

PRODUCT CATALOG

**9200 Series High Security Mortise Lock
and
M-9200 Series Mogul Institutional Mortise Lock**



Experience a safer
and more open world

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MICROSHIELD®

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

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

MICROSHIELD® COATING

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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

On The Cover

 M-9225 BHD (Detention Knob)

WARNING

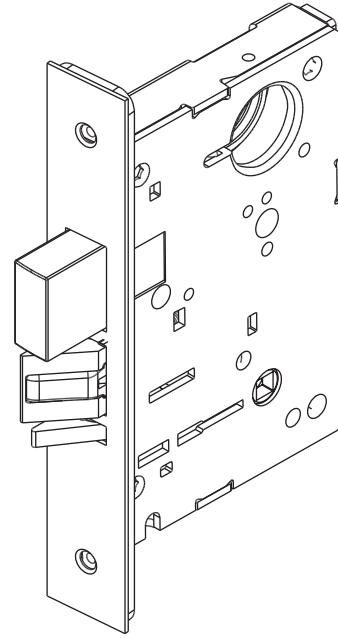
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Features

9200 HIGH SECURITY MORTISE LOCK WITH BUILDERS HARDWARE CYLINDER

The 9200 High Security Mortise Lock is designed for use on openings that withstand extreme abuse, vandalism and malicious impact. It is well-suited for exposed perimeter doors in commercial facilities, such as warehouses, factories and malls. Psychiatric and minimum security detention facilities are also well-served with SARGENT 9200.

- Furnished standard for 1-3/4" thick doors. Available for doors up to 3" thick (For other sizes, consult factory)
- Furnished with standard SARGENT cylinders (Available with High Security Keso F1 or Signature Security Cylinders or interchangeable core cylinders)
- Masterkey, Grand Masterkey and Construction Masterkeying available
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security roses & escutcheons available

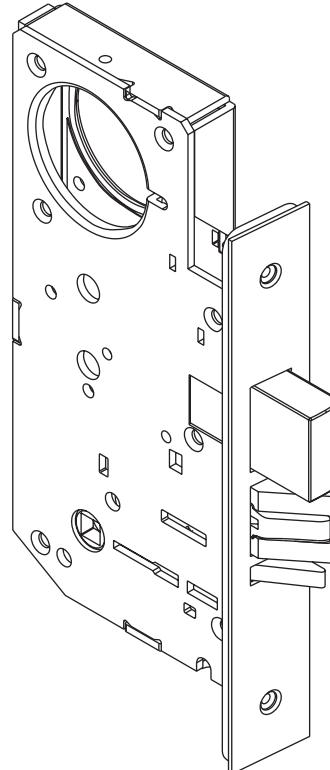


M-9200 INSTITUTIONAL MORTISE LOCK WITH MOGUL CYLINDER

The M-9200 Institutional Mortise Lock is designed for use in detention facilities, holding areas and psychiatric facilities.

- Lock face and strike fit the standard ANSI door edge and frame preparation
- Furnished standard for 1-3/4" thick doors
- Mogul Cylinders purchased separately through ASSA
- Universal, non-handed curved lip strike
- Tapered security cylinder collar standard
- Security rose trim standard
- 4 lever designs available (B, J, L & P)
- D (detention) Knob with security rose available (specify 67-, 68- or 69-)

Note: M9200 to be used on metal doors only



Features

PHYSICAL SECURITY

High Security Mortise Locks and Institutional SARGENT® Mortise Locks are designed specifically for the commercial and institutional marketplace. High quality components provide high security, optimum performance and exceptional durability.

The 9200 Locks are also available as electromechanical locks featuring EcoFlex® technology. These locks operate from 12-24VDC and are designed for intermittent and/or continuous duty. Full wave bridge rectification is factory installed, enabling the use of AC or DC power.

FEATURES OF THE 9200/M-9200 HIGH SECURITY MORTISE LOCKS:

- Stainless Steel 3/4" one-piece anti-friction latchbolt with hardened alloy steel latchbolt rod
- Reversible non-handed lock
- Stainless Steel non-handed deadlatch
- Hardened Stainless Steel 1" throw investment cast deadbolt
- 12 gauge heavy duty wrought steel case and cap with ZCR plating
- Cold forged hardened alloy steel hubs standard
- Inside front full 1/8" hardened high carbon steel
- All exposed screws are Torx® Security type for SN, SL and LS trims. (Torx® available for other trims, specify 36- option)
- Meets ANSI/BHMA A156.13 Series 1000 Operational Grade 1
- Meets ANSI/BHMA A156.13 Series 1000 Security Grade 1 with all standard trims

Note: LFIC (Removable) and SFIC Cylinders do not meet Security Grade 1 requirements

- Complies with **ASTM F1577-95b Detention Locks** for Swinging Doors

Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only

Paragraph 6.2 Level 3 Impact for latchbolt only

Paragraph 6.4 for Cylinder Cycle (ASSA V-10 and ASSA Mogul V-10)

Paragraph 6.6 for Mechanical Release Force (ASSA V-10 and ASSA Mogul V-10)

Paragraph 6.8 Mechanical Release Operation Cycle (ASSA V-10 and ASSA Mogul V-10)

- **Complies with ANSI/ASTM F476-84 Grade 40** with concealed mortise cylinder

- Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies; 3 hour for single doors up to 4'0" x 10'0" and ASTM F1577-95b Paragraph 6.3
- Levers meet A117.1 Accessibility Code -ADA
- Easy operation; 30° of rotation to retract latchbolt
- Meets UL 437 for high security cylinders with ASSA V-10 and ASSA V-10 Mogul cylinders only
- Ten year limited warranty

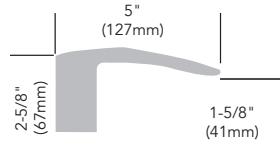
Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire 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.

Lever Designs

- Designs J, L and P return within 1/2" (13mm) or less off door face and meet ADA Compliance for national codes
- All lever designs can be used with all standard rose and escutcheon designs

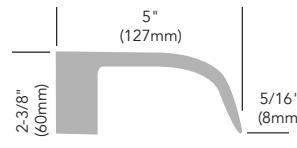
B Lever Design

- Lever: B-Solid forged or cast



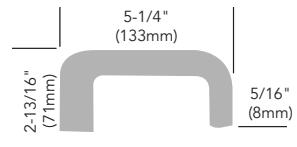
L Lever Design

- Lever: L-Solid forged or cast



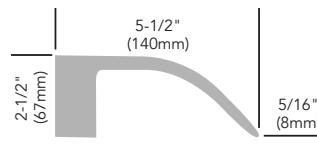
J Lever Design

- Lever: J-Solid bar stock



P Lever Design

- Lever: P-Solid forged or cast



BHW Trim

- Available in 26 functions - see Specialty Hardware Catalog for list
- Tapered surfaces on all components
- Handed
- ADA Compliant
- Finish: 32D
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits, includes inside and outside trim. Cylinder functions include 1SB- collar for use with 1-1/8" cylinders.
694-1 Trim only, non-keyed functions
694-2 Trim only, single cylinder functions
694-3 Trim only, double cylinder functions
- Patent pending and/or patent www.assaabloydss.com/patents



Knob & Rose Designs

L Rose Design

- Rose: L-Heavy wrought



3-1/2"
(89mm)

5/16"

(8mm)

LN Rose Design

- Rose: LN-Heavy wrought



2"
(51mm)

5/16"

(8mm)

BH Rose Design

- Rose: BH-Heavy wrought
- Used with Detention Knob only



3"
(76mm)

7/16"

(11mm)

D Knob

- Available with BH or SL Roses only
- Designed for detention and psychiatric facilities
- Does not meet ADA requirements
- Must Specify 67-, 68-, & 69- Option when ordering
- Only available in 32D

Note: Rotates only in one direction (toward hinge)



SL Rose Designs

- Security L Rose (SL) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function



3-1/2"
(89mm)

5/16"

(8mm)

SN Rose Design

- Security LN Rose (SN) includes Torx® security screw
- Provided with Knurled Security Turn, if required by the function



2"
(51mm)

5/16"

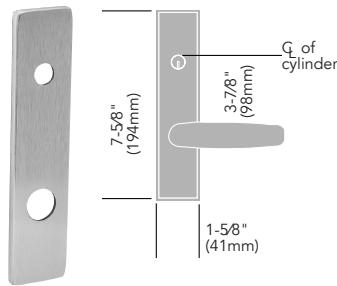
(8mm)

Escutcheons, Collars & Thumb Turns

ESCUTCHEONS

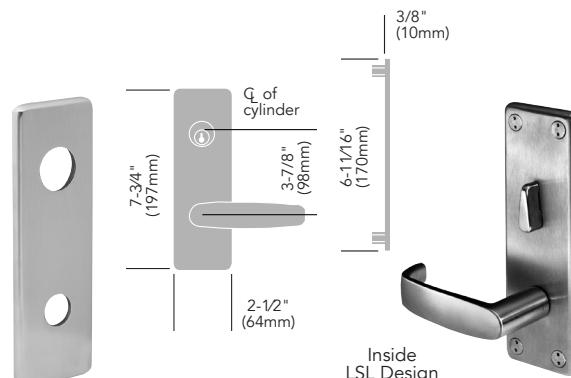
LE3/LE4 Escutcheon
(shown with B Lever)

- Escutcheon with concealed cylinder, Exposed Barrel Only
- Escutcheon: LE-Forged
- LE3- (2) Exposed thru-bolt screws inside
- LE4- (2) Concealed through-bolt screws
- Not available with Mogul Cylinder (M-Option)
- **Not available with double cylinder functions and 06, 35 & 50 function locks**

LS Escutcheon
(shown with L Lever)

- Escutcheon: LS-Forged
- Security Trim
- (4) Spanner security through-bolt screws are exposed on inside escutcheon
- Double cylinder functions, cylinders protrude from escutcheon face
- Not available with Mogul Cylinder (M-Option)
- **Not available with electrical functions and 06 & 35 function locks**

Note: Only available with Cylinder Options: 10-, 11-, 21-, & BR-



THUMB TURNS AND COLLARS

130SKB Thumb Turn
for 9200130SB Thumb Turn
for M-9200130KBHA Thumb Turn
for 92001SB Cylinder Collar
for 92001MB Cylinder Collar for
M-9200 Mogul Cylinders

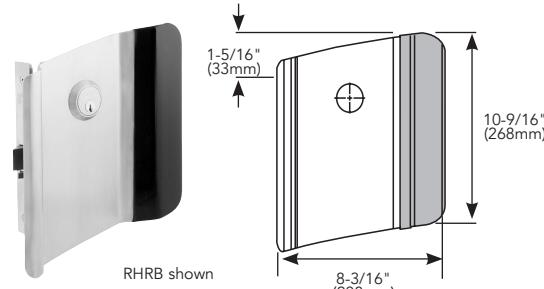
Anti-Vandal Trim

9200 ANTI-VANDAL OPTION (AV-)

Designed for exterior doors that require extra security or resistance to vandalism. Anti-vandal trim (AV) plates have an extended lip on the active side of the door providing extra protection for the latch, deadbolt and guardbolt. A matte plastic coated grip edge provides a comfortable pull appropriate over a wide temperature range. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.

Features

- Heavy duty 12 gauge stainless steel in 32D finish
- Through-bolted through mortise lock body and door for added strength
- Handed – Specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Not available with escutcheon trim
- Functions available: See chart to the right
- Available without protective lip for inactive doors
- To order the Anti Vandal Trim with the lock specify: AV- Option Example AV-8204 x LNJ x RH x 32D
- Only available in 32D finish
- To order the Anti Vandal Trim as a Kit, specify kit number 667 with suffix as required based on function and hand of the lock as seen in the chart to the right



667 AV Kit

Retrofit kits for 7800, 8200 & 9200 mortise locks

667 Kit includes:

• AV Pull (Handed)	• 1SB Rosette
• (4) 1/4-20 screws	• Instructions & Templates
• (4) Cup washers	

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17 and 50 -1 & -2 Trim has an extended lip, cylinder hole and through bolt post for mounting Inside trim
667-3 82-4036	667-4 82-4037	03, 20, 21, 22, & 23 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5 82-4044	667-6 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

Note: The AV trim is not available for the M-9200's

Functions

SINGLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9204 M-9204	Storeroom or Closet	F07	<ul style="list-style-type: none"> Key outside or lever/knob inside retracts latchbolt Lever/knob outside rigid at all times Lever/knob inside always retracts latchbolt Auxiliary deadlatch
	9205 M-9205	Office or Entry	F04	<ul style="list-style-type: none"> Key outside retracts latchbolt when outside Lever/knob is locked Lever/knob inside retracts latchbolt only, outside Lever/knob remains locked Lever/knob outside is locked/unlocked by thumb turn inside or by key outside Auxiliary deadlatch
	9206 M-9206	Storeroom or Service	—	<ul style="list-style-type: none"> No outside lever/knob, cylinder only Lever/knob inside or key outside retracts latchbolt Auxiliary deadlatch Same as 04 Function without lever/knob outside
	9237 M-9237	Classroom	F05	<ul style="list-style-type: none"> Key outside locks and unlocks lever/knob outside Key outside retracts latchbolt Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key Lever/knob inside always retracts latchbolt Auxiliary deadlatch
	9255 M-9255	Office or Entry	—	<ul style="list-style-type: none"> Key outside retracts latchbolt when outside Lever/knob is locked Lever/knob inside retracts latchbolt only, outside lever/knob remains locked Lever/knob outside is locked by toggle only Auxiliary deadlatch

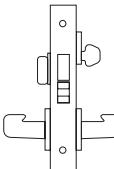
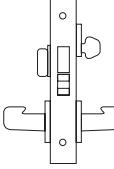
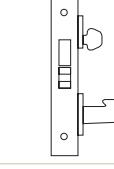
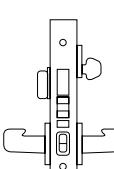
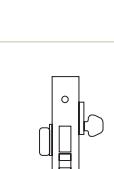
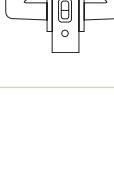
◆ **CAUTION:** Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

Functions

SINGLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9224♦ M-9224♦	Storeroom Door	F21	<ul style="list-style-type: none"> Key outside or thumb turn inside retracts and projects deadbolt Lever/knob either side retracts latchbolt Latchbolt and deadbolt are independent of each other
	9225 M-9225	Dormitory or Exit	F13	<ul style="list-style-type: none"> Key outside or thumb turn inside retracts and projects deadbolt Lever/knob from either side retracts latchbolt, when the deadbolt is in the retracted position Lever/knob outside is locked, when the deadbolt is projected When deadbolt is projected, lever/knob inside retracts latchbolt and deadbolt simultaneously, unlocking outside lever/knob
	9235♦ M-9235♦	Storeroom	—	<ul style="list-style-type: none"> Key outside retracts and projects deadbolt Lever/Knob outside retracts latchbolt, except when deadbolt is projected Inside: no lever/knob or cylinder
	9243 M-9243	Apartment Corridor Door	F20	<ul style="list-style-type: none"> Key outside or thumb turn inside retracts and projects deadbolt Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked Lever/knob outside is locked by toggle or projecting deadbolt Lever/knob outside is unlocked by toggle only Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked Auxiliary deadlatch
	9245 M-9245	Dormitory or Exit	F12	<ul style="list-style-type: none"> Key outside or thumb turn inside retracts and projects deadbolt Key outside retracts both latchbolt and deadbolt, lever/knob outside remains locked Lever/knob from either side retracts latchbolt, except when lever/knob outside is locked Lever/knob outside is locked by toggle or projecting deadbolt Lever/knob inside (when deadbolt is projected) retracts latchbolt and deadbolt simultaneously, and lever/knob outside remains locked Same as 43 function without auxiliary deadlatch
	9250	Hotel Guest	F15	<ul style="list-style-type: none"> Hotel Cylinder Required (50 Function Cylinder) with two types of Keys (Standard & Emergency) Standard Key outside retracts latchbolt only, will not retract or project deadbolt Emergency Key outside will retract latchbolt and deadbolt and also project deadbolt Thumb turn inside retracts and projects deadbolt When the deadbolt is projected, it shuts out all keys except the emergency key Lever/knob inside retracts both latchbolt and deadbolt simultaneously Lever/knob outside is always rigid Auxiliary deadlatch Not available with Mogul (M-) Option Not available with certain key systems (See Option Chart)

♦ CAUTION: Not recommended for use on any door used for Life Safety egress



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Functions

DOUBLE CYLINDER WITHOUT DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9216	Apartment, Exit or Public Restroom	F09	<ul style="list-style-type: none"> Key outside retracts latchbolt, when outside lever/knob is locked Key inside is required to lock and unlock lever/knob outside Lever/knob either side retracts latchbolt, unless outside lever/knob is locked by key inside Lever/knob inside always operable Auxiliary deadlatch Special cam required for inside cylinder
	9217♦ M-9217♦	Asylum or Institutional	F30	<ul style="list-style-type: none"> Key from either side retracts latchbolt Lever/knob on both sides rigid at all times Auxiliary deadlatch
	9238 M-9238	Classroom Security Intruder Latchbolt	F32	<ul style="list-style-type: none"> Key from either side locks and unlocks lever/knob outside Key from either side retracts latchbolt Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key Lever/knob inside always retracts latchbolt Auxiliary deadlatch Same as 37 function with two cylinders
	9259♦	School Security	—	<ul style="list-style-type: none"> Key from either side locks and unlocks inside & outside levers/knobs Key from either side retracts latchbolt Key from either side can retract latchbolt without unlocking levers/knobs Auxiliary deadlatch

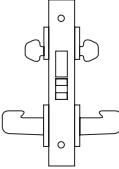
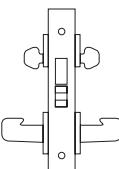
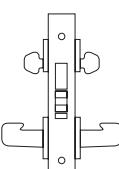
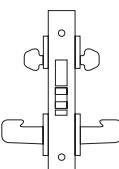
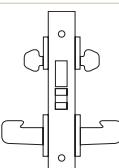
♦ CAUTION: Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

Functions

DOUBLE CYLINDER WITH DEADBOLT

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9226* M-9226*	Store Door	F14	<ul style="list-style-type: none"> • Key from either side retracts and projects deadbolt • Lever/Knob from either side retracts latchbolt • Latchbolt and deadbolt are independent of each other • Same as 24 Function with two cylinder and no thumb turn
	9239 M-9239	Classroom Security Intruder Deadbolt	F33	<ul style="list-style-type: none"> • Key either side retracts or projects deadbolt to unlock or lock lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside • Same as 25 function with a cylinder inside in place of thumb turn
	9240 M-9240	Classroom Security Intruder Deadbolt	F34	<ul style="list-style-type: none"> • Key either side retracts or projects deadbolt to unlock or lock lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks lever/knob outside • Auxiliary deadlatch • Same as 39 function with Auxiliary deadlatch
	9241	Classroom Security	—	<ul style="list-style-type: none"> • Key from either side retracts and projects deadbolt • Key retraction of deadbolt, lever/knob outside remains locked • Key retraction of latchbolt from either side unlocks lever/knob outside • Lever/knob outside retracts latchbolt, except when outside lever/knob is locked by key • Lever/knob outside is locked when the deadbolt is projected • Lever/knob inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously, and lever/knob outside remains locked • Auxiliary deadlatch
	9249*	Security Deadbolt	—	<ul style="list-style-type: none"> • Key from either side retracts and projects deadbolt • Key from either side retracts latchbolt • Levers/knobs inside & outside are locked only when deadbolt is projected

♦ CAUTION: Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

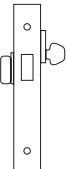
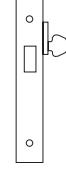
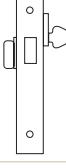
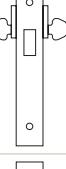
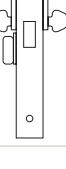
Functions

NON KEYED FUNCTIONS ARE AVAILABLE FOR 9200 SERIES ONLY

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9215	Passage or Closet	F01	<ul style="list-style-type: none"> • Lever/knob from either side retracts latchbolt at all times
	9265	Privacy Bedroom or Bath	F22	<ul style="list-style-type: none"> • Lever/knob outside retracts latchbolt except when locked by thumb turn inside • Lever/knob inside retracts latchbolt and unlocks outside lever/knob • Emergency Release unlocks lever/knob outside • Thumb turn locks and unlocks lever/knob outside • Closing the door will unlock lever/knob outside
	9266	Privacy Bedroom or Bath	F19	<ul style="list-style-type: none"> • Lever/knob outside retracts latchbolt except when deadbolt is projected • Lever/knob inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside lever/knob • Emergency Release retracts and projects deadbolt • Thumb turn retracts and projects deadbolt

Functions

DEADBOLT ONLY

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9203♦ M-9203♦	Classroom Deadlock	F29	<ul style="list-style-type: none"> • Deadbolt operation only • Key outside retracts and projects deadbolt • Thumb turn inside retracts deadbolt only, will not project it
	9220♦ M-9220♦	Deadlock	F18	<ul style="list-style-type: none"> • Deadbolt operation only • Key outside retracts and projects deadbolt • No inside operation
	9221♦ M-9221♦	Deadlock	F17	<ul style="list-style-type: none"> • Deadbolt operation only • Key outside retracts and projects deadbolt • Thumb turn inside retracts and projects deadbolt
	9222♦ M-9222♦	Deadlock	F16	<ul style="list-style-type: none"> • Deadbolt operation only • Key outside or inside retracts and projects deadbolt
	9223* M-9223*	Classroom Deadlock		<ul style="list-style-type: none"> • Deadbolt only operation • Key outside or inside retracts and projects deadbolt • Thumb turn inside retracts deadbolt, does not project deadbolt • Same as 03 function with an extra cylinder inside

♦ CAUTION: Not recommended for use on any door used for Life Safety egress



If shaded, knob or lever rigid at all times

Electrical Functions

SARGENT 9200 Electromechanical Mortise locks are designed to handle single openings, stand alone applications or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A 156.13 Grade 1 requirements, are UL listed for fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Applications: Security and restricted access areas in computer rooms, offices, equipment rooms, laboratories and hospitals. Can also be used with fire and alarm controls in buildings and stair tower doors.

FEATURING ECOFLEX®



- Reduces energy consumption up to 92%, as certified by GreenCircle
 - 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

Electrical Requirements:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended.

Warning:

- **Do not** connect locks with a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or actuator replacement in the field by non-authorized personnel voids UL label and lock warranty.

Functions

Inside/Outside	Series/ Function	Type	ANSI No.	Function Description
	9270 9271	Electrical Fail Safe Electrical Fail Secure	—	<ul style="list-style-type: none"> • 70 function - Power ON, locks outside lever • 71 function - Power OFF, locks outside lever • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key outside retracts latchbolt, when the lever outside is locked • Lever outside retracts latchbolt except when lever outside is lock • Lever outside can only be locked electronically • Lever inside always retracts latchbolt • Supplied with ElectroLynx® connectors • Auxiliary deadlatch
	9272 9273♦	Electrical Fail Safe Electrical Fail Secure	—	<ul style="list-style-type: none"> • 72 function - Power ON, locks both levers • 73 function - Power OFF, locks both levers • Specify voltage: 12VDC or 24VDC (operates from 12-24VDC) • Key on either side retracts latchbolt, when the lever are locked • Lever from either side retracts latchbolt, except when lever are locked • Lever on both sides can only be locked electronically • Lever can not be locked separately, only together • Supplied with ElectroLynx connectors • Auxiliary deadlatch

♦ **CAUTION:** Not recommended for use on any door used for Life-safety egress

Note: Electrical functions are not available with the mogul option (M-9200)

Electrical Requirements and Accessories

LSP-12-24 POWER SUPPLY

Operation

LifeSafety Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components.



Features

- Selectable voltage output between 12V and 24V with a single switch
- Internal Back-Up battery charging circuit *
- Regulated and filtered, fuse protected outputs
- Each output can be individually turned on and off via a jumper
- Power status of each output is shown by an LED
- Rugged steel enclosure
- Fire alarm interface included – Dry contacts NO/NC, 9-33VDC, 3-15mA

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12VDC @ 6 Amp or 24VDC @3 Amp
 - 8 Total Outputs

Listings

- UL294, UL603, UL1076
- ULC S318, ULC S319

Applications

- Fail safe mortise locks
- Fail secure mortise locks

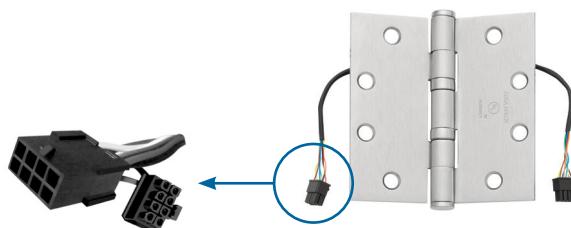
* Note: Batteries are not included with the power supply

Model No.	Description
LSP-12-24	12V – 6AMP / 24V – 3AMP Power Supply

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 9200 Electrified Mortise Lock to the electronic access control system, the following items are required:

- 9200 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)

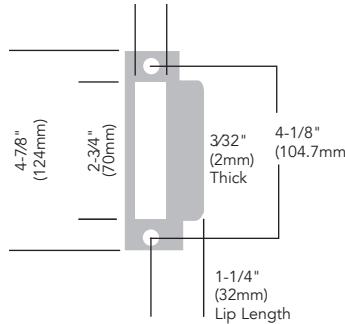
Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

- Curved lip strikes: Brass or stainless steel
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike

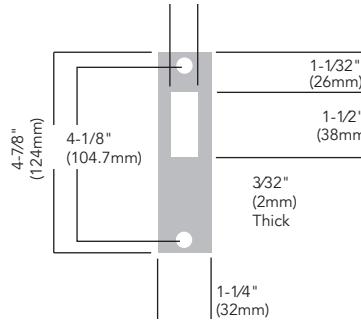
Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8" (35mm) - 1-1/2" (38mm)	82-0109	1-1/8" (29mm)
1-5/8" (41mm) - 1-3/4" (44mm)	82-0110 Standard	1-1/4" (32mm)
1-7/8" (48mm) - 2" (51mm)	82-0111	1-3/8" (35mm)
2-1/8" (54mm) - 2-1/2" (64mm)	82-0112	1-5/8" (41mm)
2-5/8" (67mm) - 3" (76mm)	82-0113	1-7/8" (48mm)
3-1/8" (79mm) - 3-1/2" (89mm)	82-0114	2-1/8" (54mm)
3-3/8" (86mm) - 4" (101mm)	82-0115	2-3/8" (61mm)
4-1/8" (105mm) - 4-1/2" (114mm)	82-0116	2-5/8" (67mm)
4-5/8" (117mm) - 5" (127mm)	82-0117	2-7/8" (73mm)

Curved Lip Strike (Standard)

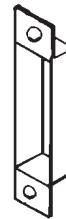


78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23

77-1141 Wrought Box Strike



- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

Mechanical Options

Add Strength	3-	Stainless steel hubs with in the mortise lock
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike
	OBS-	Open Back Strike
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick – see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness - IF PANELED - must specify panel thickness and panel location (inside or outside of the door) For doors thicker than 2-1/4" - consult factory.
Security Fasteners	36-	6 Lobe head security screws (Torx® type)
	37-	Spanner head security screw
Lever/Knob Combination	67-	Lock furnished w/knob both sides (Not available with AV- Option)
	68-	Lock furnished w/lever handle outside x knob inside (Not available with AV- Option)
	69-	Lock furnished w/lever handle inside x knob outside (Not available with AV- Option)
Tactile Warnings	75-	Tactile Warning - Milled levers. Inside trim only (Not available with D Knobs)
	76-	Tactile Warning - Milled levers. Outside trim only (Not available with D Knobs)
	77-	Tactile Warning - Milled levers. Inside & outside trim (Not available with D Knobs)
	85-	Tactile Warning - Abrasive coating inside trim only
	86-	Tactile Warning - Abrasive coating outside trim only
	87-	Tactile Warning - Abrasive coating inside & outside trim
Anti-Vandal Trim	AV	Anti-Vandal Pull Trim (Not available with LS, LE3 or LE4 trim and Options M-, 31-, 68-, 69-, 76-, 77-, 86-, 87- or SG-)
Mogul Cylinder	M-**	Mortise Lock to accept mogul cylinder, mogul cylinder to be ordered separate from ASSA
Finish Protection	CPC-	Clear Powder Coat (Available over 26D & 32D finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Available with 26D and 32D finishes; not available with AV- Option)
Box Strike	WBS-	Wrought Box Strike

Note: Cylinder Options on the following pages

** Mortise Locks to accept mogul cylinders are available with these functions: 04, 05, 06, 17, 24, 25, 26, 35, 37, 38, 39, 40, 43, 45 & 55 and these Deadbolt functions: 03, 20, 21, 22 & 23

** Authorized options for Mortise Locks to accept mogul cylinders are 3-, 23-, 67, 68-, 69-, 75-, 76- & 77-

Cylinder Options

Categories	How to Specify	Detailed Description
Conventional Cylinder	-	SARGENT Conventional Cylinders Supplied Standard
	DG1-*	SARGENT Degree Key System Level 1 (Bump resistant with patented keys)
	DG1-21-*	Degree Level 1 Construction Master Keying
	DG1-60-*	Degree Level 1 Removable Disposable Construction Core
	DG1-63-*	Degree Level 1 Removable Core
	DG1-64-*	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core
	DG1-78-*	Degree Level 1 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG2-*	SARGENT Degree Key System Level 2 (Geographically exclusive; bump and pick resistant)
	DG2-21-*	Degree Level 2 Construction Master Keying
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core
	DG2-63-*	Degree Level 2 Removable Core
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core
	DG2-78-*	Degree Level 2 Exposed Plug (For use with LE3/LE4 escutcheons only)
	DG3-*	SARGENT Degree Key System Level 3 (Geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-*	Degree Level 3 Construction Master Keying
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core
	DG3-63-*	Degree Level 3 Removable Core
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC
	DG3-78-*	Degree Level 3 Exposed Plug (For use with LE3/LE4 escutcheons only)
Signature Key System	10-*	SARGENT Signature Key System (Not available with other key systems)
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)
Signature Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (Removable) Core Cylinder
XC- Key System	11-*	XC Key System (Not available with other key systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
	11-60-*	Hardware to accept XC- Permanent LFIC (Removable core), disposable plastic core provided
	11-63-*	Hardware provided with XC- LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (Removable) Permanent core ordered separately
	11-70-7P-*	Hardware to accept XC- SFIC (7-Pin) XC- Permanent cores, disposable plastic core provided
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin Keyed construction core provided) cylinder Permanent core ordered separately
	11-73-7P-*	Hardware provided with XC- Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-*	Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core - (Packed loose)
Construction Key System	21-*	SARGENT Lost Ball Construction keying for Conventional, XC and Signature series (N/A with 63- or 73-)

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

Cylinder Options

CYLINDER OPTIONS:

Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable core), disposable plastic core provided (Permanent cores ordered separately)
	63-	Hardware provided with LFIC (Removable core) cylinder - (Includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (Removable) permanent core (Ordered separately)
Small Format Interchangeable Cores	70-*	Hardware to accept 6- or 7-Pin SFIC Permanent Cores, disposable plastic core provided
	72-*	Hardware to accept 6- or 7-Pin SFIC (Keyed construction core provided) cylinder (Permanent core ordered separately)
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) core - (Packed loose for field keying)
	65-73-7P-*	Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) core - (Packed loose for field keying)
	73-7P-*	Hardware provided with Small Format 7-Pin Interchangeable core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-*	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Permanent cores ordered separately)
	82-	Hardware provided with SARGENT Keso Security Cylinder
	F1-82-	Hardware provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-*	Hardware provided with SARGENT Keso Security Removable Core cylinder
	F1-83-*	Hardware provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
Additional Security	84-*	Hardware provided with SARGENT Keso Construction Cores (Permanent cores ordered separately)
	BR-	Bump Resistant Cylinder (Available with conventional & conventional XC cylinders only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-*	Schlage C keyway cylinder, 0 bitted
	SE-*	Schlage E keyway cylinder, 0 bitted

* Options not available with 50 function lockout cylinder

NOTE: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements.

Note: For V-10 Cylinders and information, contact ASSA

How To Order, Finishes & Architectural Specifications

HOW TO ORDER 9200 SERIES MORTISE LOCKS

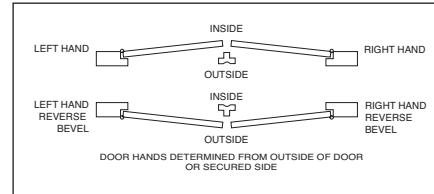
10-	92	71	12VDC	SN	L	32D	RHR
Options*	Series	Function	Voltage	Roses/ Escutcheons	Trim	Finish	Hand
For all available options see page 18-20	92 Mortise Lock	Pages 9-14 for Details	12VDC 24VDC	Pages 6 & 7	Levers & Knob Pages 5 & 6	Below	RHR
			Must be specified for Functions 70, 71, 72 & 73				RH
							LHR
							LH

* Multiple options can be selected

Note: For M9200 Mogul Cylinder Mortise Locks specify the M- option for Mogul

Finish	Description	ANSI/BHMA
4	Satin Brass	606
26D	Satin Chrome	626
32D	Satin Stainless Steel	630

Door Handing



2.01 HIGH SECURITY MORTISE LOCKSETS

- High security mortise locks shall be 9200/M-9200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
- Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
- Meets or exceeds impact requirements of ASTM F1577-95b Detention Locks for Swinging Doors.
 - Paragraph 6.2 Level 1 Impact for deadbolt x latchbolt and deadbolt only.
 - Paragraph 6.2 Level 3 Impact for latchbolt only.
 - Paragraph 6.4 for Cylinder Cycle.
 - Paragraph 6.6 for Mechanical Release Force.
 - Paragraph 6.8 Mechanical Release Operation Cycle for Detention Swinging Doors.
- Locks shall comply with UL 10C positive pressure requirements.
- Locks required for fire doors shall meet UL and CUL Standard 10B, Fire Test of Door Assemblies Class A, 3 hour for single doors up to 4'0" (1.2m) x 10'0".
- Construction:
 - Lock functions shall be manufactured in a single-sized case formed from 12 gauge heavy duty wrought steel.
 - Lock cases shall be closed on all sides and back.
 - Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
 - Locks shall have a one piece, stainless steel 3/4" (19mm) throw anti-friction stainless steel latchbolt.
 - Deadbolts, where specified, shall be full one inch (25mm) throw made of hardened stainless steel.
 - Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.
- Locks shall have a 2-3/4" (70mm) backset, standard.
- Strikes shall be non-handed with a curved lip.
 - To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
- Locks shall have brass 6-pin cylinder, standard.
- Locks shall have a ten year limited warranty.

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

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

SARGENT®

ASSA ABLOY

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Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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