC7	NZ, PZ		Yale® 1803A-54L, 5803A-54L and K403A-54L cylinders only.
Interchangeable Core				
SFIC 6- or 7-pin	M08[2]	AZ, NZ, PZ	780F658	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	M69	AZ, NZ, PZ	780F662	All Schlage® 6-pin large format interchangeable cores
Yale® LFIC 6-pin	YRC	NZ, PZ	774F878	All Yale® 6-pin large format interchangeable cores
Yale® LFIC 7-pin	YRC7	NZ, PZ	774F888	All Yale® 7-pin large format interchangeable cores

1. Cylinder/core not included.
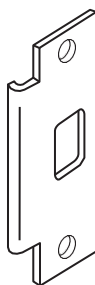2. Ships with disposable core installed.

Bid #: 8195-W4

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Options & Accessories

CL3100 Series

Strikes

ANSI Curved Lip (standard) Brass

or stainless steel.

4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).

To order separately, specify 217L13

x Lip Length x Finish.

ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 13. To order separately, specify 120F768.

Curved Lip

"T" Strike

(option) Brass.

2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm),

2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

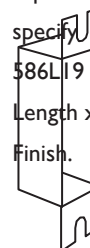To order optional strike with lockset, see Quick Codes, page 12.

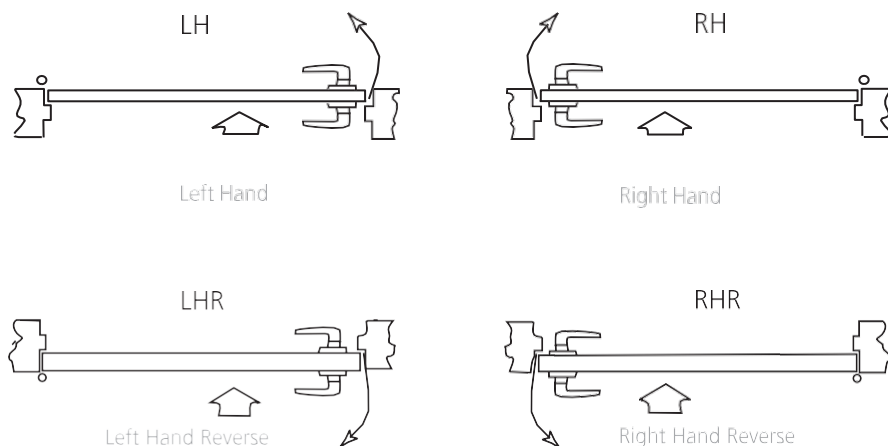To order separately, specify 586L19 x Lip Length x Finish.

Bid #: 8195-W4

CL3100.10

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How to Order

CL3100 Series

Ordering Examples

LH

Left Hand

RH

Right Hand

LHR

Left Hand Reverse

RHR

Right Hand Reverse

Where to find ordering information and quick codes

Series/Function	Pages 5-6
Trim Designs	Page 7
Latches	Page 8
Finish	Page 12
Cylinders and Keying	Page 12
Door Thickness	Page 13
Backset	Page 13
Strike	Page 13
Miscellaneous Options	Page 13

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3155	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3155	NZD	NZD	626	625	LH

Contract / Detailed Order

Quantity	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying	Keyset
24	CL3155	NZE	626	RHR	D214	B334	SC114	M04-M16	C6	VKC3	AA1

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Quick Codes

CL3100 Series

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)[1]	LC
LFIC	
LFIC 6-pin	C6
LFIC 6-pin Less Core[1]	CL6
LFIC 6-pin Disposable Core[1]	CT6D
LFIC 6-pin with Temporary Construction Core (Red)[1]	CT6R
LFIC 6-pin with Temporary Construction Core (Blue)[1]	CT6B
LFIC 6-pin with Temporary Construction Core (Green)[1]	CT6G
LFIC 7-pin	C7
LFIC 7-pin Less Core[1]	CL7
LFIC 7-pin Disposable Core[1]	CT7D
LFIC 7-pin with Temporary Construction Core (Red)[1]	CT7R
LFIC 7-pin with Temporary Construction Core (Blue)[1]	CT7B
LFIC 7-pin with Temporary Construction Core (Green)[1]	CT7G
SFIC[1]	
SFIC 6-pin	C6S
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
SFIC 6-pin with Temporary Construction Core (Blue)	CT6SB
SFIC 7-pin	C7S
SFIC 7-pin with Temporary Construction Core (Blue)	CT7SB
Security	
Security[1]	HS
Security LFIC[1]	CHS
Access 3®	
Access 3® Patented Fixed Core	AP
Access 3® Security Fixed Core	AS
Access 3® High Security Fixed Core	AHS
Access 3® Patented LFIC[1]	ACP
Access 3® Security LFIC[1]	ACS
Access 3® High Security LFIC[1]	ACHS
Pyramid	
Pyramid Security Fixed Core[1]	PS
Pyramid High Security Fixed Core[1]	PHS
Pyramid Security LFIC[1]	PCS
Pyramid High Security LFIC[1]	PCHS
Pyramid LFIC Less Core[1]	CLP
Pyramid with Temporary Construction Core[1]	CTP
Pyramid Disposable Core[1]	CTPD
Keying and Keys	
0-bitted with 2 blank keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Cylinder and Keying (cont.)

Description	Specify
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKC0
Keys only	VKC1
Cylinders and keys (not for AS, AHS, ACS, ACHS, HS, CHS, PHS or PCHS)	VKC2
Cylinders only (not for AS, AHS, ACS, ACHS, HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only (not for AS, AHS, ACS, ACHS, PHS, PCHS)	CKC3
Schlage® C keyway cylinder (0-Bitted or KR)[1]	C
SARGENT® LA keyway cylinder (0-Bitted)[1]	LA

1. Not available in CL3129 function

Finishes

Description		Specify
ANSI/BHMA 605 (US3)	Bright Brass	605
ANSI/BHMA 606 (US4)	Satin Brass	606
ANSI/BHMA 611 (US9)	Bright Bronze	611
ANSI/BHMA 612 (US10)	Satin Bronze	612
ANSI/BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613E	Dark Oxidized Satin Bronze - equivalent	613E
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
ANSI/BHMA 618 (US14)	Bright Nickel Plated	618
ANSI/BHMA 619 (US15)	Satin Nickel Plated	619
619C	Satin Nickel Plated with Microshield®	619C
ANSI/BHMA 625 (US26)	Bright Chromium Plated	625
ANSI/BHMA 626 (US26D)	Satin Chromium Plated	626
626C	Satin Chromium Plated with MicroShield®	626C
ANSI/BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed	722
BSP	Black Suede Powder Coat	BSP
WSP	White Suede Powder Coat	WSP

Zinc levers are plated to match ANSI/BHMA finish.

Lock/Cylinder Finish

Lock	Cylinder/Core*
605,606,611,612,613,613E,613L,722	606
618,619,625,626,WSP	626
BSP	BSP

*Finish when cylinder provided with lock

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Quick Codes

CL3100 Series

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	T-Strike Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	SA114 (standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

Door Thickness

Door Thickness	Specify
1-3/4"(44mm) - 2" (51mm)	(standard)
Over 2" (51mm) - up to 2 1/4" (57mm)	D214

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® fixed core cylinder (AZ, NZ & PZ designs)	M06[1]
Lever to accept 6 or 7-pin SFIC (AZ, NZ & PZ designs)	M08[1]
Lever to accept SARGENT® fixed core cylinder (AZ, NZ & PZ designs)	M09[1]
3/4" (19mm) throw fire latch	M16
ANSI wrought strike box	M17
Knurling outside and inside	M20[2]
Knurling outside only	M21[2]
Knurling inside only	M22[2]
Abrasive coat outside and inside	M23
Abrasive coat inside only	M24
Abrasive coat outside only	M25
Lead lining (roses)	M28
Lever to accept Schlage® LFIC (AZ, NZ & PZ designs)	M69[1]
Security Lever	M111
STC 55 Door Kit	M112
Lever to accept Yale® 6-pin fixed core cylinder (NZ & PZ designs only)	YC[1]
Lever to accept Yale® 7-pin fixed core cylinder (NZ & PZ designs only)	YC7[1]
Lever to accept Yale® 6-pin LFIC (NZ & PZ designs only)	YRC[1]
Lever to accept Yale® 7-pin LFIC (NZ & PZ designs only)	YRC7[1]

1 Not available in CL3129 functions
2 All levers provided in a powder coat finish will be supplied with an abrasive coating

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CL3100.13

Corbin Russwin
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How To Specify

CL3100 Series

CL3100 Series
Suggested Specification

All locksets shall be CL3100 Series Vandal Resistant Lever Locksets as manufactured by Corbin Russwin Architectural Hardware. A

single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed.

Locksets shall be able to withstand 3000 inch pounds of torque applied to the locked lever without gaining access.

Locksets shall have solid cast levers without plastic fillers. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

Locksets shall be able to fit a standard 2-1/8" (55mm) bore without the use of thru-bolts. Standard rose size shall be 3-1/2" (89mm) in diameter.

Latchbolt head shall be one piece stainless steel. Latchbolt assembly shall be encased within the lock body. Lockset shall

have 2-3/4" (70mm) backset, standard.

A single lockset shall accommodate a 6 or 7-pin conventional cylinder and all levers of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

Locksets required for fire doors shall be listed by UL for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3m) and pairs of doors 8'0" (2.4m) x 10'0" (3m). A 3/4" (19mm) throw Latchbolt for pairs of fire doors shall be standard.

Locksets shall be cycle tested per ANSI/BHMA A156.2, to eight (8) million cycles without any visible lever sag.

Certification:
Exceeds ANSI/BHMA A156.2 Series 4000, Grade 1
UL and cUL listed to Canadian safety standards
UL-cUL listed for 3 Hour doors
All levers conform to ADA requirements for barrier free accessibility
Meets UL 10C and UBC 7-2
UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002
ANSI/ASTM 31886-2005 & ASTM 31996-1009
UL Certification Directory ZHEM.R21744 Latching Hardware
Listed on Florida Building Code Website: FL4351-R1
Meets ANSI A117.1 Accessibility Code.
California State Reference Code (formerly Title 19, Cal. State Fire Marshal Standard). Lockset

shall carry a ten (10) year limited warranty.

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Notes

CL3100 Series

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Bid #: 8195-W4

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks. access control and service.

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ASSA ABLOY

For additional information, contact your ASSA ABLOY Door Security Solutions
sales consultant or visit **www.corbinrusswin.com.**

MicroShield®

agion

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or impled, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

Bid #: 8195-W4

45237-05/22

VON DUPRIN®

98/99 Series

Exit device – push bar

Overview

The 98/99 Series have all been certified to the highest industry standards and are Von Duprin's most premium offering. The 98/99 Series are high-performance, wide stile heavy-duty exit devices featuring push pads that offer many customizable options.

Features and benefits

■ Built-in flexibility with a universal center case that provides migration path to new technology

■ Highly modular allowing product upgrades to meet customer's changing needs

■ Easy maintenance with extensive serviceable parts options

Vertical markets   **Traffic and duty**

K-12 schools education   Higher   Healthcare   Multifamily   Traffic

Commercial

Vertical

K-12

Higher education

Healthcare

Multifamily

Hospitality

Government

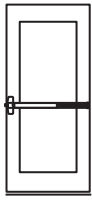**Commercial real**

Traffic and

Traffic
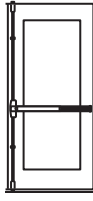

Duty

Stile

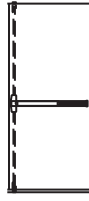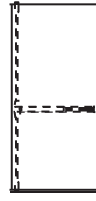**Wide**

Bid #: 8195-W4

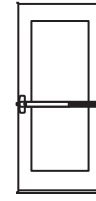## Device types

Rim

Surface vertical rod

Concealed vertical rod

Concealed vertical cable

Mortise

Single three-point latch device

Options

- Classroom security
- Dogging
- Switches
- Latch retraction
- Delayed egress
- Environmental
- Weatherized options

Trim options

A variety of exit trim types and functions are available.
Several versions of compatible trim models listed below.

110 (no trim)

374 6

37

392-7

696 697

VR9

990

96

Finish options

605 Bright Brass

606 Satin Brass

612 Satin Bronze

613 Satin Bronze, Oil-Rubbed

619 Satin Nickel

625 Polished Chrome

626/626AM Satin Chrome

628 Anodized Aluminum

630 AM Satin Stainless Steel

643e Aged Bronze

710 Dark Bronze

711 Black

Bright bronze finish available as a special option AM = Antimicrobial

Certifications

- ANSI/BHMA A156.3 2014 Grade 1 certified
- ANSI/UL 10C (fire-rated only)
- ANSI/UL 305
- CAN/ULC-S104 (fire-rated only)
- CAN/ULC-S132

Looking for more details?

Scan the QR code to learn more about the 98/99 Series push pad exit device or connect with an Allegion team member.

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access. We keep people and

ALLEGION

their assets safe, wherever they are, bringing together simple solutions, convenient access and advanced technology.

For more, visit
www.allegion.com
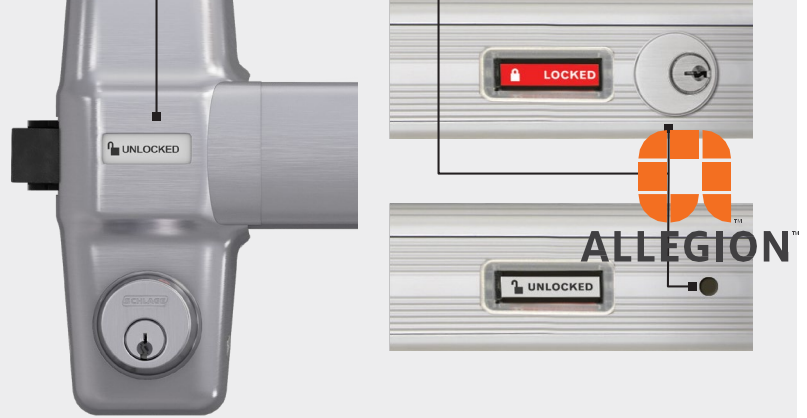
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Security indicators

Overview

Designed for high use and abuse institution environments, such as schools and hospitals, these Von Duprin® products are recommended for the following applications:

- Visual verification - Reduce the time it takes to tour your facility and ensure each door is secure by installing the Von Duprin security indicator to provide at-a-glance visual verification.

- Lockdown - Lock down high occupancy areas such as auditoriums, cafeterias and gymnasiums, from inside the room with the Von Duprin security indicator that provides positive visual confirmation.

The CDSI/HDSI dogging indicator provides an at-aglance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators show whether the device is undogged or dogged. This feature can be used with hex key (HDSI) or cylinder dogging (CDSI) options on various device types–rim, mortise and vertical systems.

The -2SI Security Indicator provides an at-a-glance verification of the LOCKED/UNLOCKED status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 device.

Features and benefits

- Lockdown solution that meets fire and life safety codes for free egress
- Modular conversion kits allow you to quickly and easily upgrade your existing devices
- Visual indication of whether the exit device is locked or unlocked from inside a room

2SI security indicator with double cylinder

- Pad-printed directional indicator provides a clear direction of rotation to secure opening
- Available for 98/99 Series devices

CDSI/HDSI dogging indicator

- Hex or cylinder dogging options
- Visual indication of whether the exit device is dogged or undogged
- Available for 98/99 and 33A/35A Series panic devices

Product availability

-2SI Security indicator		New devices
Options	Device	How to order
Classroom security double cylinder with security indicator	98/99	Device suffix = -2SI Trim = 996-2

Above applications available with L and L-BE functions. Must be paired with 996-2 trim. Specify device type, handing and finish. Cylinders are sold separately. Schlage rim cylinders 20-021 (keyed), XB11-979 (thumbturn), and XB13-379 (ADA thumbturn) are recommended.

CDSI/HDSI dogging indicator		New devices
Options	Device	How to order
Cylinder dogging security indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = CDSI
Hex dogging security indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = HDSI

Above options can not be used with fire-rated devices and are recommended for use in combination with the following trim functions - DT, K-DT, L-DT, EO, NL, K-NL, L-NL, NL-OP.

Note: -2SI option is not available for XP98/99, 98/9952, or 98/9950WDC devices.

Security indicator conversion options	Conversion kits

Conversion kits are available for most 98/99 device types and include appropriate parts needed to upgrade installed devices/trims. To order, specify device type with 2SI kit, handing and finish.

To update standard 996L or legacy 994L trim only, order 47427601 kit.

Cylinders with vertical tailpiece required. To accommodate cylinders with horizontal tailpiece, order 47686979 kit for compatibility.

Dogging indicator conversion options[*]

Part number	Description
040070 / 040071	33A CDSI conversion kit 3' / 4'
040072 / 040073	33A HDSI conversion kit 3' / 4'
040074 / 040075	35A CDSI conversion kit 3' / 4'
040076 / 040077	35A HDSI conversion kit 3' / 4'
040078 / 040079	98 CDSI conversion kit 3' / 4'
040080 / 040081	98 HDSI conversion kit 3' / 4'
040082 / 040083	99 CDSI conversion kit 3' / 4'
040084 / 040085	99 HDSI conversion kit 3' / 4'

* For devices manufactured after 9/1997.

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

KRYPTONITE ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

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