Corbin Russwin®

ASSA ABLOY

ML2000 Series

Mortise Locksets

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www.corbinrusswin.com

Quality

The ML2000 series is a Grade 1 mortise lock designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gauge steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt. A wide variety of trim designs and functions and a 10-year warranty lend to the ML2000's versatility and reliability, making it the ideal choice for use in offices, schools, hospitals, hotels and other high-use applications.

Security

Further discourage intrusion and abuse with the ML2000HS (High Security) or ML2000VR (Vandal Resistant) series mortise lock. Both locks feature vandal-resistant stainless steel escutcheons with tapered edges and Torx® pin tamper resistant screws. When matched with Corbin Russwin patented high-security cylinders, any door can become a formidable barrier to intruders.

Aesthetics

Complement any application with the full range of trim designs and finishes offered with ML2000 Series. From stainless steel security trims to bright brass Vineyard™ levers, design continuum can be achieved without forfeiting aesthetics. For additional information regarding designer trim, see the Corbin Russwin Vineyard™ Collection and Muséo® Collection catalogs.

Key Advantages

- Patented Quick Reversible feature enables reversal of hands without disassembling the lock case (Patent # 6,349,982)
- Security trims provide a vandal-resistant barrier
- Can be used with new or existing Corbin Russwin key systems. Also accepts cylinders of most other manufacturers.
- Provides life safety and security in a single door prep, saving the additional cost of a deadlock
- Through-bolted trim designs for proper alignment and increased security

ASSA ABLOY, the global leader in door opening solutions

45300-3/15

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case; see page 71.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 70.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).
Optional: non-ferrous lockcase for corrosion resistance; see Quick Codes, page 69.

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Furnished 1-1/16" (27mm), optional D138, wide for 1-3/8" (35mm) doors.

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front. ML2000HS & ML2000VR utilizes security Torx® screws.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Occupancy Indicator
Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non-keyed functions.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm). ⒣ⓢ 3/8" (10mm) stainless steel.
- Lever: steel, 5/16" (8mm). (Including ⓋⓇ)

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm).
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 70.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder, L4 keyway standard for ML2000HS.
Optional cylinders available; see Quick Codes, page 69.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Plug only to show (concealed shell)
7-pin cylinder
Security cylinder
Access 3® cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Access 3® IC
Master ring cylinder
Blockout cylinder
Flex head cylinder

Warranty
Ten-year limited.

Certification/Compliance

ANSI/BHMA
BHMA CERTIFIED
Certified A156.13 Series 1000, Operational and Security Grade 1. Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/cUL-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair (3 hour fire door). Letter F and UL symbol on armored 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.

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

Windstorm/Hurricane
Certified (refer to local codes).

⒣ⓢ Indicates ML2000HS (High Security) availability.

ⓋⓇ Indicates ML2000VR (Vandal Resistant) availability.

Finishes

ANSI/BHMA 605 (US3)	(HS)	Bright Brass
ANSI/BHMA 606 (US4)	(HS)	Satin Brass
ANSI/BHMA 611 (US9)	(HS)	Bright Bronze
ANSI/BHMA 612 (US10)	(HS)	Satin Bronze
ANSI/BHMA 613 (US10B)	(HS)	Oxidized Bronze, oil rubbed
613E (US10BE)		Dark Oxidized Satin Bronze - Equivalent
613L		Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)		Bright Nickel Plated
ANSI/BHMA 619 (US15)	(HS)	Satin Nickel Plated
ANSI/BHMA 625 (US26)	(HS)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)	(HS)	Satin Chromium Plated
626C		Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	(VR)	Bright Stainless Steel
ANSI/BHMA 630 (US32D)	(VR)	Satin Stainless Steel
630C	(HS)	Satin Stainless Steel with MicroShield®
ANSI/BHMA 722		Black Oxidized Bronze, oil rubbed

Armored front conceals lock mounting screws and one-piece heavy- gauge steel front

Deadbolt at 1 " throw will project further than latchbolt at 3/4 " throw

Patented latchtail enables easy handing changes (Patent # 6,349,982)

1 " throw, one-piece deadbolt meets security Grade 1

Heavy-gauge internal parts provide security, reliability, and durability

Heavy-duty 3/4 " throw latchbolt with stainless steel insert provides positive secure latching

(HS) Indicates ML2000HS (High Security) availability.

(VR) Indicates ML2000VR (Vandal Resistant) availability.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01	A01	ML2002 (HSS)	Classroom Intruder		• Latchbolt by grip either side, unless outside grip is locked by key either side. • Outside grip locked or unlocked by cylinder either side. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2003 (HSS)	Classroom		• Lock or unlock outside grip by key. • Latchbolt by grip either side, unless outside grip is locked. • Inside grip always free. • Auxiliary latch deadlocks latch.
		ML2010 (HS) (VR) (HSS)	Passage or Closet	F01	• Latchbolt by grip either side. • Both grips always free.
A01		ML2011 (VR) (HSS)	Deadlock	F18	• Deadbolt by key outside. • No inside operation.
A01	A01	ML2012 (HSS)	Deadlock	F16	• Deadbolt by key either side.
A01		ML2013 (HSS)	Deadlock	F17	• Deadbolt by key outside or by thumbturn grip inside.
A01		ML2017 (HSS)	Classroom Deadlock	F29	• Deadbolt by key outside. • Thumbturn grip inside retracts deadbolt only; will not project deadbolt.
		ML2020 (HS) (VR) (HSS)	Privacy Bedroom or Bathroom	F02	• Latchbolt by grip* either side, when deadbolt is retracted. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • No simultaneous deadbolt and latch retraction • Non-panic release • Not available with M19S ro M19SN

Indicates Indicator option is available

Indicates Indicator option is available

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Outside		Inside	Series/Function	Type	ANSI No.	Function Description
A01		A01	ML2022 HS VR HSS	Store Door	F14	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key either side. • Non-panic release. • No simultaneous deadbolt and latch retraction
A01			ML2024 HS VR HSS	Entrance or Storeroom	F21	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key outside or by thumbturn grip inside. • Non-panic release. • No simultaneous deadbolt and latch retraction
A01 (Hotel Cylinder)			ML2029 VR	Hotel or Motel	F15	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Deadbolt by thumbturn grip inside or by emergency key outside. • Inside grip simultaneously retracts latchbolt and deadbolt. • Emergency key shuts out all other keys. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only
A01 (Hotel Cylinder)			ML2029HS HS	Hotel or Motel	—	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Emergency key throws deadbolt, shutting out all other keys and preventing exit from inside. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only
			ML2030 HS VR	Privacy Bedroom or Bathroom	F19	• Latchbolt by grip either side unless outside grip locked by thumbturn • Deadbolt by thumbturn grip inside or by emergency release tool outside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Not available with M19S or M19SN
A01		A01	ML2032 HS VR HSS	Institution or Utility	F30	• Latchbolt by key either side. • Both grips always rigid. • Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.
A01		A02	ML2042 HS VR HSS	Entrance or Public Restroom	F09	• Latchbolt by grip either side, unless outside grip is locked by key from inside. • Latchbolt by key outside when outside grip is locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01			ML2048 HS VR	Entrance or Apartment	F08 F10	• Latchbolt* by key outside or by grip either side, unless outside grip is locked by toggle-action stop. • Deadbolt by key outside or by thumbturn grip inside. • Inside grip free when deadbolt is retracted. • Non-panic release. • No simultaneous deadbolt and latch retraction Note: Indicator shows deadbolt position only
			ML2050	Half Dummy Trim	—	• Grip acts as pull only; no operation.

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

Indicates Indicator option is available

Indicates Indicator option is available

HS Indicates function availability in ML2000HS.
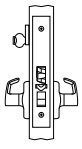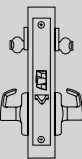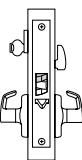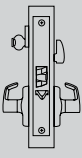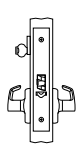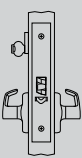
VR Indicates function available in Vandal Resistant Trim.

HSS Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

ML2000.6

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2051 (HS) (VR) (HSS)	Entrance or Office	F04	• Latchbolt by key when outside grip locked by toggle action stop. • Latchbolt by grip either side, unless outside grip is locked by toggle-action stop. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02	A02	ML2052 (HSS)	Classroom Intruder	F32	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key either side. Note: Not available with indicator, specify ML2002.
A02		ML2053 (HSS)	Entrance or Office	—	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn. • Unlocked by key or thumbturn. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2054 (HSS)	Entrance or Office	F04	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2055 (HS) (VR) (HSS)	Classroom	F05	• Latchbolt by grip either side, unless outside grip is locked by key outside • Latchbolt by key when outside grip locked • Auxiliary latch deadlocks latchbolt • Inside grip always free • Outside grip remains locked unless unlocked by key Note: Not available with indicator, specify ML2003
A02		ML2056 (HSS)	Classroom Holdback	F06	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key. • Latchbolt by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key, or released by key. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2057 (HS) (VR) (HSS)	Storeroom or Closet	F07	• Latchbolt by grip inside or by key outside. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2058 (HSS)	Entrance or Office Holdback	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt retracted by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key or thumbturn, or released by key or thumbturn. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.

Indicates rigid grip.
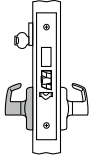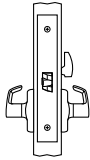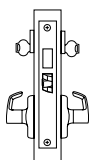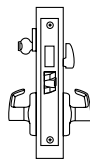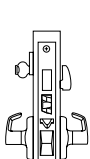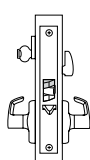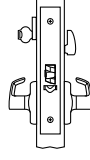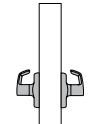
(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2059	Security Storeroom or Closet	—	• Latchbolt and deadbolt by grip inside or by key outside • Inside grip simultaneously retracts deadbolt & latchbolt • Outside grip always rigid • Auxiliary latch deadlocks latchbolt • Inside grip always free Note: Indicator shows deadbolt position only
		ML2060 (HSS)	Privacy	F22	• Latchbolt by grip either side, except when outside grip is locked by thumbturn inside. • Operating inside grip, closing door or operating emergency key outside unlocks outside grip. • Inside grip always free. • Not available with M19S or M19SN
A01	A01	ML2062	Intruder Deadbolt	F33	• Latchbolt by grip either side, unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key from either side • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip • Inside grip always free
A01		ML2065 (HS) (VR)	Dormitory or Entrance	F13	• Latchbolt by grip either side unless outside grip locked by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
A01		ML2067 (HS) (VR)	Apartment or Dormitory	F20	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Auxiliary latch deadlocks latchbolt. • Outside grip unlocked by toggle-action stop Note: Occupancy Indicator shows deadbolt position only
A01		ML2068 (HSS)	Privacy or Apartment		• Latchbolt by grip either side, unless outside grip is locked • Outside grip locked or unlocked by key or thumbturn • Operating inside grip, closing the door or using key unlocks outside grip • Inside grip always free • Auxiliary latch deadlocks latch
A02		ML2069 (HSS)	Institutional Privacy	F26	• Latchbolt by grip either side, except when outside is locked by thumbturn inside. • Operating inside grip or closing door unlocks outside grip. • Key outside retracts latch at all times, even if thumbturn is held in locked position. • Auxiliary latch deadlocks latchbolt.
		ML2070	Full Dummy Trim	—	• Grips act as pulls only; no operation.

Indicates Occupancy Indicator option is available
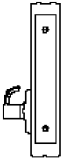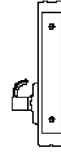
Indicates Indicator option is available

ML2000.8

(HS) Indicates function availability in ML2000HS.
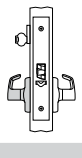
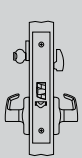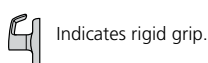(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01	A01	ML2072 (HS) (VR)	Classroom Intruder	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key from either side • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key either side unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
A01		ML2073 (HS) (VR)	Classroom Security	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
A01		ML2075 (HS) (VR)	Security Entrance or Office	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by outside key or inside thumbturn • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
		ML2080	Half Active Dummy Trim	—	• Non-latching operation • Grip always active; acts as push or pull only
A01	A01	ML2082 (HS) (VR)	Dormitory or Exit	F11	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt • Deadbolt thrown by key from either side • Deadbolt and latchbolt retracted by outside key when outside grip locked • Outside grip unlocked by toggle-action stop • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked Note: Indicator shows deadbolt position only
		ML2090 (HSS)	Full Active Dummy Trim	—	• Non-latching operation • Both grips always active; acts as push or pulls only
A01	A01	ML2092 (HS) (VR) (HSS)	Security Institution or Utility	—	• Latchbolt by key either side • Deadbolt thrown and retracted by key either side • Auxiliary latch deadlocks latchbolt • Inside and outside grips remain locked at all times Note: Indicator shows deadbolt position only Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.

Indicates rigid grip.

Indicates Indicator option is available

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

ML2000.9

ML20900 ECL Series
Electrified Mortise Lockset

Simplicity

Combine simplicity and access control with the Corbin Russwin ML20900 ECL series electrically controlled mortise lock. Utilizing the proven ML2000 Series mortise lockset with the patented quick reversible latchbolt, the ML20900 series provides remote locking and unlocking. The electrified lock can be installed in a standard mortise prep with slight modification by door manufacturer. The ML20900 ECL is ideal for use where increased security is necessary at all times, such as tenant space, pharmacies, computer rooms, and high security areas.

Security

In applications where increased security is required, look no further than the ML2000VR Vandal Resistant Trim. This cast stainless steel trim features tapered edges, double through bolts, torx-pin tamper resistant screws and the lever remains attached to the escutcheon when the spindle is broken.

Aesthetics

Access control doesn't mean a loss of visual appeal. The Vineyard™ Collection and the Muséo® Collection feature beautifully designed levers, perfect for high-profile applications where pleasing aesthetics is a must.

Additional Features
- Mechanical key override
- Patented Quick Reversible latchbolt, Patent # 6,349,982
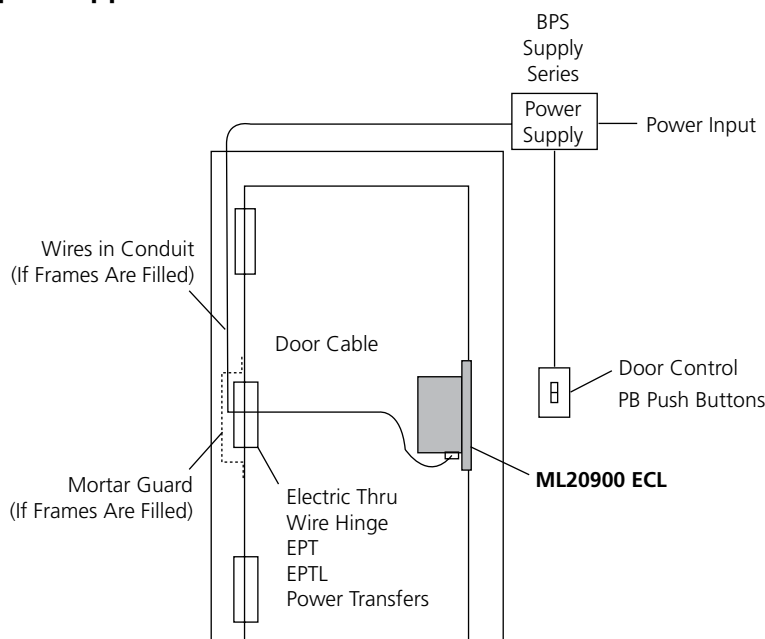
Featuring EcoFlex™ Technology*:
- Reduces energy consumption by 97%
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- Field configurable to fail-safe or fail-secure
- Operates from 12-24VDC, offering greater flexibility in system design
- Innovative actuator design provides superior reliability
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

* Patent Pending

Typical Application

BPS Supply Series

Power Supply — Power Input

Wires in Conduit (If Frames Are Filled)

Door Cable

Door Control
PB Push Buttons

Mortar Guard (If Frames Are Filled)

Electric Thru Wire Hinge
EPT
EPTL
Power Transfers

ML20900 ECL

ASSA ABLOY, the global leader in door opening solutions

45300-3/15

Tower Stairwell

BPS

To Fire Alarm ←
Power Supply
115VAC Input

Wires in Conduit (If Frames Are Filled)

2 x 18AWG

ML20906 Electric Mortise Lock

Wire Transfer Hinge EPT EPTL
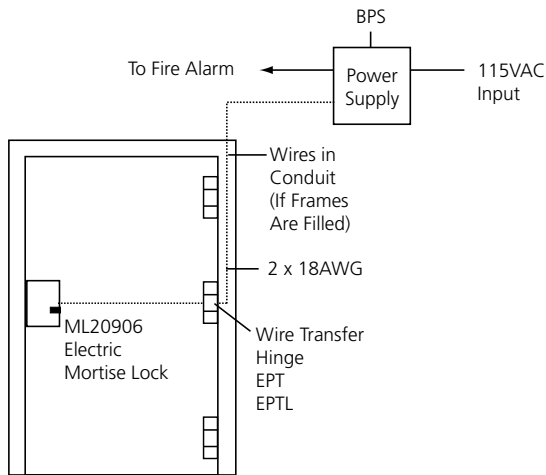
Operation:
Free egress at all times. Door is locked at all times preventing entry from the stairwell to a floor. Fire alarm activation will allow re-entry from the stairwell to the floor. Power failure will allow re-entry from the stairwell to the floor.

Controlled Entry With Alarm

BPS

Power Supply
115VAC Input
Alarm Horn

Wires in Conduit (If Frames Are Filled)

2 x 18AWG
6 x 22AWG

Access Control Reader HID Prox

ML20906 x M91 x M92 Electric Mortise Lock

Wire Transfer Hinge EPT EPTL
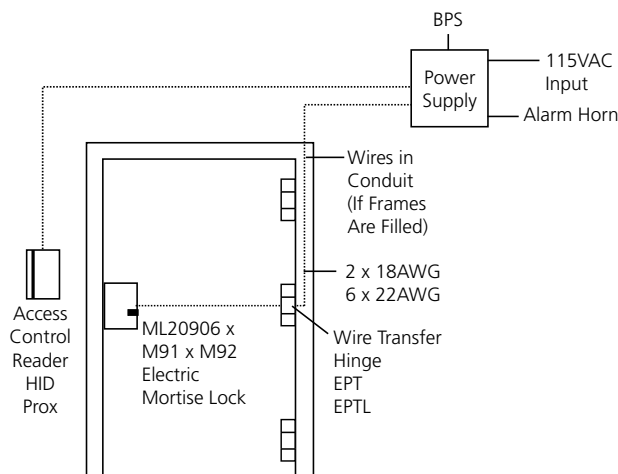
Operation:
Free egress at all times. User exits through the door which triggers the M92 switch which shunts the alarm. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card. Forced entry will trigger M91 switch and activate alarm. Alarm is deactivated by a valid user card.

Access Control on Employee Entrance

BPS

Power Supply
115VAC Input

Wires in Conduit (If Frames Are Filled)

2 x 18AWG

Access Control Reader HID Prox

ML20906 Electric Mortise Lock

Wire Transfer Hinge EPT EPTL

Operation:
Free egress at all times. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card.

Hardwiring Made Easy®
ElectroLynx

ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!

Lock Schematics

Power Leads

Red +
Black -
AC/DC
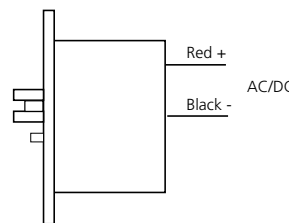
Power Leads x M92 (Request to Exit)

Red +
Black -
AC/DC

C
NO
NC

White
Green   } M92
Orange
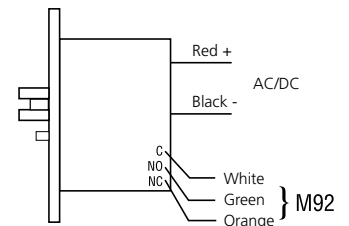
Power Leads x M91 (Latchbolt Monitor)

Red +
Black -
C   Blue
NO   Brown
NC   Yellow
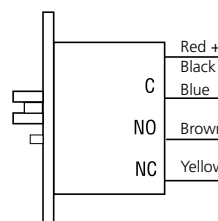
Power Leads x M105 (Security Monitor)

Red +
Black -
C   Blue
NC   Brown
NO   Yellow
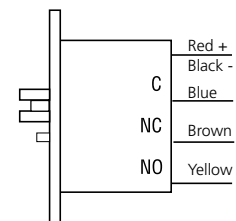
Consult factory for electrical system layouts, riser and wiring diagrams.

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lockcase.

Door Thickness
1-3/4" (44mm) standard. Optional door thicknesses available; see Quick Codes, page 70.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical anti-friction insert, 5/8" (16mm) x l" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))
- (HS) 3/8" (10mm) stainless steel.

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm)
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8'' (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 70.

Trim
Available with all ML2000 Series trim designs including the Vineyard™ Collection and the Muséo® Collection. See pages 38-50.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 69.

Keys
Two nickel silver standard.

Warranty
Ten-year limited warranty on ML2000 mortise lockset. Two-year limited warranty on electronic components.

See the Corbin Russwin Vineyard™ Collection catalog for warranty information on the Infini-T® finish.

Electrical Specifications (Fail Safe/Fail Secure)
12/24VDC @ 15mA Continuous
12/24VDC Peak current draw = .5A (Maximum of 2 locks per 1A Power Supply)
Monitor Switch Rating: 2 amp @ 24VDC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 71.

Monitor Options
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.
M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)
M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.
Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Certification/Compliance

ANSI/BHMA
Certified A156.13 Series 1000, operational and security Grade 1. Meets A117.1 Accessibility Code.

BHMA CERTIFIED

Federal
Meets FF-H-106C.

UL/cUL
All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Letter F and UL symbol on armored front indicate listing. Meets requirements of UL1034.

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.

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

6-pin solid brass cylinder; Corbin Russwin and competitive cylinder compatibility available

One-piece, corrosion-resistant, heavy-gauge steel front

Completely self-contained actuator; lock fits in standard mortise door prep

Heavy-gauge internal parts

Auxiliary latch

Available to match Corbin Russwin trim designs

Hardwiring Made Easy®

Lynx ELECTRO
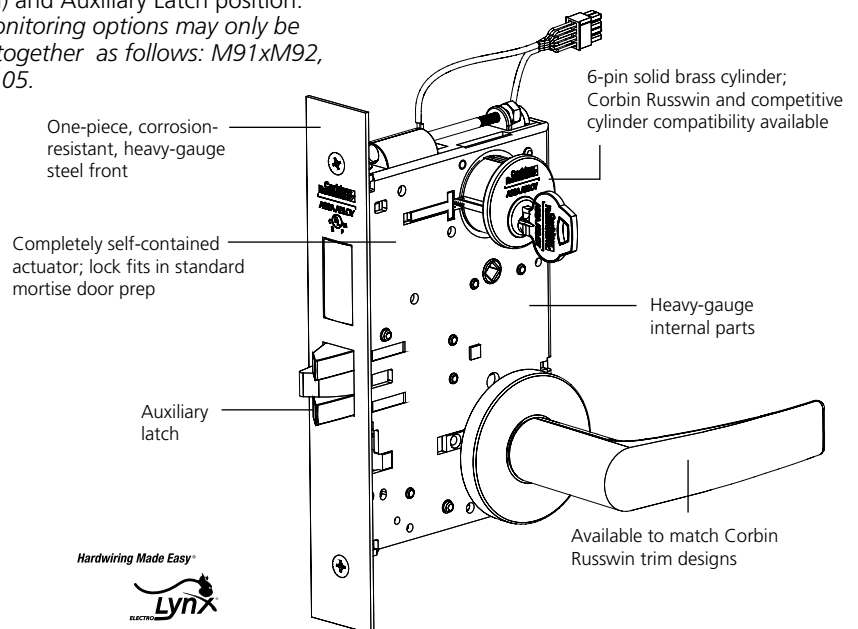
Fail Safe
The following functions are unlocked when power is off and locked when the power is on.

Outside	Inside	Series/Function	Description
		ML20907 x SAF (VR) (HS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SAF (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Auxiliary latch deadlocks latchbolt.
A01		ML20914 x SAF (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
A01	A01	ML20932 x SAF (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing lock. • Latchbolt by key inside or outside when lock is energized. • Auxiliary latch deadlocks latchbolt.
A01		ML20906 x SAF (VR) (HS)	• Latchbolt by grip either side, unless outside grip is locked by energizing lock. • Latchbolt by key outside when lock is energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.

Fail Secure
The following functions are locked when power is off and unlocked when the power is on.

Outside	Inside	Series/Function	Description
		ML20907 x SEC (VR) (HS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20915 x SEC (VR) (HS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Auxiliary latch deadlocks latchbolt.
A01		ML20914 x SEC (VR) (HS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Auxiliary latch deadlocks latchbolt.
A01	A01	ML20932 x SEC (VR) (HS)	• Latchbolt by grip either side only when lock is energized. • Both grips locked when lock is not energized. • Latchbolt by key inside or outside when lock is not energized. • Auxiliary latch deadlocks latchbolt
A01		ML20906 x SEC (VR) (HS)	• Latchbolt by grip either side only when lock is energized. • Outside grip locked when lock is not energized. • Latchbolt by key outside when lock is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

ML2000.13

Lustra

Complies with codes requiring lever to return to within 1/2" (13mm) of door face. Brass, bronze or stainless steel.

LWA
Lever: Wrought
Rose: Wrought

LWB
Lever: Wrought
Rose: Cast

LSA
Lever: Cast
Rose: Wrought

LSB
Lever: Cast
Rose: Cast

2-1/4 (57)
5-1/8 (130)
2-1/2* (64)

LWF
Lever: Wrought
Rose: Cast

LSF
Lever: Cast
Rose: Cast

2-7/8 (73)
5-1/8 (130)
2-1/2* (64)
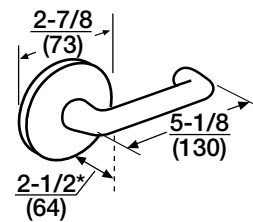
Dimensions:

inches / millimeters

*Dimension from face of door, not surface of rose or escutcheon.

ML2000.14

ASSA ABLOY, the global leader in door opening solutions

45300-3/15

LWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

LSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
5-1/8 (130)
2-1/2* (64)
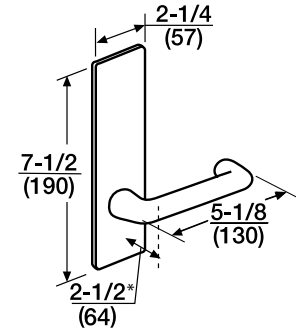
LWN
Lever: Wrought
Escutcheon: Wrought

LSN
Lever: Cast
Escutcheon: Wrought
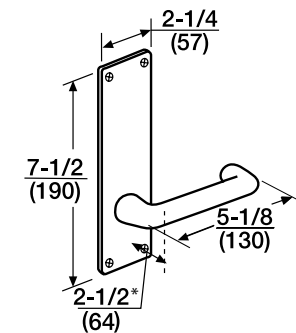
2-1/4 (57)
7-1/2 (190)
5-1/8 (130)
2-1/2* (64)

LWP
Lever: Wrought
Escutcheon: Wrought
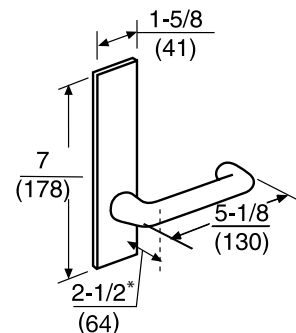
LSP
Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
5-1/8 (130)
2-1/2* (64)

LWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
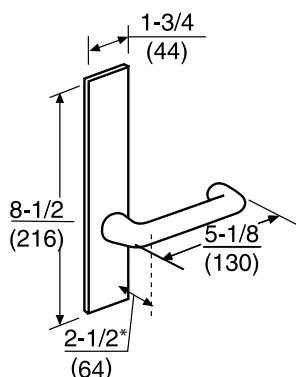
LSR
Lever: Cast
Escutcheon: Solid stainless steel, forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
5-1/8 (130)
2-1/2* (64)

*Dimension from face of door, not surface of rose or escutcheon.

Regis
Brass, bronze or stainless steel

RWA
Lever: Wrought
Rose: Wrought

2-1/4 (57)
4-7/8 (124)
2-1/2* (64)
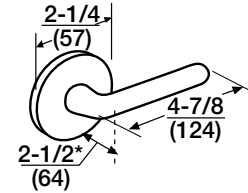
RWB
Lever: Wrought
Rose: Cast

RSA
Lever: Cast
Rose: Wrought

2-1/4 (57)
4-3/8 (111)
2-1/2* (64)
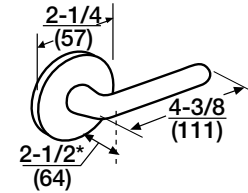
RSB
Lever: Cast
Rose: Cast

RWF
Lever: Wrought
Rose: Cast

2-7/8 (73)
4-7/8 (124)
2-1/2* (64)

RSF
Lever: Cast
Rose: Cast

2-7/8 (73)
4-3/8 (111)
2-1/2* (64)

*Dimension from face of door, not surface of rose or escutcheon.

ML2000.16

RWM

Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring
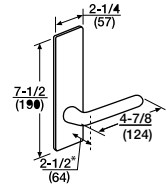
2-1/4 (57)
7-1/2 (190)
4-7/8 (124)
2-1/2" (64)

RSM

Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
4-3/8 (111)
2-1/2" (64)

RWN

Lever: Wrought
Escutcheon: Wrought

2-1/4 (57)
7-1/2 (190)
4-7/8 (124)
2-1/2" (64)

RSN

Lever: Cast
Escutcheon: Wrought

2-1/4 (57)
7-1/2 (190)
4-3/8 (111)
2-1/2" (64)

RWP

Lever: Wrought
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-7/8 (124)
2-1/2" (64)

RSP

Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-3/8 (111)
2-1/2" (64)

RWR
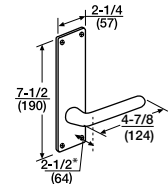
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
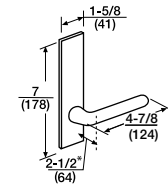
1-3/4 (44)
8-1/2 (216)
4-7/8 (124)
2-1/2" (64)
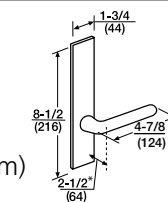
RSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
4-3/8 (111)
2-1/2" (64)

*Dimension from face of door, not surface of rose or escutcheon.

ML2000.17

Citation

Brass, bronze or stainless steel

CSA

Lever: Cast
Rose: Wrought

CSB

Lever: Cast
Rose: Cast

2-1/4
(57)

4-3/8
(111)

2-5/8*
(67)

CSF

Lever: Cast
Rose: Cast

2-7/8
(73)

4-3/8
(111)

2-5/8*
(67)

*Dimension from face of door, not surface of rose or escutcheon.

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45300-3/15

CSM

Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
4-3/8 (111)
2-5/8* (67)

CSN

Lever: Cast
Escutcheon: Wrought
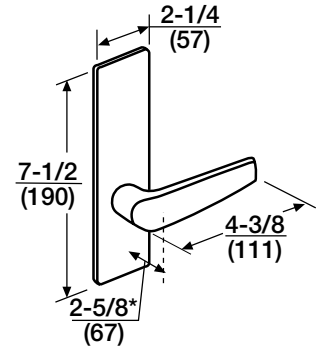
2-1/4 (57)
7-1/2 (190)
4-3/8 (111)
2-5/8* (67)
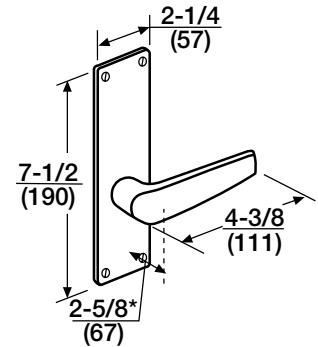
CSP

Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-3/8 (111)
2-5/8* (67)
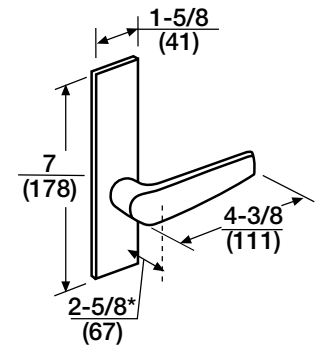
CSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
4-3/8 (111)
2-5/8* (67)

*Dimension from face of door, not surface of rose or escutcheon.

Newport
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass, bronze or stainless steel

NSA
Lever: Cast
Rose: Wrought

NSB
Lever: Cast
Rose: Cast

2-1/4
(57)

4-13/16
(122)

2-5/8*
(67)

NSF
Lever: Cast
Rose: Cast
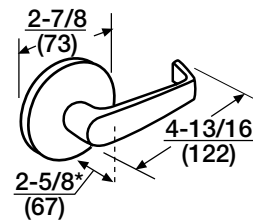
2-7/8
(73)

4-13/16
(122)

2-5/8*
(67)

*Dimension from face of door, not surface of rose or escutcheon.

ML2000.20

NSM

Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
4-13/16 (122)
2-5/8* (67)

NSN

Lever: Cast
Escutcheon: Wrought
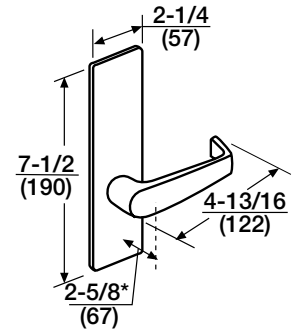
2-1/4 (57)
7-1/2 (190)
4-13/16 (122)
2-5/8* (67)
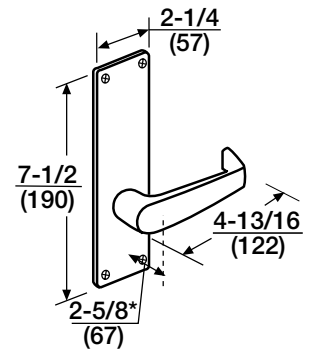
NSP

Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-13/16 (122)
2-5/8* (67)
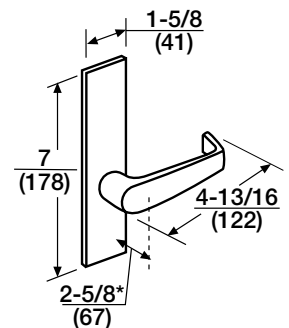
NSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
4-13/16 (122)
2-5/8* (67)
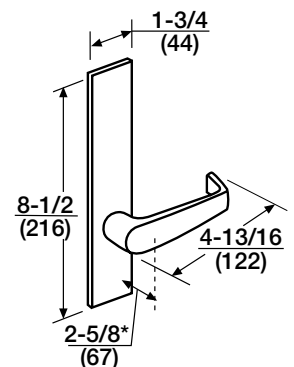
*Dimension from face of door, not surface of rose or escutcheon.

Armstrong

Brass, bronze or stainless steel

ASA
Lever: Cast
Rose: Wrought

ASB
Lever: Cast
Rose: Cast
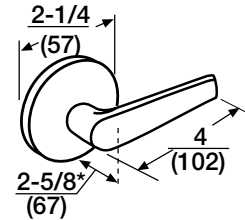
2-1/4
(57)

4
(102)

2-5/8*
(67)

ASF
Lever: Cast
Rose: Cast
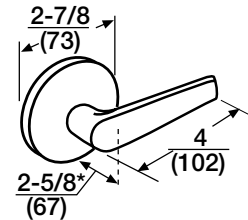
2-7/8
(73)

4
(102)

2-5/8*
(67)

*Dimension from face of door, not surface of rose or escutcheon.

ASM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
4-1/2 (114)
2-5/8* (67)

ASN
Lever: Cast
Escutcheon: Wrought
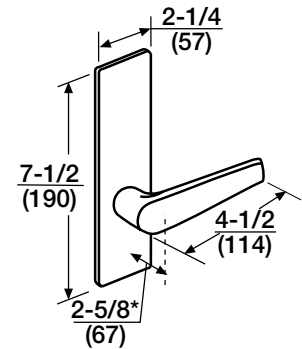
2-1/4 (57)
7-1/2 (190)
4-1/2 (114)
2-5/8* (67)
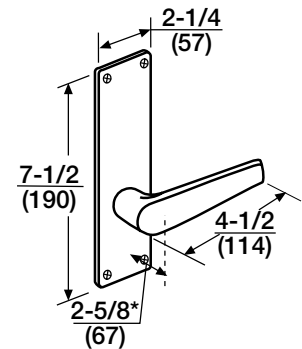
ASP
Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-1/2 (114)
2-5/8* (67)
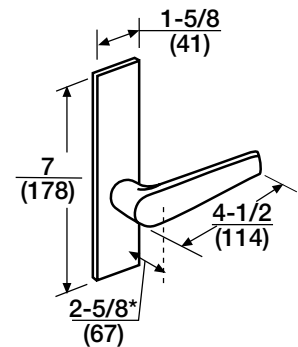
ASR
Lever: Cast
Escutcheon: Solid stainless steel;
forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm),
1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
4-1/2 (114)
2-5/8* (67)
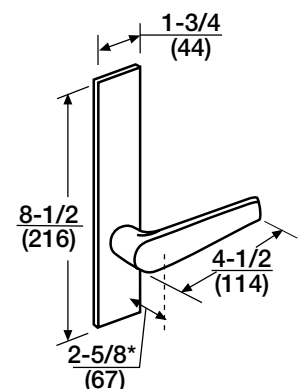
*Dimension from face of door, not surface of rose or escutcheon.

Dirke

Brass, bronze or stainless steel
• Not reversible
• Handed levers

DSA

Lever: Cast
Rose: Wrought
Specify hand

DSB

Lever: Cast
Rose: Cast
Specify hand

2-1/4
(57)
4-1/2
(114)
2-9/16*
(65)
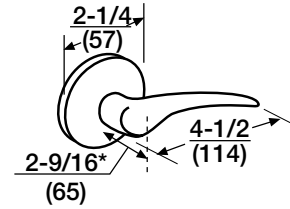
DSF

Lever: Cast
Rose: Cast
Specify hand
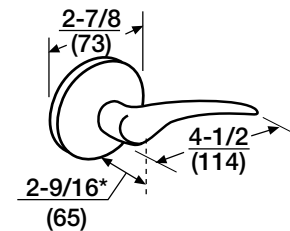
2-7/8
(73)
4-1/2
(114)
2-9/16*
(65)

*Dimension from face of door, not surface of rose or escutcheon.

DSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring
Specify hand

2-1/4 (57)
7-1/2 (190)
4-1/2 (114)
2-9/16* (65)

DSN
Lever: Cast
Escutcheon: Wrought
Specify hand
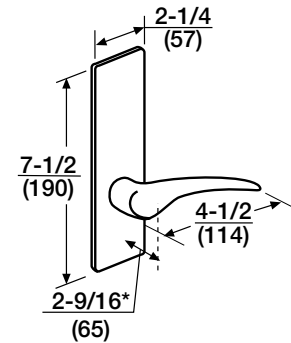
2-1/4 (57)
7-1/2 (190)
4-1/2 (114)
2-9/16* (65)
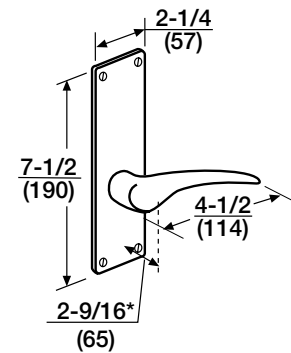
DSP
Lever: Cast
Escutcheon: Wrought
Specify hand

1-5/8 (41)
7 (178)
4-1/2 (114)
2-9/16* (65)
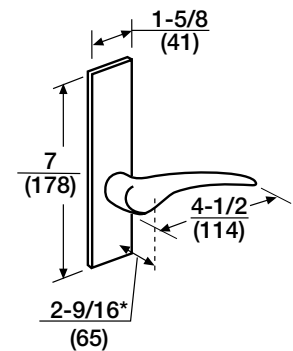
DSR
Lever: Cast
Escutcheon: Solid stainless steel;
forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm),
1-3/4" (44mm), 2-1/4" (57mm)
Specify hand

1-3/4 (44)
8-1/2 (216)
4-1/2 (114)
2-9/16* (65)
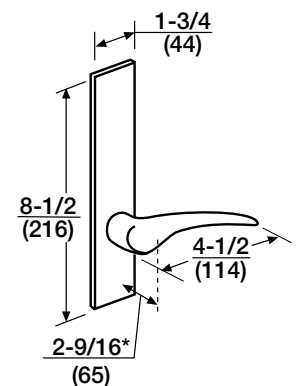
Essex

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

Brass, bronze or stainless steel

ESA
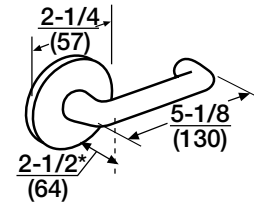Lever: Cast
Rose: Wrought

ESB
Lever: Cast
Rose: Cast

2-1/4
(57)

4-5/8
(117)

2-3/8*
(60)

ESF
Lever: Cast
Rose: Cast

2-7/8
(73)

4-5/8
(117)

2-3/8*
(60)

*Dimension from face of door, not surface of rose or escutcheon.

ASSA ABLOY, the global leader in door opening solutions

ESM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
4-5/8 (117)
2-3/8* (60)

ESN
Lever: Cast
Escutcheon: Wrought

2-1/4 (57)
7-1/2 (190)
4-5/8 (117)
2-3/8* (60)

ESP
Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
4-5/8 (117)
2-3/8* (60)

ESR
Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
4-5/8 (117)
2-3/8* (60)

*Dimension from face of door, not surface of rose or escutcheon.

ASSA ABLOY, the global leader in door opening solutions
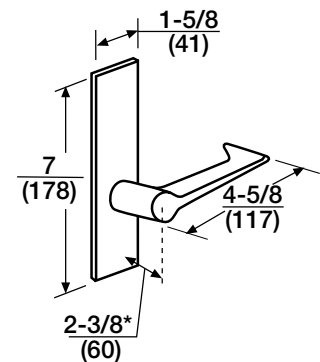
ML2000.27

Princeton
Complies with codes requiring lever to return to within 1/2 " (13mm) of door face.
Brass, bronze or stainless steel

PSA
Lever: Cast
Rose: Wrought

PSB
Lever: Cast
Rose: Cast

2-1/4 (57)
5-1/4 (133)
2-1/2* (64)

PSF
Lever: Cast
Rose: Cast

2-7/8 (73)
5-1/4 (133)
2-1/2* (64)

*Dimension from face of door, not surface of rose or escutcheon.

PSM

Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

2-1/4 (57)
7-1/2 (190)
5-1/4 (133)
2-1/2* (64)

PSN

Lever: Cast
Escutcheon: Wrought
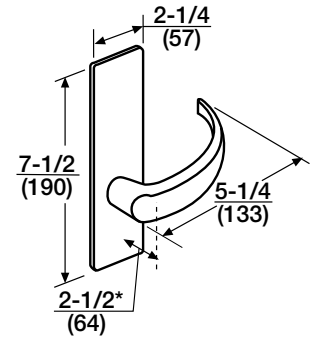
2-1/4 (57)
7-1/2 (190)
5-1/4 (133)
2-1/2* (64)
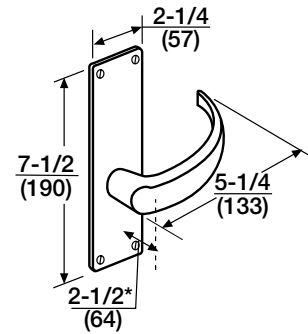
PSP

Lever: Cast
Escutcheon: Wrought

1-5/8 (41)
7 (178)
5-1/4 (133)
2-1/2* (64)
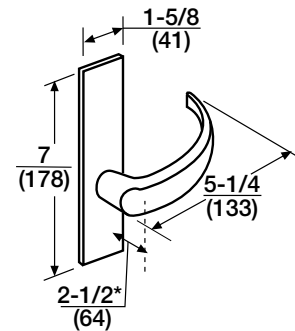
PSR

Lever: Cast
Escutcheon: Solid stainless steel;
forged brass
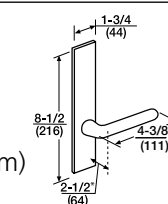Optional: Plug only to show
Door thickness: 1-3/8" (35mm),
1-3/4" (44mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
5-1/4 (133)
2-1/2* (64)
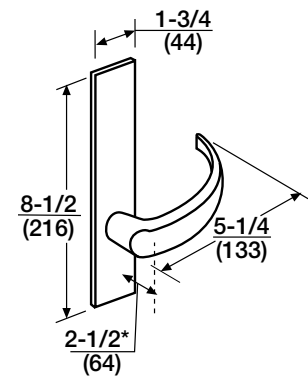
*Dimension from face of door, not surface of rose or escutcheon.
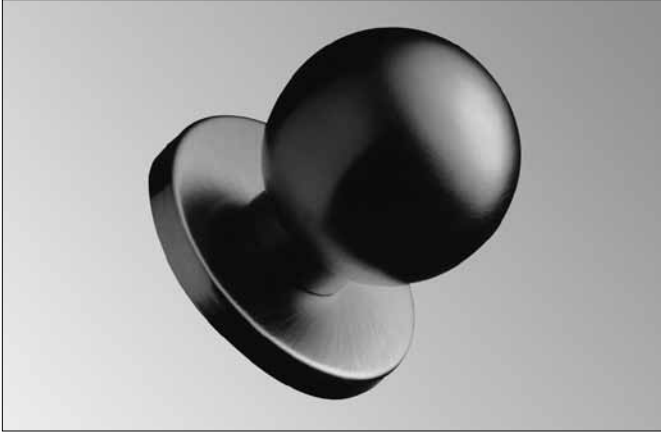
Global
Brass, bronze or stainless steel

GRC
Knob: Wrought reinforced
Rose: Wrought reinforced

GWC
Knob: Wrought
Rose: Wrought reinforced

2-7/8
(73)

2-1/8
(54)

2-7/8*
(73)

2-7/8
(73)

2-1/4
(57)

3*
(76)
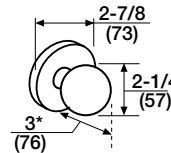
GRC

GWC

GRD
Knob: Wrought reinforced
Rose: Wrought reinforced

GWD
Knob: Wrought
Rose: Wrought reinforced

3-1/2
(89)

2-1/4
(57)

3*
(76)

3-1/2
(89)

2-1/8
(54)

2-7/8*
(73)
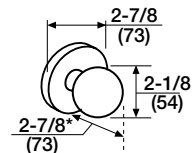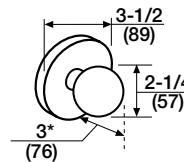
GRD
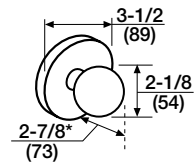
GWD

GSA
Knob: Cast
Rose: Wrought
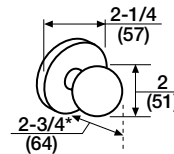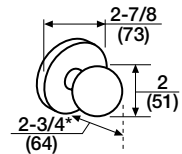
GSB
Knob: Cast
Rose: Cast

GSF
Knob: Cast
Rose: Cast
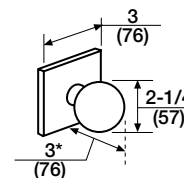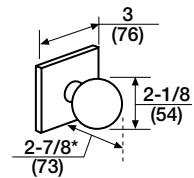
2-1/4
(57)

2
(51)

2-3/4*
(64)

2-7/8
(73)

2
(51)

2-3/4*
(64)

GSA
GSB

GSF

GRE
Knob: Wrought reinforced
Rose: Wrought reinforced

GWE
Knob: Wrought
Rose: Wrought reinforced

3
(76)

2-1/4
(57)

3*
(76)

3
(76)

2-1/8
(54)

2-7/8*
(73)

GRE

GWE

ML2000.30

*Dimension from face of door, not surface of rose or escutcheon.

GRM[1]
Knob: Wrought reinforced
Escutcheon: Wrought

GSM[1]
Knob: Cast
Escutcheon: Wrought

GWM[1]
Knob: Wrought
Escutcheon: Wrought

GRM — 2-1/4 (57), 7-1/2 (190), 2-1/4 (57), 3* (76)
GSM — 2-1/4 (57), 7-1/2 (190), 2 (51), 2-7/8* (73)
GWM — 2-1/4 (57), 7-1/2 (190), 2-1/8 (54), 2-7/8* (73)
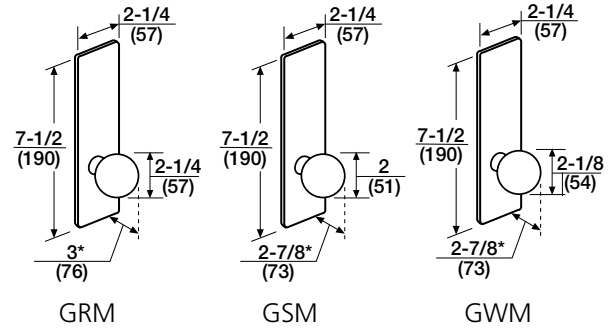
GRN
Knob: Wrought reinforced
Escutcheon: Wrought

GSN
Knob: Cast
Escutcheon: Wrought

GWN
Knob: Wrought
Escutcheon: Wrought

GRN — 2-1/4 (57), 7-1/2 (190), 2-1/4 (57), 3* (76)
GSN — 2-1/4 (57), 7-1/2 (190), 2 (51), 2-3/4* (70)
GWN — 2-1/4 (57), 7-1/2 (190), 2-1/8 (54), 2-7/8* (73)
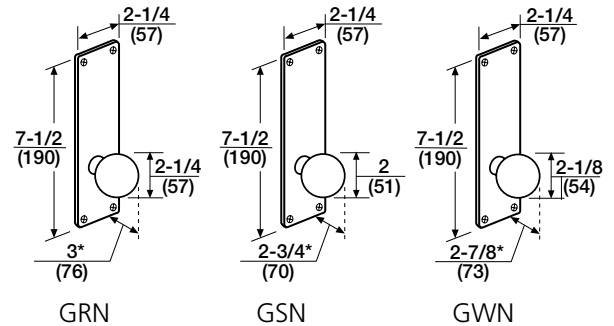
GRP
Knob: Wrought reinforced
Escutcheon: Wrought

GSP
Knob: Cast
Escutcheon: Wrought

GWP
Knob: Wrought
Escutcheon: Wrought

GRP — 1-5/8 (41), 7 (178), 2-1/4 (57), 3* (76)
GSP — 1-5/8 (41), 7 (178), 2 (51), 2-7/8* (73)
GWP — 1-5/8 (41), 7 (178), 2-1/8 (54), 2-3/4* (70)
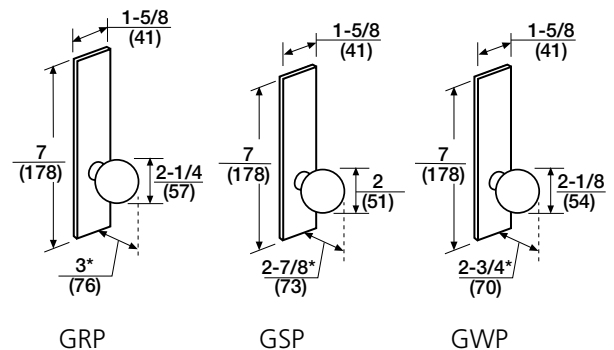
GSR[1,2]
Knob: Cast
Escutcheon: Solid stainless steel; forged brass

GRR[1,2]
Knob: Wrought reinforced
Escutcheon: Solid stainless steel; forged brass

GWR[1,2]
Knob: Wrought
Escutcheon: Solid stainless steel; forged brass
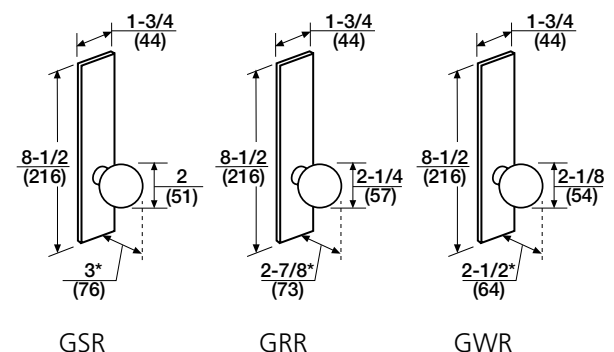
GSR — 1-3/4 (44), 8-1/2 (216), 2 (51), 3* (76)
GRR — 1-3/4 (44), 8-1/2 (216), 2-1/4 (57), 2-7/8* (73)
GWR — 1-3/4 (44), 8-1/2 (216), 2-1/8 (54), 2-1/2* (64)

1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
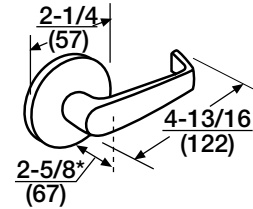*Dimension from face of door, not surface of rose or escutcheon.

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ML2000.31
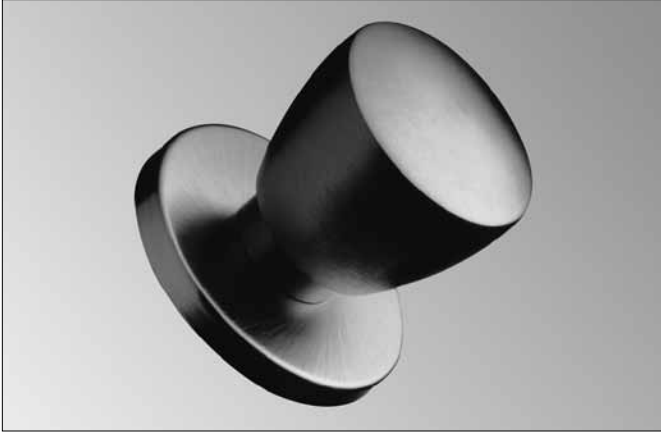
Belmont
Brass, bronze or stainless steel

BRC
Knob: Wrought reinforced
Rose: Wrought reinforced
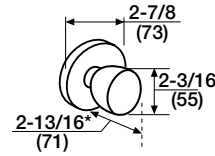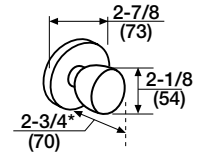
BWC
Knob: Wrought
Rose: Wrought reinforced

2-7/8 (73) 2-3/16 (55) 2-13/16* (71)

2-7/8 (73) 2-1/8 (54) 2-3/4* (70)

BRC   BWC

BRD
Knob: Wrought reinforced
Rose: Wrought reinforced

BWD
Knob: Wrought
Rose: Wrought reinforced

3-1/2 (89) 2-3/16 (55) 2-13/16* (71)

3-1/2 (89) 2-1/8 (54) 2-3/4* (70)

BRD   BWD

BRE
Knob: Wrought reinforced
Rose: Wrought reinforced

BWE
Knob: Wrought
Rose: Wrought reinforced

3 (76) 2-3/16 (55) 2-13/16* (71)

3 (76) 2-1/8 (54) 2-3/4* (70)

BRE   BWE

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*Dimension from face of door, not surface of rose or escutcheon.

ML2000.32

Corbin Russwin
ASSA ABLOY
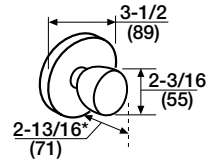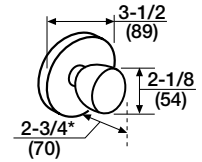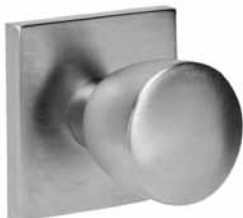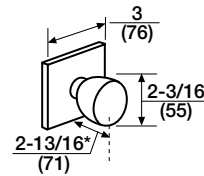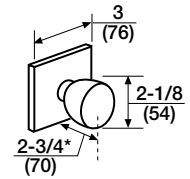
BRM[1]
Knob: Wrought reinforced
Escutcheon: Wrought

BWM[1]
Knob: Wrought
Escutcheon: Wrought

BRM — 2-1/4 (57), 7-1/2 (190), 2-3/16 (55), 2-13/16* (71)
BWM — 2-1/4 (57), 7-1/2 (190), 2-1/8 (54), 2-3/4* (70)
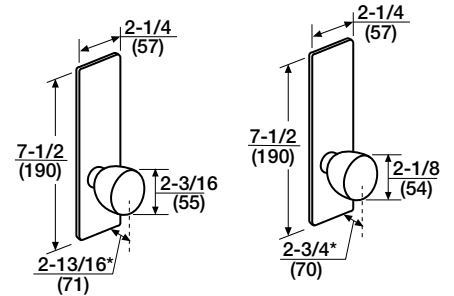
BRN
Knob: Wrought reinforced
Escutcheon: Wrought

BWN
Knob: Wrought
Escutcheon: Wrought

BRN — 2-1/4 (57), 7-1/2 (190), 2-3/16 (54), 2-13/16* (71)
BWN — 2-1/4 (57), 7-1/2 (190), 2-1/8 (54), 2-3/4* (70)
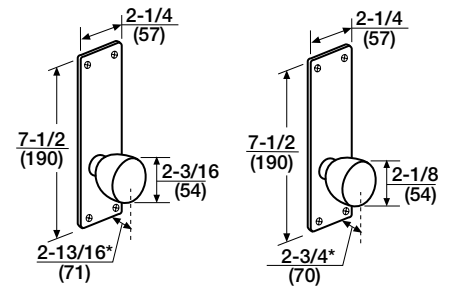
BRP
Knob: Wrought reinforced
Escutcheon: Wrought

BWP
Knob: Wrought
Escutcheon: Wrought

BRP — 1-5/8 (41), 7 (178), 2-3/16 (55), 2-13/16* (71)
BWP — 1-5/8 (41), 7 (178), 2-1/8 (54), 2-3/4* (70)
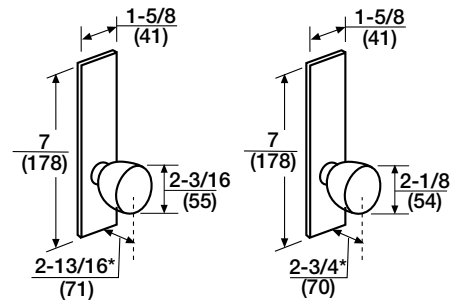
BRR[1,2]
Knob: Wrought reinforced
Escutcheon: Solid stainless steel;
forged brass

BWR[1,2]
Knob: Wrought
Escutcheon: Solid stainless steel;
forged brass
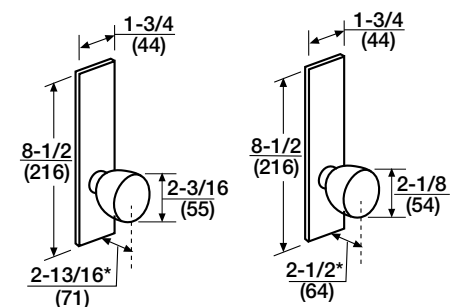
BRR — 1-3/4 (44), 8-1/2 (216), 2-3/16 (55), 2-13/16* (71)
BWR — 1-3/4 (44), 8-1/2 (216), 2-1/8 (54), 2-1/2* (64)

1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

*Dimension from face of door, not surface of rose or escutcheon.

Yankee

Brass, bronze or stainless steel

YWA

Knob: Wrought
Rose: Wrought

YWB

Knob: Wrought
Rose: Cast

2-1/4 (57)
2-1/4 (57)
2-1/4* (57)

YWF

Knob: Wrought
Rose: Cast

2-7/8 73
2-1/4 (57)
2-1/4* (57)
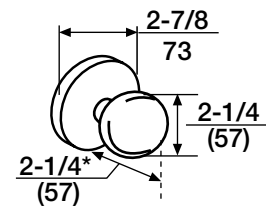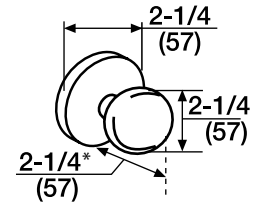
YWM

Knob: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring
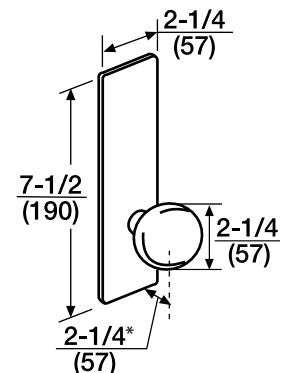
2-1/4 (57)
7-1/2 (190)
2-1/4 (57)
2-1/4* (57)

*Dimension from face of door, not surface of rose or escutcheon.

Corbin Russwin ASSA ABLOY

YWN
Knob: Wrought
Rose: Wrought

2-1/4 (57)
7-1/2 (190)
2-1/4 (57)
2-1/4* (57)
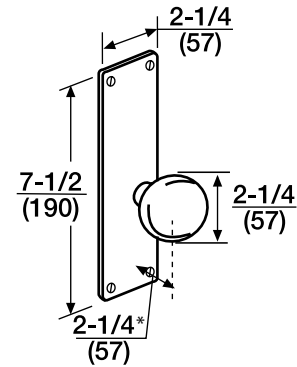
YWP
Knob: Wrought
Escutcheon: Wrought

1-5/8 (41)
7 (178)
2-1/4 (57)
2-1/4* (57)
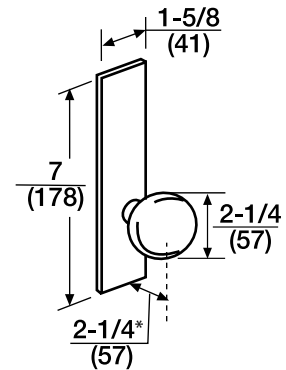
YWR
Knob: Wrought
Escutcheon: Solid stainless steel or forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
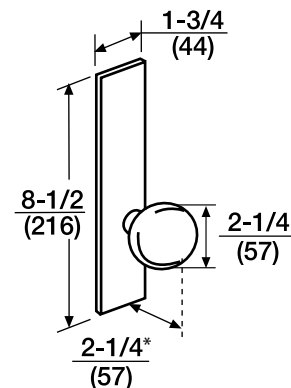
1-3/4 (44)
8-1/2 (216)
2-1/4 (57)
2-1/4* (57)

*Dimension from face of door, not surface of rose or escutcheon.

Muséo® Collection Roses[1] and Escutcheons

V Rose
Wrought
2-3/4"
69.85mm

U Rose
Wrought
2-3/4"
69.85mm

T Rose
Wrought
2-3/4"
69.85mm

E2 Rose[2]
Wrought
2-11/16
68.26mm

2-3/16"
55.56mm

9-3/16"
233.36mm
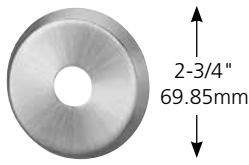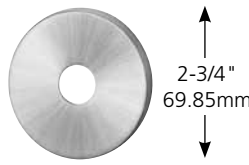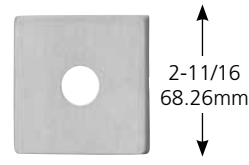
L Escutcheon
Cast Brass

Y Rose
Wrought
2-3/16"
55.56mm

W Rose
Wrought
2-5/16"
58.97mm

X Rose
Wrought
2-1/8"
53.98mm

E3 Rose[2]
Wrought
2-1/16
52.39mm

1-3/4"
44.45mm

8-1/2"
215.9mm
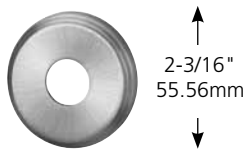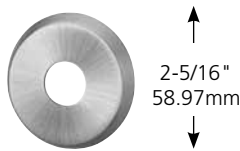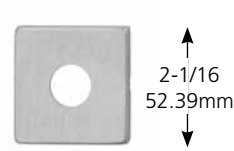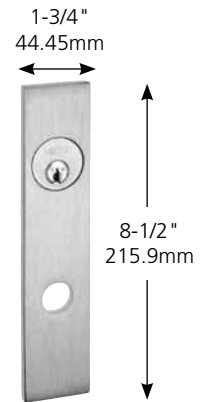
R Escutcheon
Solid Stainless Steel
or Forged Brass

Thumbturns[3]

MT1
1-1/2" dia
38.1mm

MT2
1-1/2"
38.1mm

MT3
1-1/2" dia
38.1mm

Inspire™ Roseless Trim

3/4"
19mm

1-1/2"
38.1mm

3/4"

1-1/2"
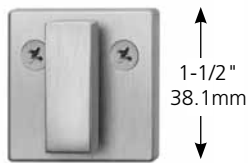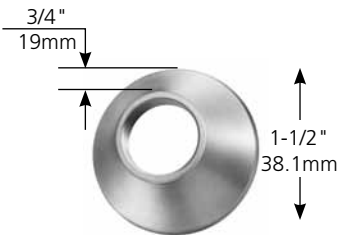
Brass or Stainless Steel
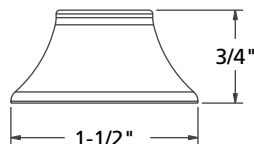
Notes:
1. Roses and Inspire trim are only available with *Muséo* levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

MUSÉO.

Inspire™ Roseless Trim

Inspire roseless trim blends the lever and the door creating an artful approach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:
- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with all mortise lock functions
- Compatible with most *Muséo* Collection levers (except 104,111,113, 121 and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available
- Available for 1-3/8", 1-3/4", and 2-1/4" thick doors only (contact factory for other door thicknesses)

Exploded view of the ML2000 lockbody with *Inspire* roseless trim
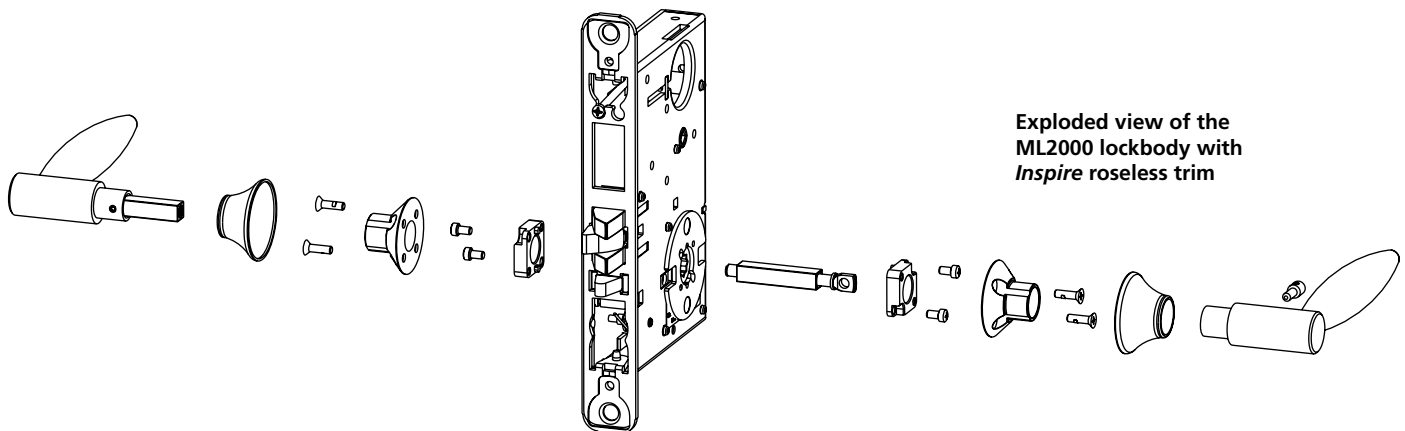
How to Order
Inspire Roseless Trim

Quantity	Series/Function	Trim*	Finish	Hand
50	ML2055	102J	626	RHR

*Specify J for the rose when ordering *Inspire* roseless trim.

MUSÉO®

Georgia
Timeless elegance in forms inspired by the natural world.

101[2/3]
Lever: Cast
Non-Handed lever

4 1/2"
114.3mm

2 1/4"
57.03mm

102
Lever: Cast
Non-Handed lever

4 29/32"
124.6mm

2 17/32"
64.52mm

103
Lever: Cast
Non-Handed lever

4 3/8"
111.1mm

2 1/2"
63.5mm
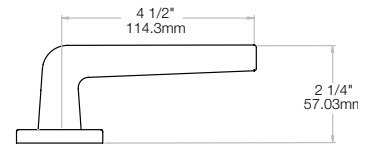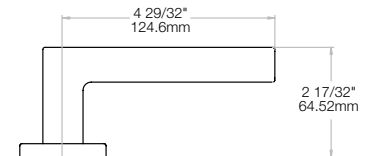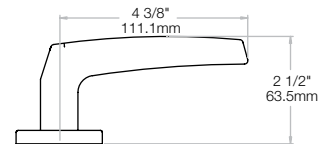
104[2]
Lever: Cast
Non-Handed lever

3 29/32"
99.2mm

2 3/16"
55.75mm

124[1]
Lever: Cast
Non-Handed lever

4 5/8"
117.5mm

3/8"
9.5mm

2 3/4"
69.85mm

125[1]
Lever: Cast
Non-Handed lever

4 7/8"
123.8mm

3/8"
9.5mm

2 11/16"
68.3mm

---

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.
3. Contact factory for current lead times.

ASSA ABLOY, the global leader in door opening solutions

45300-3/15

MUSÉO

Pablo

Diminutive, yet distinctive and striking in style.

117

Lever: Cast
Non-Handed lever

3 7/8"
98.4mm

2 15/32"
62.47mm
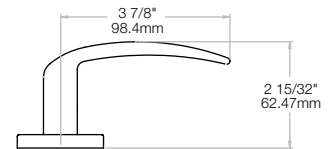
126[1]

Lever: Cast
Handed - Specify hand
Non-Reversible

4 3/4"
120.7mm

3/8"
9.5mm

2 7/8"
73.02mm

---

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

MUSÉO®

Jackson
Intuitive shapes, moving with the energetic rhythm of modern life.

105³
Lever: Cast
Non-handed lever
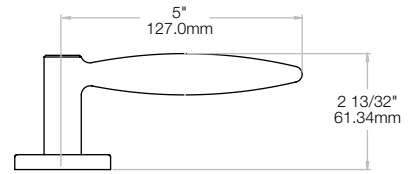
5"
127.0mm

2 13/32"
61.34mm

119
Lever: Cast
Handed - Specify hand
Non-Reversible
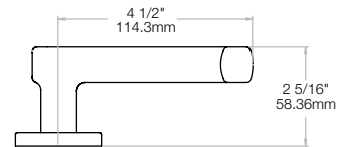
4 1/2"
114.3mm

2 5/16"
58.36mm

121²
Lever: Cast
Handed - Specify hand
Non-Reversible
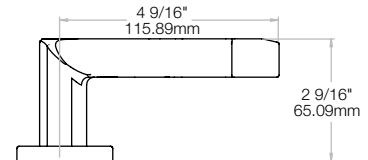
4 9/16"
115.89mm

2 9/16"
65.09mm

122
Lever: Cast
Handed - Specify hand
Non-Reversible

4 5/8"
117.5mm

2 3/4"
69.85mm

127¹
Lever: Cast
Handed - Specify hand
Non-Reversible

4 3/4"
120.7mm

3/8"
9.5mm

2 15/16"
74.6mm

1. **Complies with codes requiring lever to return to within 1/2" (13mm) of door face.**
2. **Not available with Inspire™ roseless trim.**
3. **Contact factory for current lead times.**

ML2000.40

ASSA ABLOY, the global leader in door opening solutions

45300-3/15

MUSÉO

Salvador
Dreamlike beauty manifested in solid, familiar forms.

106
Lever: Cast
Non-handed lever

4 7/8"
123.8mm

2 1/2"
63.5mm

107
Lever: Cast
Non-handed lever

4 5/16"
109.54mm

2 9/16"
65.09mm
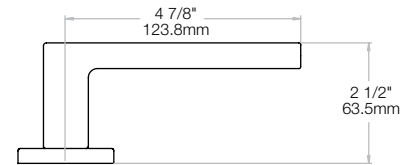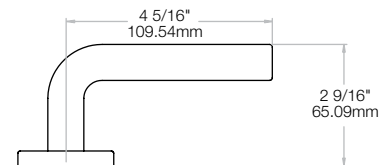
108
Lever: Cast
Non-handed lever

4"
101.6mm

2 13/16"
71.44mm
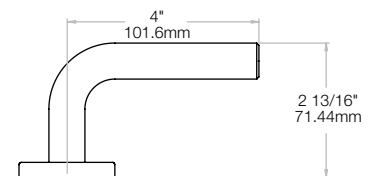
Muséo® Collection Trim Designs

ML2000 and ML20900 ECL

MUSÉO.

Salvador
Dreamlike beauty manifested in solid, familiar forms.

	109 Lever: Cast Non-Handed lever	 4 3/4" 120.7mm 2 15/32" 62.59mm
	110 Lever: Cast Non-handed lever	 5" 127.0mm 2 19/32" 65.79mm
	123[1] Lever: Cast Non-handed lever	 4 1/2" 114.3mm 7/16" 11.11mm 2 1/2" 63.5mm
	128[1] Lever: Cast Non-handed lever	 4-5/8" 117.86mm 3/8" 9.53mm 2-13/16" 71.37mm
	129[1] Lever: Cast Non-handed lever	 4-19/32" 116.90mm 7/16" 11.02mm 2-15/32" 62.74mm
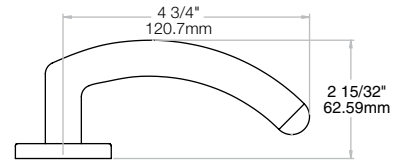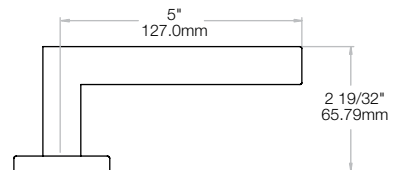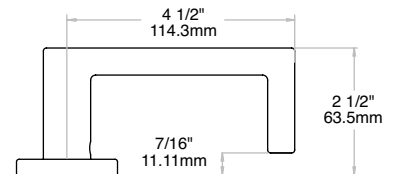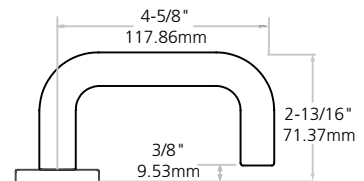
1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

MUSÉO

Marc
Fluid lyricism expressed through whimsical lines and dynamic contours.

111²
Lever: Cast
Handed - Specify hand
Non-Reversible

4 3/16"
106.4mm

2 1/8"
53.59mm

112
Lever: Cast
Handed - Specify hand
Non-Reversible

4 21/32"
118.3mm

2 3/4"
69.85mm

113²
Lever: Cast
Handed - Specify hand
Non-Reversible

4 5/8"
117.5mm

3"
76.08mm

2 3/4"
69.85mm

114
Lever: Cast
Handed - Specify hand
Non-Reversible

4 1/2"
114.30mm

2 21/32"
67.29mm

2 15/32"
62.34mm

---

2. Not available with Inspire™ roseless trim.

MUSÉO.

Marc
Fluid lyricism expressed through whimsical lines and dynamic contours.

115
Lever: Cast
Handed - Specify hand
Non-Reversible

4 5/16"
109.54mm

3 1/16"
78.10mm

116
Lever: Cast
Handed - Specify hand
Non-Reversible

4 11/16"
119.06mm

2 7/8"
73.02mm

120[3]
Lever: Cast
Handed - Specify hand
Non-Reversible

2 27/32"
71.88mm

130[1]
Lever: Cast
Handed - Specify hand
Non-Reversible

4 1/2"
114.3mm

3/8"
9.5mm

2 15/16"
74.6mm

131[1]
Lever: Cast
Handed - Specify hand
Non-Reversible

4 3/4"
120.7mm

3/8"
9.5mm

2 7/8"
73.02mm

132[1]
Lever: Cast
Handed - Specify hand
Non-Reversible

4 15/16"
125.4mm

3/8"
9.5mm

2 7/8"
73.02mm

---

1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
3. Contact factory for current lead times

ML2000.44

MUSÉO.

Piet*
Striking levers with sleek, clean lines.

* **Refer to page 68 for how to order the Muséo® Piet Lever Collection. Not available with Inspire™ roseless trim.**

21G
Grooved Insert
Lever: Stainless Steel
Non-Handed Lever

5 1/4"
133.35mm

3 3/32"
78.58mm
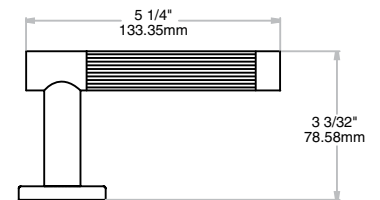
21L
Leather Insert
Lever: Cast
Non-Handed Lever

5-1/4"
133.35mm

3-3/32"
78.58mm
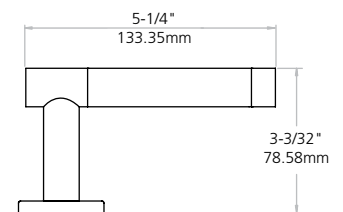
21M
Polished with Satin Insert
Lever: Cast
Non-Handed Lever

5-1/4"
133.35mm

3-3/32"
78.58mm
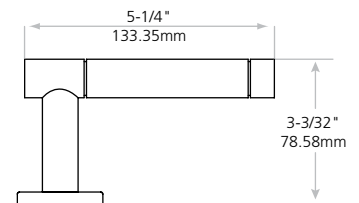
21S
Santoprene™ Insert
Lever: Cast
Non-Handed Lever

5-1/4"
133.35mm

3-3/32"
78.58mm
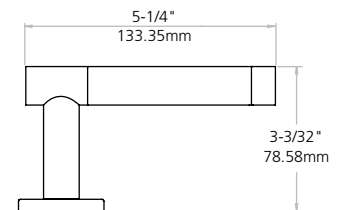
21W
Wood Insert
Lever: Cast
Non-Handed Lever

5-1/4"
133.35mm

3-3/32"
78.58mm

MUSÉO.

Piet*
Striking levels with sleek, clean lines.

* Refer to page 68 for how to order the Muséo® Piet Lever Collection.
  Not available with Inspire™ roseless trim.

23M
With Raised Band
Lever: Cast
Non-Handed Lever

5-1/4 "
133.35mm

3-3/32 "
78.58mm
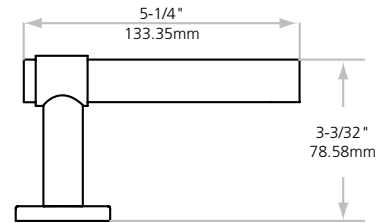
25M
Plain
Lever: Cast
Non-Handed Lever

5-1/4 "
133.35mm

3-3/32 "
78.58mm
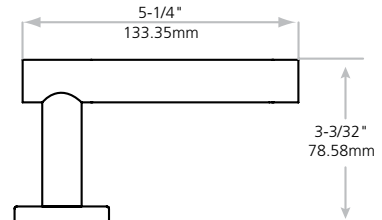
27M
Plain with Two Grooves
Lever: Stainless Steel
Non-Handed Lever

5 1/4"
133.35mm

3 3/32"
78.58mm

Corbin Russwin
ASSA ABLOY
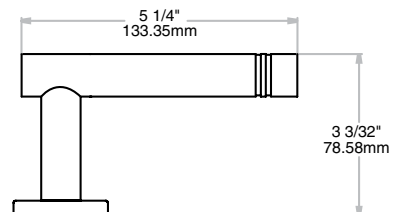
Vineyard™ collection

Merlot
Like its namesake, the Merlot blends with — and enhances — any decor.

MSG
Lever: Cast
Rose: Cast

2-9/16"
(65mm)

4-3/4"
(121mm)

2-5/8"
(67mm)
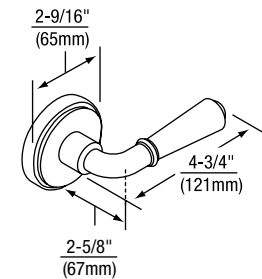
MSL
Lever: Cast
Escutcheon: Cast

2-3/16"
(56mm)

9-3/16"
(233mm)

4-3/4"
(121mm)

2-1/2"
(64mm)
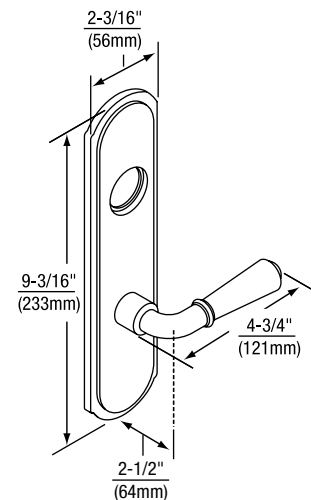
Vineyard™ *collection* V

Frascati
Fresh yet classic, the Frascati exudes the casual, timeless elegance of the Roman hills.
• Handed Levers

FSG
Lever: Cast
Rose: Cast
Specify hand.
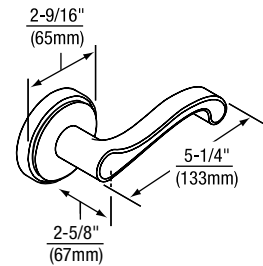
2-9/16"
(65mm)

5-1/4"
(133mm)

2-5/8"
(67mm)

FSL
Lever: Cast
Escutcheon: Cast
Specify hand.

2-3/16"
(56mm)

9-3/16"
(233mm)

5-1/4"
(133mm)

2-1/2"
(64mm)

ASSA ABLOY, the global leader in door opening solutions
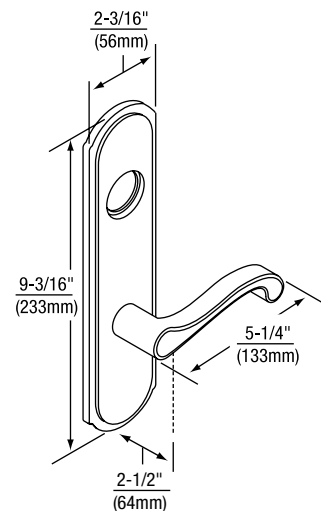
Vineyard™ collection

Zinfandel

Vigorous and complex in design, the Zinfandel adds finesse to any opening.

• Handed Levers

ZSG
Lever: Cast
Rose: Cast
Specify hand.

2-9/16"
(65mm)

4-13/16"
(122mm)

2-5/8"
(67mm)
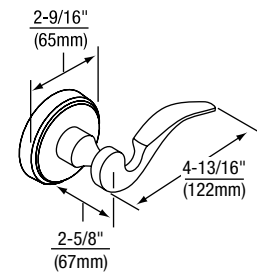
ZSL
Lever: Cast
Escutcheon: Cast
Specify hand.

2-3/16"
(56mm)

9-3/16"
(233mm)

4-13/16"
(122mm)

2-1/2"
(64mm)
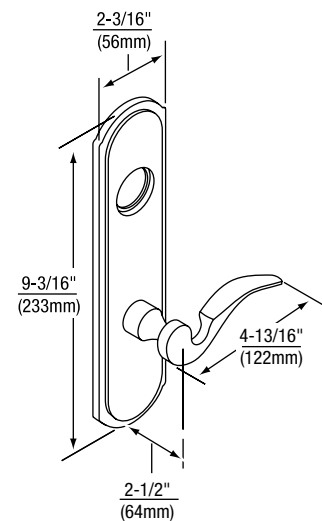
Vineyard™ V
collection

Tuscany

In true Renaissance spirit, the Tuscany brings balance and beauty to every interior.

TSG
Lever: Cast
Rose: Cast

2-9/16"
(65mm)

5-1/16"
(129mm)

2-5/8"
(67mm)

TSL
Lever: Cast
Escutcheon: Cast

2-3/16"
(56mm)

9-3/16"
(233mm)

5-1/16"
(129mm)

2-1/2"
(64mm)
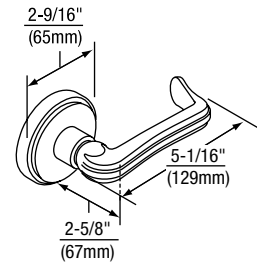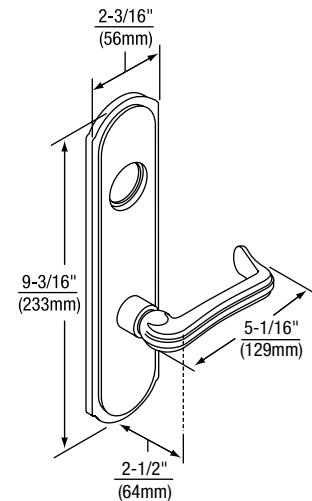
ML2000.50

ML2000HS High Security Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security than traditional mortise trim provide. Applications may include:

- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and knobs, double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- 1" throw 1-piece stainless steel deadbolt
- 10-year limited warranty

Surety
Brass or bronze

SST
Knob: Cast brass or bronze
Escutcheon: Cast brass or bronze
Optional: Blank inside escutcheon (M07)
Door thickness: 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm)

1-3/4 (44)
8-1/2 (216)
2-3/16 (55)
2-1/8* (54)
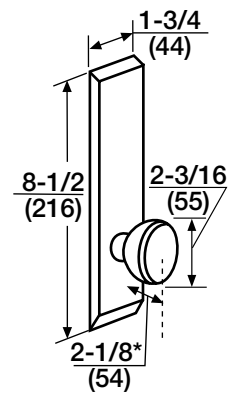
Note: This is the only trim that is available on the ML2000HS. It is not available on the standard ML2000 lockset.

ML2000VR Series Vandal-Resistant Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security and vandal resistance not found on other mortise trims. Applications may include:

- Schools and universities
- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and levers; double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- Free-floating spindle self-adjusts for door thicknesses from 1-3/4" to 2-1/4"
- Levers remain attached if spindle is broken

Newport

NSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214

[♿]

2-1/8 (54)
8-1/2 (216)
4-13/16 (122)
2-5/8* (67)
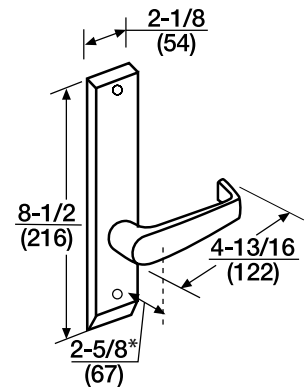
Citation

CSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214

[♿]

2-1/8 (54)
8-1/2 (216)
4-3/8 (111)
2-5/8* (67)
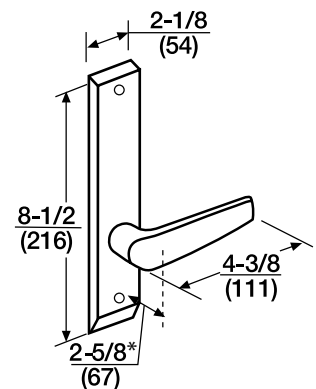
Notes: This trim only available for ML2000VR and ML20900VR locksets.
Only available in 630 (US32D) finish.

U.S. Patent Number: D 690,577

BHSS*

Part of the Behavioral Health Series™ of products, the ML2000 mortise lock with BHSS trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the ML2000 mortise lock allows its use in many applications.

Refer to the Specialty Hardware Catalog (45205) for more information.

BHSS
Stainless Steel

2-1/4 " (56mm)   7-1/4 " (183mm)

7-1/2 " (190mm)
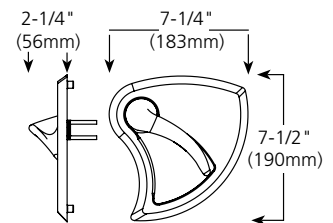
Thumbturn - BHSS
Stainless Steel
Door thickness: 1-3/4 " (44mm)
through 2-1/4 " (57mm)

(Not available with Occupancy Indicator)

2 " (51mm)

3/4 " (18mm)
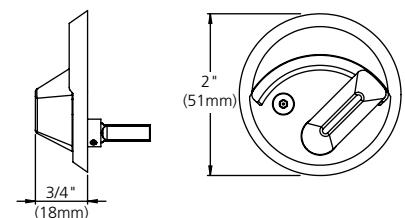
How to Order

BHSS

Quantity	Series/Function	Trim	Finish**	Hand
100	ML2010	BHSS	630	RHR

** *BHSS is not available in 625 (Bright Chrome) or 626 (Satin Chrome) finishes. Please order 629 (Bright Stainless Steel) or 630 (Satin Stainless Steel) instead.*

Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

BLSS*

The BLSS trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the ML2000 mortise lock provides impressive strength and reliability.

Refer to the Specialty Hardware Catalog (45205) for more information.

BLSS
Stainless Steel

6"
(152mm)
3"
(76mm)
2-1/4"
(56mm)
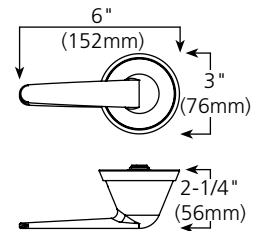
Thumbturn - BLSS
Stainless Steel
Door thickness: 1-3/4" (44mm)
through 2-1/4" (57mm)

(Not available with Occupancy Indicator)

1"
(25mm)
1-3/4"
(44mm)
1-3/4"
(44mm)
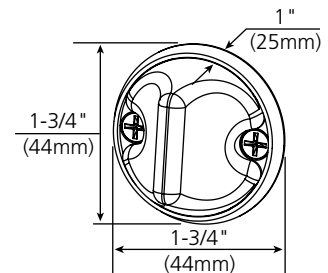
How to Order

BLSS

Quantity	Series/Function	Trim	Finish**	Hand
100	ML2010	BLSS	630	RHR

*** BLSS is not available in 625 (Bright Chrome) or 626 (Satin Chrome) finishes. Please order 629 (Bright Stainless Steel) or 630 (Satin Stainless Steel) instead.*

*Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

HPSK

The ML2000 mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 mortise lock ideal for use in healthcare facilities and educational facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.

U.S. Patent Numbers: D646,548S; D646,549S

HPSK

Covers: Cast stainless steel or brass
Paddles: Cast stainless steel or brass
Specify hand.

6"
(152mm)

5-1/4"
(134mm)

2-3/4"
(70mm)

2-4/5"
(71mm)
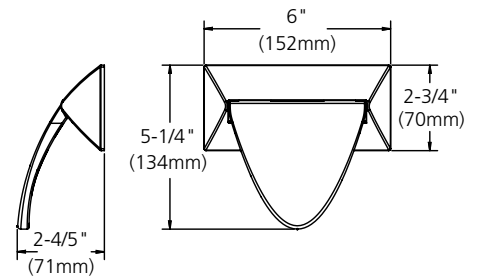
Thumbturn - HPSK

Brass or Stainless Steel
Door thickness: 1-3/4" (44mm) through 2-1/4" (57mm).

(Not available with Occupancy Indicator)

2"
(50mm)

2-3/4"
(70mm)

7/8"
(22mm)
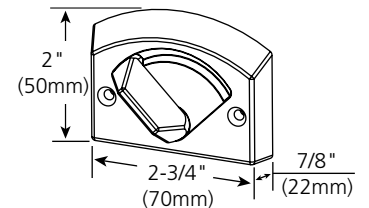
How to Order

HPSK Push/Pull

Quantity	Series/Function	Trim	Finish*	Hand
100	ML2010	HPSK	630	RHR

* HPSK is not available in 625 (Bright Chrome) or 626 (Satin Chrome) finishes. Please order 629 (Bright Stainless Steel) or 630 (Satin Stainless Steel) instead.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000

Anti-Harm Knob HSS

The anti-harm knob is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.

Anti-Harm Knob HSS

Brass

Knob: Brass
Door thickness: 1-3/4" (44mm) through 4" (102mm) in 1/4" increments.
Finishes: 606, 626, and 626C

Notes: On lever trim x HSS Knob, the outside lever will be retained with a set screw.
HSS Knob is only available with the rose shown. No optional roses or escutcheons.

2-3/4" (70)
1-7/8" (48)
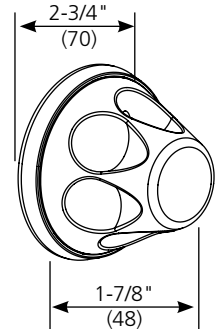
Thumbturn - HSS

Standard for all ML2000 x HSS thumbturn functions

(Not available with Occupancy Indicator)

1" (25mm)
1-3/4" (44mm)
1-3/4" (44mm)
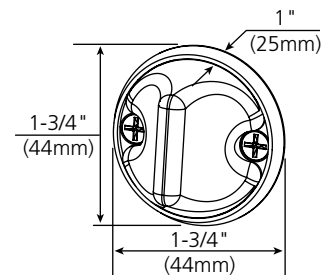
How to Order

Anti-Harm Knob (HSS) Trim – HSS Knob x HSS Knob

Quantity	Series/Function	Trim	Finish	Hand
6	ML2032	HSS	626	RH

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	626C	RH

ML2000.56

ASSA ABLOY, the global leader in door opening solutions

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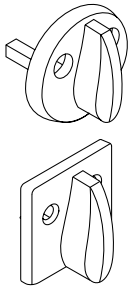
Standard Thumbturn

Cast brass or bronze. Standard on functions utilizing thumbturn. Sectional Trim.
Turn Size: 1-1/4" (32mm)
Spindle Size: 3/16" (5mm)
Plate Size: 1-3/8" (35mm)
Surface screw mounted To order separately, see table.
- Round backplate and standard turn default for all round roses.
- Square backplate and standard turn default for E2 and E3 roses.

Door	Packet	
	Round	Square
1-3/8" (35mm)	519F09 x FIN	814F10 x FIN
1-3/4" (44mm)	519F10 x FIN	814F11 x FIN
2-1/4" (57mm)	519F11 x FIN	814F12 x FIN
Up to 4" (102mm)	581F96 x FIN	814F13 x FIN
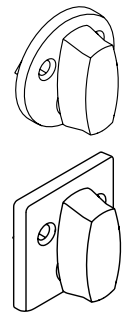
Decorative Thumbturn MT1

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT1.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)
- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F70M x FIN	723F71M x FIN
1-3/4" (44mm)	723F76M x FIN	723F77M x FIN
2-1/4" (57mm)	723F88M x FIN	723F89M x FIN
Up to 4" (102mm)	723F82M x FIN	723F83M x FIN
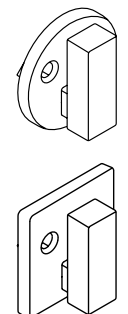
Decorative Square Thumbturn MT2

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT2.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)
- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F72M x FIN	723F73M x FIN
1-3/4" (44mm)	723F78M x FIN	723F79M x FIN
2-1/4" (57mm)	723F90M x FIN	723F91M x FIN
Up to 4" (102mm)	723F84M x FIN	723F85M x FIN
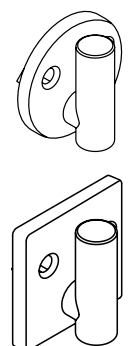
Decorative Cylinder Thumbturn MT3

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order with lock and trim, specify Quick Code MT3.
To order separately, see table.
Turn Size: 1-3/10" (33mm)
Plate Size: 1-1/2" (38.1mm)
- Available with Standard, Muséo and Vineyard levers
- Rose design will designate shape of thumbturn backplate
  - Round roses - round backplate
  - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F74M x FIN	723F75M x FIN
1-3/4" (44mm)	723F80M x FIN	723F81M x FIN
2-1/4" (57mm)	723F92M x FIN	723F93M x FIN
Up to 4" (102mm)	723F86M x FIN	723F87M x FIN
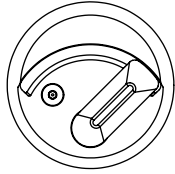
BHSS Thumbturn*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-1/4" (57mm) diameter

Door	Packet
1-3/4" (44mm)	813F177 x FIN
2" (51mm)	813F187 x FIN
2-1/4" (57mm)	813F097 x FIN
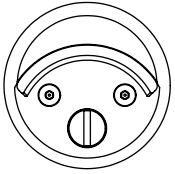
BHSS Emergency Turn*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-1/4" (57mm) diameter

Door	Packet
1-3/4" (44mm)	813F747 x FIN
2" (51mm)	813F757 x FIN
2-1/4" (57mm)	813F767 x FIN
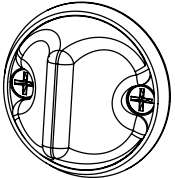
BLSS & HSS Thumbturn*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order, see table.
Plate Size: 1-3/4" (44mm) diameter

Door	Packet
1-3/4" (44mm)	723F04 x FIN
2" (51mm)	723F05 x FIN
2-1/4" (57mm)	723F06 x FIN
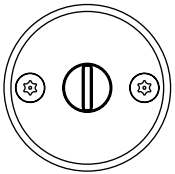
BLSS & HSS Emergency Turn*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 1-3/4" (44mm) diameter

Door	Packet
1-3/4" (44mm)	813F92M x FIN
2" (51mm)	813F93M x FIN
2-1/4" (57mm)	813F94M x FIN
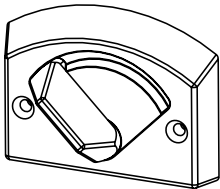
HPSK Thumbturn*

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.
To order, see table.
Plate Size: 2-3/4" (70mm) x 2" (50mm)

Door	Packet
1-3/4" - 2"	811F91M x FIN
2-1/4"	811F92M x FIN
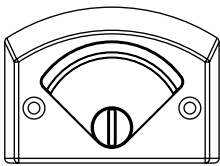
HPSK Emergency Turn*

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-3/4" (70mm) x 2" (50mm)

Door	Packet
1-3/4" - 2"	812F97M x FIN
2-1/4"	812F98M x FIN

* Not available with Occupancy Indicators
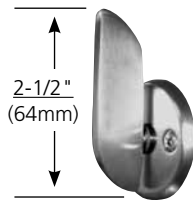
Ergonomic Thumbturn

Cast brass or bronze. Large profile and offset center makes it easier to grasp and rotate. Available on both sectional and escutcheon trim. To order with lock and trim, specify Quick Code M34. To order separately, see table.

Note: Not available with the M19N, M19SN, or M19VN indicators. Not available with HPSK trim.

2-1/2" (64mm)

Door	Packet
Escutcheon Trim up to 4" (102mm)	711F002
Sectional Trim	
1-3/8" (35mm) - 1-5/8" (41mm)	707F57 x FIN
1-3/4" (44mm) - 2" (51mm)	707F58 x FIN
2" (51mm - 2-1/4" (57mm)	707F59 x FIN
2-3/8" (60mm) - 3" (76mm)	707F60 x FIN
3" (76mm) - 4" (102mm)	706F70 x FIN
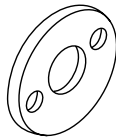
Key Plate

Cast brass or bronze. Standard for privacy function with emergency release only. Sectional Trim.
Plate Size: 1-3/8" (35mm) diameter. To order separately, specify Packet 438F90 x Finish.
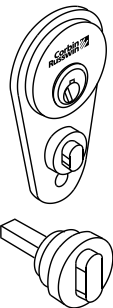
Hotel Occupancy Indicators

For use with ML2029 hotel locks. Furnished only when ordered. When door is locked from inside, push button cannot be depressed, indicating that the room is occupied. To order specify quick code M19. For use with sectional trim designs having 2-7/8" (73mm) maximum rose diameter. Cylinder collar and indicator combined.
Size: 3-1/16" (78mm) x 1-3/4" (44mm). To order separately, see table. For use with escutcheon designs only. Indicator is fastened to escutcheon at factory. It is included for illustration purposes only and is not sold separately.

Collar and Indicator Assembly	
Door	Packet
1-3/8" (35mm)	429F08 x FIN
1-3/4" (44mm)	416F84 x FIN
2-1/4" (57mm)	484F74 x FIN
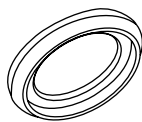
Tapered Cylinder Collar

Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.*

*1-3/4" thick doors. Only used with VR trims.
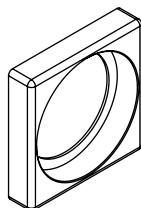
Square Cylinder Collar

Included when ordering Muséo® E2 and E3 square roses.
Used on all cylinder functions.
Size: 1.625" square
Contact TPS to determine correct collar size.

Occupancy Indicators*

Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non keyed functions.

Features:

- Design eliminates unauthorized entry via indicator tampering
- Non keyed indicators available with emergency slot turn override
- Use with both keyed and non-keyed functions
- For use outside, inside or both sides of door
- Choose outside indicator text: Vacant/Occupied or Secure/Unsecure
- Inside indicators always read Secure/Unsecure
- Torx pin security fasteners (standard with cylinder indicators)
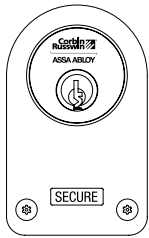
Indicators – Keyed Functions

- Can be used on either side of door for double cylinder functions
- Compatible with select sectional trim rose designs: A, B, W, X, Y

Secure		Vacant	
Door	Packet	Door	Packet
1-3/8" (35mm)	720F21 x Finish	1-3/8" (35mm)	741F21 x Finish
1-3/4" (44mm) - 2" (51mm)	720F22 x Finish	1-3/4" (44mm) - 2" (51mm)	741F22 x Finish
2-1/4" (57mm)	720F24 x Finish	2-1/4" (57mm)	741F23 x Finish
Over 2-1/4" (57mm)	720F25 x Finish	Over 2-1/4" (57mm)	741F24 x Finish
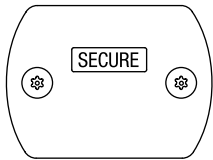
Inside Indicator
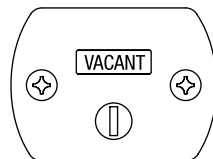
Outside Indicator

Indicators – Non Keyed Functions

- Inside Indicator always reads Secure/Unsecure
- Outside Indicator features slot-turn emergency override
- Compatible with all sectional trim rose designs: A, B, C, D, E, F, G, T, U, V, W, X, Y

Secure		Vacant	
Door	Packet	Door	Packet
1-3/8" (35mm)	721F16 x Finish	1-3/8" (35mm)	720F61 x Finish
1-3/4" (44mm) - 2" (51mm)	721F17 x Finish	1-3/4" (44mm) - 2" (51mm)	720F62 x Finish
2-1/4" (57mm)	721F18 x Finish	2-1/4" (57mm)	720F64 x Finish
Over 2-1/4" (57mm)	721F19 x Finish	Over 2-1/4" (57mm)	720F65 x Finish

Thumbturn Indicator

- Located on the inside of the door and reads secure/unsecure
- Built into the occupancy indicator
- Only available in ML2013, ML2017, ML2020, ML2024, ML2029, ML2030, ML2048, ML2060, ML2065, ML2067, ML2068, ML2069 and ML2075 functions

Door	Packet
1-3/8" (35mm)	723F69 x Finish
1-3/4" (44mm) - 2" (51mm)	723F26 x Finish
2-1/4" (57mm)	791F59 x Finish
Over 2-1/4" (57mm)	791F60 x Finish
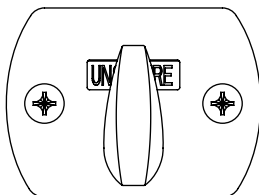
Not available with BHSS or BLSS Trim

Occupancy Indicator Quick Codes and Functions

Quick Code	Outside	Inside	ML2002	ML2003	ML2011	ML2012	ML2013	ML2017	ML2020	ML2022	ML2024	ML2029	ML2030	ML2048	ML2059	ML2060	ML2062	ML2065	ML2067	ML2068	ML2069	ML2072	ML2073	ML2075	ML2082	ML2092
Single Indicator																										
M19S	Secure/Unsecure	—	X	X	X	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
M19V	Vacant/Occupied	__	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M19N	—	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Double Indicator																										
M19SN	Secure/Unsecure	Secure/Unsecure	X	X	X	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
M19VN	Vacant/Occupied	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

How to Order:

ML2060 x NSA x 626 x RH x M19V

Non keyed function x sectional trim x outside indicator with slot turn (text reads Vacant/Occupied)

ML2072 x NSA x 626 x RH x M19SN x PHS x KA

Double cylinder x sectional trim x outside indicator (Secure/Unsecure) x inside indicator (Secure/Unsecure) x keyed alike

Cylinders

2 nickel silver keys
Finishes: See Key Systems catalog

Interchangeable Core (I.C.)
Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside) Functions
Access 3® Patented	AP	1501-114-A01	1500-114-A02	1500-114-A01
Access 3® Security	AS	1601-114-A01	1600-114-A02	1600-114-A01
Access 3® High Security	AHS	1701-114-A01	1700-114-A02	1700-114-A01
Access 3® Patented IC	ACP	N/A	1580-114-A02	1580-114-A01
Access 3® Security IC	ACS	N/A	1680-114-A02	1680-114-A01
Access 3® High Security IC	ACHS	N/A	1788-114-A02	1788-114-A01
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01
Flex head 6-pin	FX6	1101-118-A01	1100-100-A02	1100-100-A01
Flex head 7-pin	FX7	N/A	1100-118-A02-7	1100-118-A01-7
Master ring**	MR	N/A	1060-118-A62	1060-118-A61
Master ring flex head**	FXM	N/A	1160-100-A62	1160-100-A61
Blockout	BO	N/A	1012-114-A02	1012-114-A01
Plug only to show-6-pin	P06	1201-114-A01	1200-118-A02	1200-118-A01
Plug only to show 7-pin	P07	N/A	1200-114-A02-7	1200-114-A01-7

To order optional cylinder with lockset, see Quick Codes, page 69.
To order cylinder separately, specify Part No. x Keyway x Finish
(e.g., 1000-118-A01 x L4 x 626).

(HS) Indicates cylinder is available with ML2000HS lockset.

(VR) Indicates function is available with vandal resistant ML2000VR lockset.

**Not available for ML2017, ML2029, ML2060, ML2061, ML2068, ML2069, ML2032 x MR, ML2000HS, ML2000VR, ML20900 and P escutcheons (all functions).
Note: Master ring cylinder meets ANSI/BHMA operational Grade 1.

Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M", "R", and "L" escutcheons. See individual trim designs for availability.
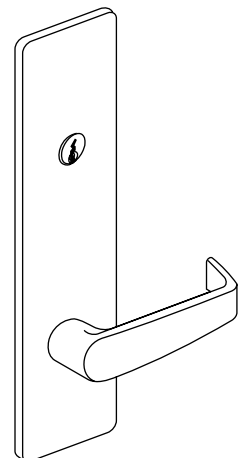
Strikes

ANSI Straight Lip (standard)
Brass, bronze or stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 7/8" (22mm), 1" (25mm), , 1-1/8" (29mm), 1-1/4" (32mm), 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)

ANSI Curved Lip
Brass, bronze or stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 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)
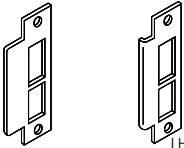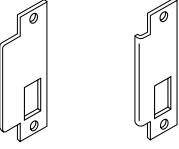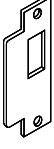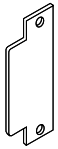
ANSI Wrought Strike Box
To order with lockset, see Quick Codes, page 70.
To order separately, specify 120F76.
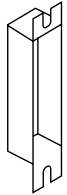
Open Back
Size: 5-1/4" (133mm) x 1/4" (32mm).

Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 70. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

Note: Only Available with ML2000

Latchbolt x Deadbolt   LH Shown

Latchbolt Only   LH Shown

Deadbolt Only

Blank Filler Plate

Part No.	Description
236L72	Straight Lip
340L60	Curved Lip for RH/LHR
340L61	Curved Lip for LH/RHR
236L73	Straight Lip
340L62	Curved Lip for RH/LHR
340L63	Curved Lip for LH/RHR
236L74	Straight Lip
236L70	Straight Lip

To order strike with lockset, see How to Order, page 66.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

Rabbeted Front and Strike
Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 70.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).
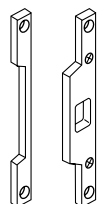
BPS Power Supply

Operation
Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features
• Fire panel emergency release input
• PC Board mounted system LED indicator
• Regulated and filtered with input and output protection
• Battery charging is provided from a separate output terminal

Electrical Specifications
• Inputs: 115VAC @600mA
• Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings
• UL & cUL listed 1012 General Purpose Power Supply
• Fire & Burglar Alarm Power Supply Unit URT2
• Releasing device Accessory SYSW
• Access Control Systems Units ALVY
• Burglar Alarm Systems Power Supply APHY

Applications
• D – Delayed Egress
• M97 – Electric Dogging
• SAF – Fail Safe mortise device trim control
• SEC – Fail Secure mortise device trim control
• ML20900

Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:
• Makes it easy to bring power to the locking hardware
• Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:
• ML20900 electrified mortise lock
• ASSA ABLOY Door Group pre-wired door, or ElectroLynx retrofit cable (order from McKinney)

• Electronic transfer device (ElectroLynx electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
• ElectroLynx cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.
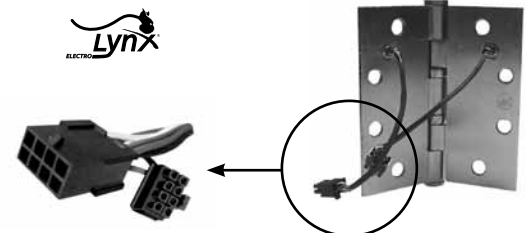
Exit Controls and Switches

Key Switches
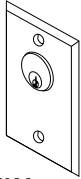
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

Specifications
- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons
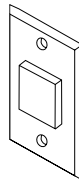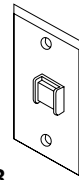
PB2   **PB3**

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications
- 3 Amps @ 12-24 VDC

Indicator
ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators
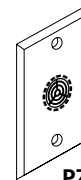
PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry
DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers
TSB B-C - Door Cord

Ordering Examples - ML2000 Series

LH — Left Hand

RH — Right Hand

LHR — Left Hand Reverse

RHR — Right Hand Reverse
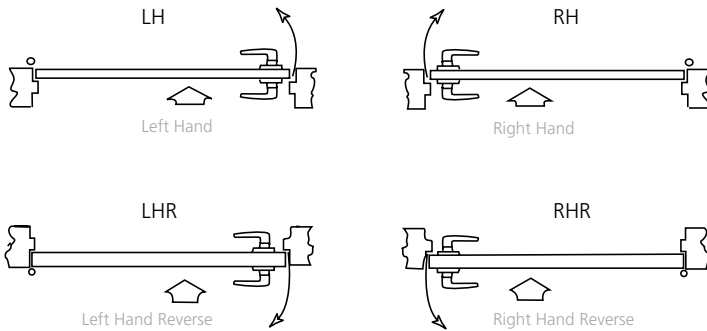
Note: Arrow indicates secure side of door.

Where to find ordering information and Quick Codes

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2055	LWA	626	RHR
50	ML2055HS	SST	626	LHR

Split Trim / Finish Order

Quantity	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	ML2055	LWA	GRC	626	625	RHR
6	ML2055HS	SST	—	626	606	LHR
12	ML2055	ZSL	—	626	625	RHR
24	ML2051	MSG	—	605	625	LH
12	ML2055	102U	—	626	606	RHR
24	ML2051	122R	110R	605	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	LWA	626	RHR	D214	SA200	M17-M26	C7	VKC3
12	AA1	ML2055HS	SST	626	LHR	D214	SS200	M07	C6	VKC1
6	AA1	ML2055VR	NSV	630	RH	D214	SS114	M17	PCHS	VKC1

Working Trim Only

Quantity	Function Only	Trim	Finish	Hand	Door Thickness	Misc. Options
6	ML2055	LWA	626	RHR	D214	M31
3	ML2055HS	SST	626	LHR	D214	M31
1	ML2055VR	NSV	630	RH	D214	M31

(Includes grip and spindle, rose or escutcheon, thumbturn lever, emergency key plate, adapters and screws)

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Door Thickness	Optional Strike	Misc. Options
6	ML2055	LL	626	RHR	D138	SS078	M17
3	ML2055HS	KK	626	LHR	D214	SA200	M29

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Ordering Examples - ML20900 ECL Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Fail Safe/ Fail Secure	Misc. Options
6	ML20914	LL	626	RHR	SAF	M105

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Fail Safe/ Fail Secure	Misc.Options	Optional Cylinder	Keying
24	AA1	ML20914	LWA	626	RHR	SEC	M20	7P	VKC3

Grooved Insert 21G	Leather Insert 21L	Polished with Satin Insert 21M	Santoprene™ Insert 21S	Wood Insert 21W	With Raised Band 23M	Plain 25M	Plain with Two Grooves 27M
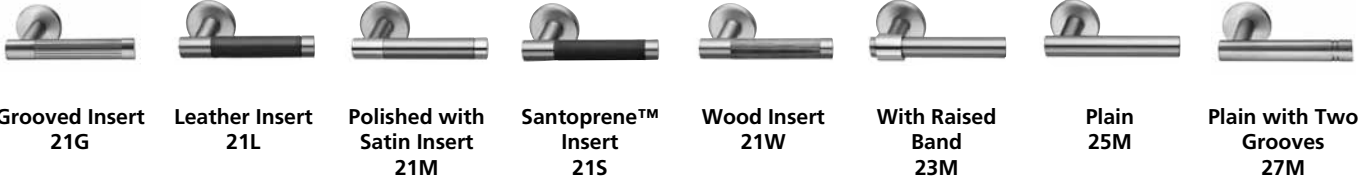
Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Birch (wood insert)
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
21W	Wood Insert	29BH29 or 30BH30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, T, U, V, W, X, Y
Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML2055	21LU	29BK29	629	RH	MT3
1	ML2051	23ML	290030	629	RH	MT3

ML2000.68

Cylinder and Keying

Description		Specify
Conventional 6-pin (HS)(VR)		(standard)
Conventional 7-pin (HS)(VR)		7P
Less cylinder(s) (HS)(VR)		LC
IC 6-pin (HS)(VR)		C6
IC 6-pin with temporary construction core (HS)(VR)		
	Red	CT6R
	Blue	CT6B
	Green	CT6G
IC 6-pin less core (HS)(VR)		CL6
SFIC 6-pin with SFIC disposable temporary core (HS)(VR)		CT6SD
SFIC 6-pin with Less Core[1] (HS)(VR)		CLS6
IC 7-pin (HS)(VR)		C7
IC 7-pin with temporary construction core (HS)(VR)		
	Red	CT7R
	Blue	CT7B
	Green	CT7G
IC 7-pin less core (HS)(VR)		CL7
SFIC 7-pin with SFIC disposable temporary core (HS)(VR)		CT7SD
SFIC 7-pin with Less Core[1] (HS)(VR)		CLS7
Security (HS)(VR)		HS
Security IC (HS)(VR)		CHS
Access 3 - Patented (HS)(VR)		AP
Access 3 - Security (HS)(VR)		AS
Access 3 - High Security (HS)(VR)		AHS
Access 3 IC - Patented (HS)(VR)		ACP
Access 3 IC - Security (HS)(VR)		ACS
Access 3 IC- High Security (HS)(VR)		ACHS
UL IC 6-Pin Housing Less Core		CL6AH
UL IC 6-Pin Housing with Disposable Core		CTAHD
UL IC 6-Pin Housing with (Red/Blue/Green) Temporary Construction Core		CT6AH(R/B/G)
Pyramid High Security Fixed Core (HS)(VR)		PHS
Pyramid High Security IC (HS)(VR)		PCHS
Pyramid IC Less Core (HS)(VR)		CLP
Pyramid with temporary construction core (HS)(VR)		CTP
Pyramid Security (HS)(VR)		PS
Pyramid Security IC (HS)(VR)		PCS
Pyramid Disposable Core (HS)(VR)		CTPD
6-Pin Disposable Core (HS)(VR)		CT6D
7-Pin Disposable Core (HS)(VR)		CT7D
Master ring[2] (HS)(VR)		MR
Blockout function cylinder (HS)(VR)		BO
Flex head cylinder, 6-pin (sectional trim)		FX6
Flex head cylinder, 7-pin (sectional trim)		FX7
Flex head cylinder, master ring[2] (sectional trim)		FXM
Plug only to show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only)		PO6
Plug only to show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only)		PO7
Plug only, less cylinder		PO-LC

(HS) Indicates cylinder is available with ML2000HS lockset
(VR) Indicates availability with ML200VR lockset

Description	Specify
Keyed random (HS)(VR)	KR
Construction master keyed (not available for Pyramid) (HS)(VR)	CMK
Visual key control (HS)(VR)	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS, PCHS, AS, ACS, AHS, or ACHS)	VKC2
- Cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	VKC3
Concealed key control (CKC) (HS)(VR)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for HS, CHS, PHS, PCHS, AP, ACP, AS, ACS, AHS or ACHS)	CKC3
2 keys per lock / More than 2 keys	(standard) / KY# (e.g., KY6)

1. Not available with ML2029.
2. Not available for ML2017, ML2029 or ML2032 x MR, ML2000HS or ML2000VR.

Finishes

ANSI/BHMA 605 (US3)	(HS)	Bright Brass
ANSI/BHMA 606 (US4)	(HS)	Satin Brass
ANSI/BHMA 611 (US9)	(HS)	Bright Bronze
ANSI/BHMA 612 (US10)	(HS)	Satin Bronze
ANSI/BHMA 613 (US10B)	(HS)	Oxidized Bronze, oil rubbed
613E (US10BE)		Dark Oxidized Satin Bronze - Equivalent
613L		Dark Oxidized Satin Bronze, Clear Coated
ANSI/BHMA 618 (US14)		Bright Nickel Plated
ANSI/BHMA 619 (US15)	(HS)	Satin Nickel Plated
ANSI/BHMA 625 (US26)	(HS)	Bright Chromium Plated
ANSI/BHMA 626 (US26D)		Satin Chromium Plated
626C		Satin Chromium Plated with MicroShield®
ANSI/BHMA 629 (US32)	(HS)	Bright Stainless Steel
ANSI/BHMA 630 (US32D)	(HS)(VR)	Satin Stainless Steel
630C		Satin Stainless Steel with MicroShield®
ANSI/BHMA		Black Oxidized Bronze, oil rubbed

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws (not available for "N" escutcheon trims (Standard for ML2000HS and VR. Optional for other trims)	M04
Blank Escutcheon Inside (only available for ML2000HS and VR, not available for ML2000) (HS) (VR)	M07
ANSI wrought strike box (HS) (VR)	M17
Hotel occupancy indicator (Only available for ML2029) (VR)	M19
Single Occupancy Indicator - Secure/Unsecure (Outside)	M19S
Single Occupancy Indicator - Vacant/Occupied (Outside)	M19V
Single Occupancy Indicator - Secure/Unsecure (Inside)	M19N
Double Occupancy Indicator - Secure/Unsecure (Outside) Secure/Unsecure (Inside)	M19SN
Double Indicator Vacant/Occupied (Outside) Secure/Unsecure (Inside)	M19VN
*Knurling outside and inside (VR)	M20
*Knurling outside only (VR)	M21
*Knurling inside only (VR)	M22
*Abrasive coat outside and inside (VR)	M23
*Abrasive coat inside only (VR)	M24
*Abrasive coat outside only (VR)	M25
Non-ferrous lockcase (ML2000 only)	M26
Lead-wrapped case (HS) (VR)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)	M30
Working trim only (HS) (VR)	M31
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB**
Tapered Cylinder Collar (HPSK only)	M111

*Not available with Vineyard™ or Muséo® levers.

**Must use A02 cam when LHB is specified

Door Thickness

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
1-3/8"(35mm)**	D138	D138
1-3/4"(44mm)	(standard)	(standard)
1-7/8"(48mm)	D178	D178
2" (51mm)	D200	D200
2-1/8" (54mm)	D218	D218
2-1/4" (57mm)	D214	D214
2-3/8" (60mm)	D238	D238
2-1/2" (64mm)	D212	D212
2-5/8" (67mm)	D258	D258
2-3/4" (70mm)	D234	D234
2-7/8" (73mm)	D278	D278
3" (76mm)	D300	D300
3-1/8" (79mm)	D318	D318
3-1/4" (83mm)	D314	D314
3-3/8" (86mm)	D338	D338
3-1/2" (89mm)	D312	D312
3-5/8" (92mm)	D358	D358
3-3/4" (95mm)	D334	D334
3-7/8" (98mm)	D378	D378
4" (102mm)	D400	D400

* For 2-3/8" (60mm) to 4" (102mm) door thickness: throughbolts and thumbturn lever spindle for 4" door will be provided; may be field cut. "R" & "L" escutcheons only available 1-3/8" (35mm), 1-3/4" (44mm), and 2-1/4"(57mm).

**1-1/16" (27mm) front standard for 1-3/8" (35mm) door

(VR) Vandal Resistant trim accommodates doors 1-3/4" (44mm) to 2-1/4"(57mm). Door thicknesses other than 1-3/4" (19mm) must be specified.

Strikes

Available for ML2000HS and ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300
Open Back Strike	**Door Thickness**	**Specify**
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike	–	Specify SR118

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows:
M91xM92, M92xM105.

Fail Safe/Fail Secure

Description	Specify
Fail safe	SAF
Fail secure	SEC

Thumbturns

Description	Specify
Ergonomic	M34
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

See page 36 for images of decorative thumbturns

Panel Applications
(Material added to the door face, increasing the overall door thickness)

Description	Specify
Centerline of lockcase to edge of panel not to exceed 2"	PNL

ML2000 Series Suggested Specification

All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/8" (35mm). Internal parts shall be heavygauge steel, zinc dichromate plated for corrosion resistance.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Locksets to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Cylinder options shall include master ring, flexible head, concealed shell, interchangeable core, security, blockouts and Pyramid types.

Lock trim (knob, lever, sectional or escutcheon) shall be throughbolted through the lockcase to ensure correct alignment and proper operation.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML2000 Series
Mortise Locks with BHSS and BLSS Trim

A. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

B. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

ML2000 Series Mortise Locksets with Vandal Resistant Trim Suggested Specification

All locksets shall be ML2000VR Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/4" (44mm). Internal parts shall be heavy gauge steel, zinc dichromate plated for corrosion resistance.

High security escutcheon trim shall be cast (stainless) steel with tapered design top and bottom to resist forced entry, excessive abuse and vandalism. Size to be 8-1/2" (216mm) high x 2-1/8" (54mm) wide x 5/16" (8mm) thick with double throughbolts and 2 post lugs to receive torx® pin tamper-resistant security screws through both escutcheons. Alignment posts shall be located over and under the spindle for rigidity and security and shall project through the lock case to ensure proper alignment. Escutcheons to accept cast levers (Newport or Citation) which accept free-floating spindles with a torque resistance of 700 inch lbs. Size of spindle to be 5/16" (8mm) and extend from both sides of the escutcheon. Levers will remain attached if spindle is broken. Lobular torx® pin drive self-tapping screws and lobular throughbolts furnished standard for vandal resistance.

Locksets that are to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Locksets to be furnished standard with conventional 6-pin fixed core cylinders.

Optional cylinders shall include IC, blockout, security and Pyramid. Furnish a tapered vandal-resistant cylinder collar where necessary.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

Mortise Locksets ML2000HS High Security Series Suggested Specification

All locksets shall be ML2000HS Series High-Security Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.
Locks shall be manufactured from heavy-gauge steel, minimum thickness 3/32" (2mm). Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt. Internal parts shall be heavy-gauge steel, zinc dichromate plated for corrosion resistance.

High-security trim shall be cast brass or bronze, designed to resist forcible removal. Knobs shall have 3/8" (10mm) spindles on both sides and shall be attached to the escutcheons. Escutcheons shall be 8-1/2" (216mm) x 1-3/4" (44mm) x 3/8" (10mm) thick, having a 30° chamfer at top and bottom to resist forcible removal. Locksets shall be furnished with 4 through bolts and 2 post lugs to receive security screws through both escutcheons. Alignment posts shall be located over and under the knob spindle for rigidity and security, and shall project through the lockcase to ensure proper alignment. Cylinders shall be mounted flush with the escutcheon. All exposed screws shall be security type.

Certification:
UBC - 7 - 2 and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI/BHMA A156.13 Series 1000, Grade 1
ANSI/BHMA A117.1, Accessibility Code.

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML20900 ECL Series
Suggested Specification

**ECOFLEX™ ELECTRIFIED
MORTISE LOCKS**

A. CORBIN RUSSWIN ML20900
Electrified Mortise Locks

1. General: BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI 156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL listed and labeled for use on up to 3 hour fire rated openings.
   a. Backsets: 2-3/4".
   b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
   c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
   a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
   b. Inside lever retracts latch and deadbolt simultaneously for free egress.
   c. Refer to "KEYING" specification section for keying system requirements.
   d. Lever and finish to match corresponding mechanical locking hardware.
3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
   a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
   b. Operationally voltage-insensitive 12 to 24 VDC.
   c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
   d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
   a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
   b. Source power electrical hard wiring and connections by others.

Instructions for reversing the hand of the ML2000.

Step 1) Move the Red locking screw to side of lock-body being locked (Fig. 1)

Step 2) Push in latch then depress catch plate with screw driver (Fig. 1)

Step 3) Pull latch out of lock-body and turn latch over (Fig. 2)

Catch Plate

RED Locking Screw

Figure 1

Figure 2

Step 4) Push in latch while holding screw driver behind latch tail (Fig. 3)

Note: Push in latch until catch plate is no longer depressed (Fig. 4)

Step 5) Rotate lock front to match bevel of door as shown (Fig. 5)

MAKE SURE CATCH PLATE IS EVEN W/ TOP SURFACE

GOOD **BAD**

Figure 4

Figure 5

Figure 3
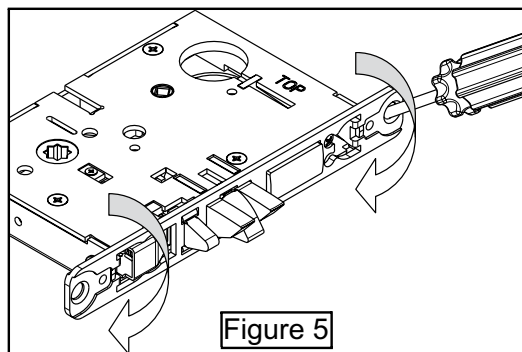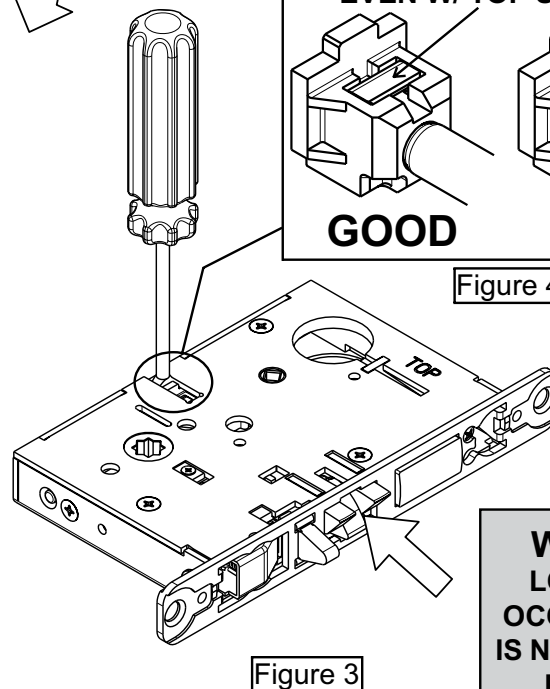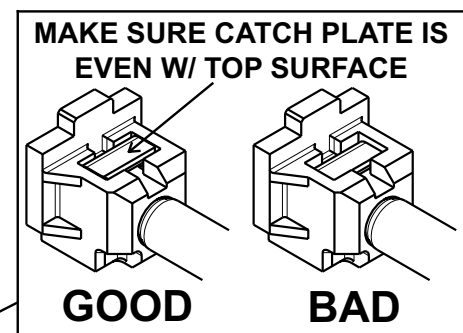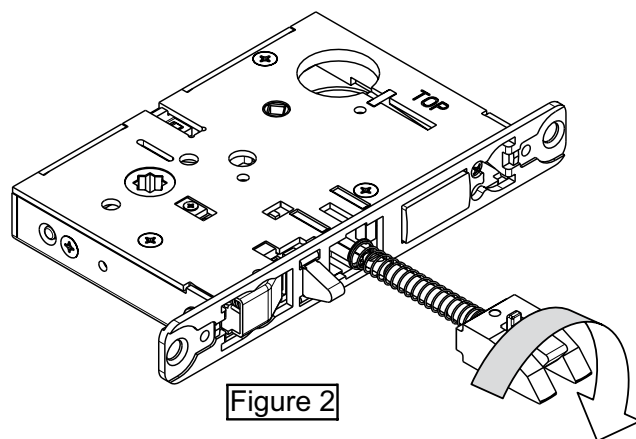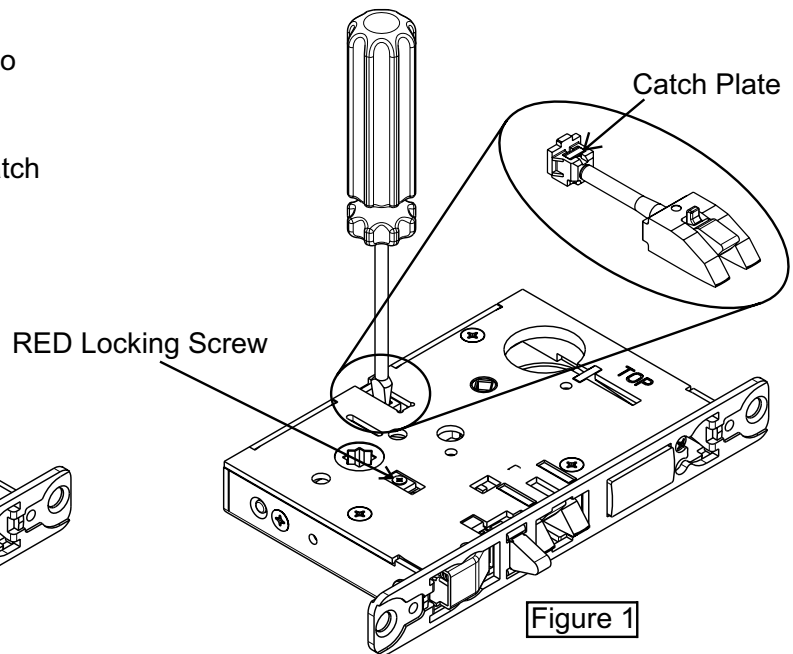
WARNING:
LOCK-IN CAN OCCUR IF LATCH IS NOT PROPERLY INSTALLED

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin®
ASSA ABLOY

In U.S.
Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada
ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

MicroShield™

MicroShield®
As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

Hardwiring Made Easy®
ElectroLynx

ElectroLynx®
As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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