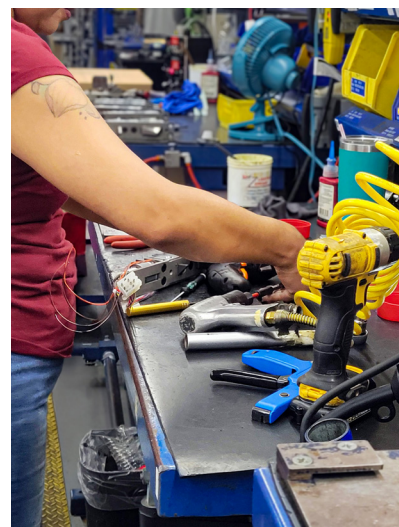
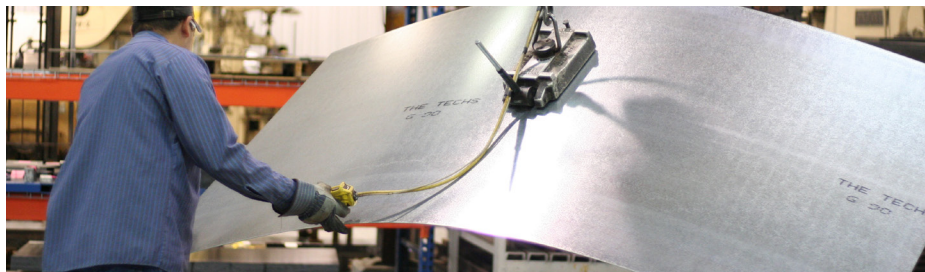




# Product Catalog



# Southern Steel



**Southern Folger**

Detention Equipment Company Founded 1967

A COASTAL DETENTION HOLDINGS LLC COMPANY

4634 S. Presa St., San Antonio, TX 78223  
210-533-1231 Phone \* 210-533-2211 Fax  
[www.SouthernFolger.com](http://www.SouthernFolger.com)

# Table of Contents

## Electric Locks

10120AE Solenoid Operated Electro-Mechanical Deadlatch .....	5
10120AM Motor Operated Electro-Mechanical Deadlatch .....	7
10300E Solenoid Operated Electro-Mechanical Deadlatch .....	9
10300M Motor Operated Electro-Mechanical Deadlatch .....	11
1050D Solenoid Operated Electro-Mechanical Gate Lock .....	13
1051E Solenoid Operated Electro-Mechanical Deadlatch .....	15
1051M Motor Operated Electro-Mechanical Deadlatch .....	17
1058M Motor Operated Electro-Mechanical Deadlatch .....	19
10600 Institutional Mortise Lock .....	21

## Mechanical Locks

1010A Deadlock .....	26
1010AM Deadlock .....	28
1017A Snaplatch .....	30
1017AD Deadlock .....	32
1017AM Snaplatch .....	34
1030A Automatic Deadlock .....	36
1030AD Deadlock .....	38
10370A Cremone Bolt Set with Snaplatch .....	40
10380A Cremone Bolt Set with Deadlock .....	42
1070A/1070AK.a Combination Spring and Deadlock .....	44
1080A Deadlock .....	46
10500 Institutional Mortise Lock .....	48

## Pneumatic Locks

10120AP Pneumatically Operated Deadlatch .....	56
10300P Pneumatically Operated Deadlatch .....	58





# Table of Contents

1051P Pneumatically Operated Deadlatch .....	60
<b>Locking Systems</b>	
1300 Track Set .....	63
3150LX.b Electric Locking Systems .....	64
3165LX.b Electric Locking Systems .....	66
4110L Electric Locking Systems .....	68
8010L Pneumatic Locking System .....	70
8050L Pneumatic Locking System .....	72
8065L Pneumatic Locking System .....	74
<b>Accessories</b>	
Paracentric Cylinder/Paracentric Key .....	77
Key Cylinders .....	78
Hinges .....	81
Door Pulls .....	86
Switches .....	87
Escutcheon .....	91
Head or Foot Bolt .....	92
Lock Mountings .....	93
Safety Accessories .....	94
Key Cabinets .....	95
Door Stop .....	95
Pistol Locker .....	96
Locking Accessories .....	97
Test Boxes .....	91
Key Switches .....	100



# Electric Locks



# Southern Steel



# Electric Locks

## 10120AE Solenoid Operated Electro-Mechanical Deadlatch



### APPLICATION

Medium and maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a solenoid which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a mogul key at the door, and remains retracted until door is opened approximately 2", then it releases and automatically latches and deadlocks when the door is closed.

### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Mogul cylinder (US26D Finish)
- Plug connector
- Continuous duty solenoid
- Fail secure
- Mounting fasteners

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

**KNOB FUNCTION** - Bolt retracted by knob on opposite side of mogul cylinder only. Specify "K."

**MECHANICAL KEY HOLDBACK** - Bolt retracted by key, remains retracted until manually projected with key. UL Listing for fire door not available with this function. Specify "MKH."

**Local Electric Keyswitch** - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

**Emergency Exit Door Holdback** - Deadbolt retracted by solenoid or by key, extended by key only (no snap latch feature).

**10120AE-1: KEYED ONE SIDE**  
**10120AE-2: KEYED BOTH SIDES**



# Electric Locks

## 10120AE Solenoid Operated Electro-Mechanical Deadlatch

### OPTIONAL FEATURES CNT.

When bolt is extended, lock is dead locked. UL Listing for fire door not available with this function. Specify "EED."

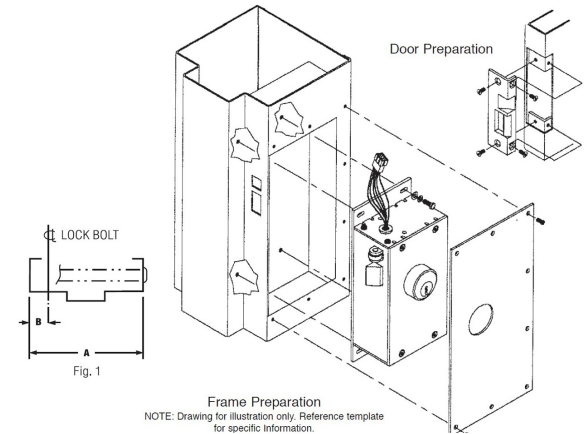
NOTE: Master keying available.

Key Cylinder Extender - An option in place of providing a recess in the frame, when keying on the stop side is required. Available in 3" or 5". 3" extender can be used on openings up to 6" jamb. 5" extender can be used on openings up to 8" jamb. Specify "KCE," then extender size. Other lengths available upon request.

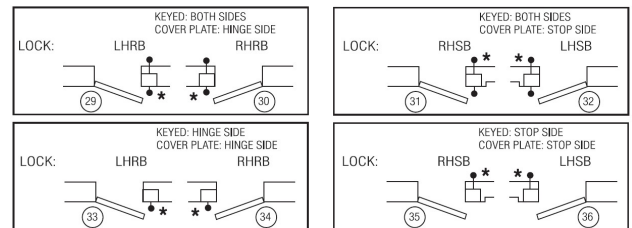
Provide: (See Fig.1) 1. Dimension "A" (overall frame width) 2. Dimension "B" (edge of frame to centerline of lockbolt)

### TECHNICAL DATA

Standard Finish	Galvanized
Cover	10 Gauge Steel Plate
Case	10 Gauge Steel Plate
Strike	Stainless Steel
Latchbolt	2" x 3/4" Stainless steel
Deadlock Actuator	Stainless steel
Mogul Cylinder	Us26d
Mogul Keys	Nickel Silver
Lock Size	17-13/16" H x 6-11/16" W x 3-1/2" D
Lock Weight	19 lbs.
Latchbolt Throw	1"
Electrical	115 VAC, 1 phase, 60 Hz., 10 Amp Inrush, 0.6 Amp Seated
Pin Tumblers	Six tumblers per lock



Swing Chart: Specify circled swing number when ordering.



\* Indicates both mounting/access plate side.

UL Listed For Use On Three hour Fire Doors. • UL Listed As Burglary Resistant.  
Astm F 1577 Certified Impact Test-Grade1



For More information please call 210-533-1231



# Electric Locks

## 10120AM Motor Operated Electro-Mechanical Deadlatch



### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Mogul cylinder (US26D Finish)
- Plug connector
- High torque motor
- Fail secure
- Mounting fasteners

**10120AM-1: KEYED ONE SIDE**  
**10120AM-2: KEYED BOTH SIDES**

### APPLICATION

Medium and maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a motor which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a mogul key at the door, and remains retracted until door is opened approximately 2", then it releases and automatically latches and deadlocks when the door is closed.

### OPTIONAL FEATURES

**HALF CYCLE HOLDBACK** - Remote two-position maintained contact switch is required for this function. Latchbolt is retracted electrically when switch is in open position. When remote switch is returned to locked position, latchbolt will extend when door is opened approximately 2". UL Listing for fire door not available with this function. Specify "D."

**NO LATCHBACK** - Allows latchbolt to extend without opening door. Normally used with "D" function. Specify "NL."

**KNOB FUNCTION** - Bolt retracted by knob on opposite side of mogul cylinder only. Specify "K."

**MECHANICAL KEY HOLDBACK** - Bolt retracted by key, remains retracted until manually projected with key. UL Listing for fire door not available with this function. Specify "MKH."



# Electric Locks

## 10120AM Motor Operated Electro-Mechanical Deadlatch

### OPTIONAL FEATURES CNT.

**LOCAL ELECTRIC KEYSWITCH** - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

**NOTE:** Master keying available.

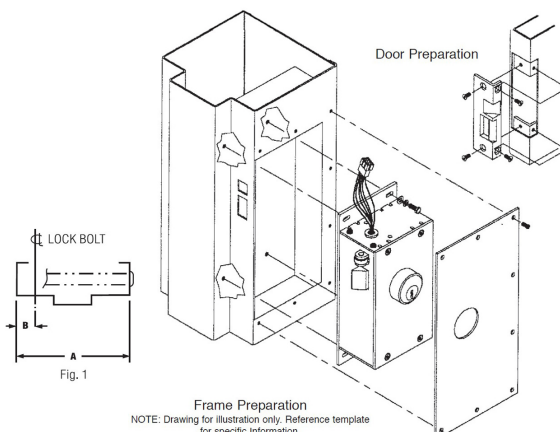
**KEY CYLINDER EXTENDER** - An option in place of providing a recess in the frame when keying on the stop side is required. Available in 3" or 5". 3" extender can be used on openings up to 6" jamb. 5" extender can be used on openings up to 8" jamb. Specify "KCE," then extender size. Other lengths available upon request.

**PROVIDE:**(See Fig.1)

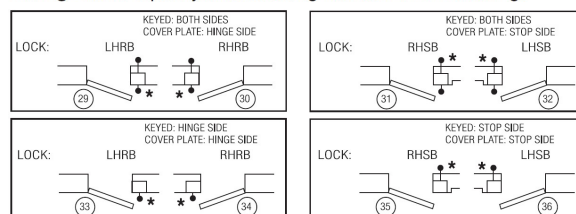
1. Dimension "A" (overall frame width)
  2. Dimension "B" (edge of frame to center line of lockbolt)
- 24 VDC MOTOR** - Specify "24 VDC."

### TECHNICAL DATA

Standard Finish	Galvanized
Cover	10 Gauge Steel Plate
Case	10 Gauge Steel Plate
Strike	Stainless Steel
Latchbolt	2" x 3/4" Stainless steel
Deadlock Actuator	Stainless steel
Mogul Cylinder	Us26d
Mogul Keys	Nickel Silver
Lock Size	17-13/16" H x 6-11/16" W x 3-1/2" D
Lock Weight	19 lbs.
Latchbolt Throw	1"
Electrical	115 VAC, 1 phase, 60 Hz., 10 Amp Inrush, 0.6 Amp Seated
Pin Tumblers	Six tumblers per lock



**Swing Chart:** Specify circled swing number when ordering.



\* Indicates both mounting/access plate side.

UI Listed For Use On Three hour Fire Doors. • UI Listed As Burglary Resistant.  
Astm F 1577 Certified Impact Test-Grade1



For More information please call 210-533-1231



# Electric Locks

## 10300E Solenoid Operated Electro-Mechanical Deadlatch



### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Faceplate with security fasteners
- Plug connector
- High power, dual coil solenoid with overload protection device
- Fail secure
- Mounting fasteners

### APPLICATION

Minimum and medium security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a solenoid which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a builder's hardware key at the door, and remains retracted until door is opened approximately 2", then it releases and automatically latches and deadlocks when the door is closed.

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

**LOCAL ELECTRIC KEYSWITCH** - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Requires dual-function enhancement to builder's cylinder. Specify "LEK."

**10120AM-1: KEYED ONE SIDE**  
**10120AM-2: KEYED BOTH SIDES**

Note #1: 1-11/16" O.D. x 1/8" wall cold drawn tubes furnished by hollow metal manufacturer.



# Electric Locks

## 10300E Solenoid Operated Electro-Mechanical Deadlatch

### OPTIONAL FEATURES CNT.

#### BUILDER'S HARDWARE CYLINDERS -

Specify:

- "10300E-1" keyed one side.
- "10300E-2" keyed both sides.

#### KEY CYLINDER EXTENDER -

Required whenever lock is keyed on stop side. Overall frame depth 4" minimum. Specify "KCE."

Full body rim cylinder required on stop side.

Full body mortise cylinder required on hinge side.

PROVIDE: (See Fig.1)

1. Dimension "A"

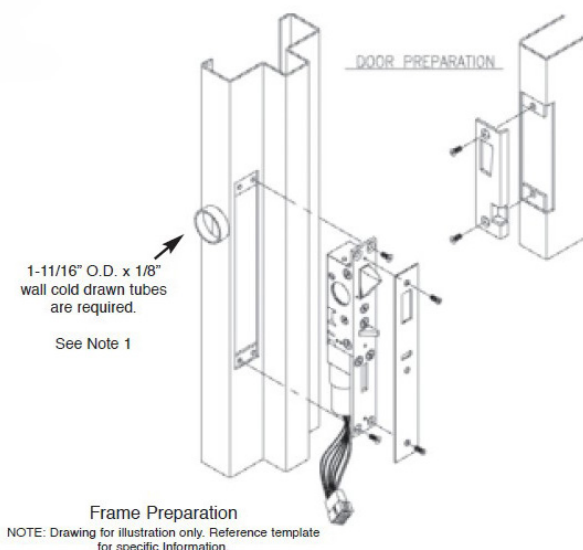
(overall frame width)

2. Dimension "B"

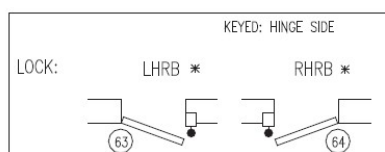
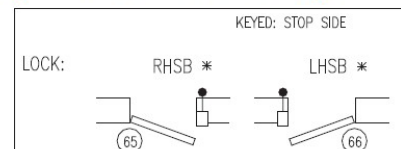
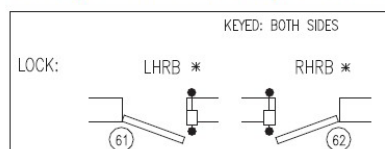
(edge of frame to centerline of lockbolt)

### TECHNICAL DATA

Standard Finish	US32D
Lock Body	Stainless Steel
Face Plate	Stainless Steele
Latchbolt	1-5/8" H x 5/8" TK Stainless steel
Deadlock Actuator	Stainless steel
Lock Size	17-13/16" H x 6-11/16" W x 3-1/2" D
Lock Weight	3.6 lbs.
Electrical	24 VDC, 7.0 amp inrush, 0.6 amp seated



**Swing Chart:** Specify circled swing number when ordering.



UI Listed For Use On Three hour Fire Doors.  
Astm F 1577 Certified Impact Test-Grade1



For More information please call 210-533-1231



# Electric Locks

## 10300M Motor Operated Electro-Mechanical Deadlatch



### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Faceplate with security fasteners
- Plug connector
- High torque motor
- Fail secure
- Mounting fasteners

Note #1: 1-11/16" O.D. x 1/8" wall cold drawn tubes furnished by hollow metal manufacturer.  
hollow metal manufacturer.

**10300M-1: KEYED ONE SIDE**  
**10300M-2: KEYED BOTH SIDES**

### APPLICATION

Minimum and medium security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a motor which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a builder's hardware key at the door, and remains retracted until door is opened approximately 2", then it releases and automatically latches and deadlocks when the door is closed.

### OPTIONAL FEATURES

**HALF CYCLE HOLDBACK** - Remote two-position maintained contact switch is required for this function. Latchbolt is retracted electrically when switch is in open position. When remote switch is returned to locked position, latch bolt will extend when door is opened approximately 2". Specify "D." UL listing not available with this function.

**NO LATCHBACK** - Allows latchbolt to extend without opening door. Normally used with "D" function. Specify "NL."

**LOCAL ELECTRIC KEYSWITCH** - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Requires dual-function enhancement to builder's cylinder. Specify "LEK."



# Electric Locks

## 10300M Motor Operated Electro-Mechanical Deadlatch

### OPTIONAL FEATURES CNT.

#### BUILDER'S HARDWARE CYLINDERS -

Specify:

- "10300M-1" keyed one side.
- "10300M-2" keyed both sides.

KEY CYLINDER EXTENDER - Required whenever lock is keyed on stop side.

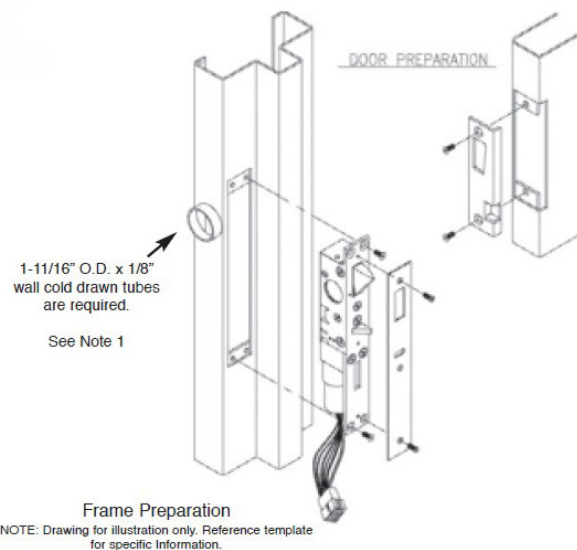
Overall frame depth 4" minimum. Specify "KCE."

Full body rim cylinder required on stop side.

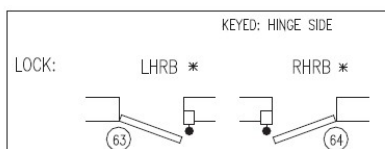
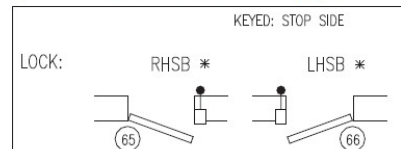
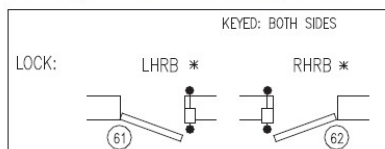
Full body mortise cylinder required on hinge side.

PROVIDE: (See Fig. 1)

1. Dimension "A" (overall frame width)
2. Dimension "B" (edge of frame to centerline of lockbolt)



**Swing Chart:** Specify circled swing number when ordering.



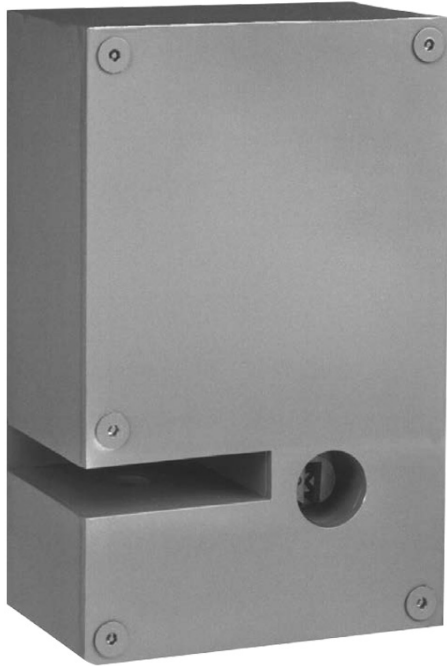
### TECHNICAL DATA

Standard Finish	US32D
Lock Body	Stainless Steel
Face Plate	Stainless Steele
Latchbolt	1-5/8" H x 5/8" TK Stainless steel
Deadlock Actuator	Stainless steel
Lock Size	10-5/8" H x 1-1/2" W x 1-3/4" D
Lock Weight	3.6 lbs.
Electrical	24 VDC, 7.0 amp inrush, 0.6 amp seated



# Electric Locks

## 1050D Solenoid Operated Electro-Mechanical Gate Lock



### APPLICATION

For swinging and sliding gates. Standard mounting is for chain link fencing, but may be modified for other types of gates.

### FUNCTION

**ELECTRIC** - Remote switch activates a solenoid which raises an internal bolt, enabling the gate to be opened. Remains unlocked until gate is closed, then automatically deadlocks.

**MECHANICAL** - Bolt may be manually retracted by paracentric key, and remains retracted until key is returned to the locked position.

### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Six-tumbler lock
- Continuous duty solenoid
- Mounting hardware for 4" O.D. fence posts and 2" O.D. gate frame

### OPTIONAL FEATURES

- Specify: Stainless steel covers and cases\*
  - \* Additional charges apply
  - \* 240v option available

**1050D-1: KEYED ONE SIDE**  
**1050D-2: KEYED BOTH SIDES**

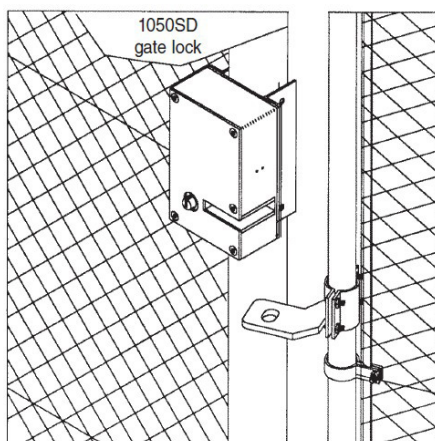
Specify: 1050SD for swinging gate and 1050RD  
for sliding gate



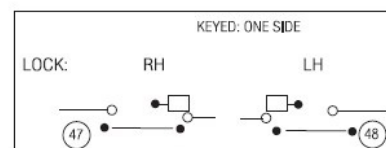
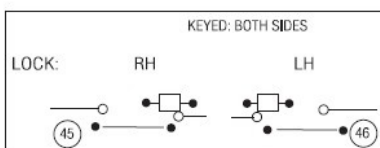
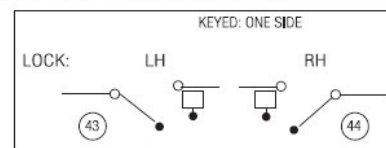
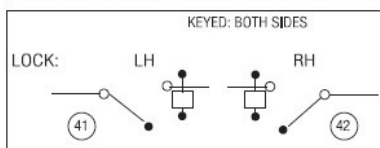


# Electric Locks

## 1050D Solenoid Operated Electro-Mechanical Gate Lock



**Swing Chart:** Specify circled swing number when ordering.



## TECHNICAL DATA

Standard Finish	Galvanized
Cover	3/16" steel plate
Case	1/8" steel plate
Locking Lug	Cold-rolled, steel
Deadbolt	5/8" diameter, Stainless steel
Paracentric Cylinder	Silicon bronze/copper alloy
Tumblers	Six tumblers per lock.
Lock Size	11"H x 7"W x 3-13/16"D
Lock Weight	38 lbs.
Deadbolt Throw	1"
Electrical	115 VAC, 1 phase, 60 Hz., 12 amp inrush current, 0.6 amp seated current



# Electric Locks

## 1051E Solenoid Operated Electro-Mechanical Deadlatch



### APPLICATION

Medium and maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a solenoid which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted by a paracentric key at the door and remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

Automatic deadlatch feature is suspended when paracentric key is rotated to mechanical key hold-back position. Normal function is resumed when key is returned to deadlocked position.

### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Six-tumbler lock
- Plug connector
- Continuous duty solenoid
- Fail secure
- Mounting fasteners
- Mechanical key holdback
- Adjustable deadlock actuator

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

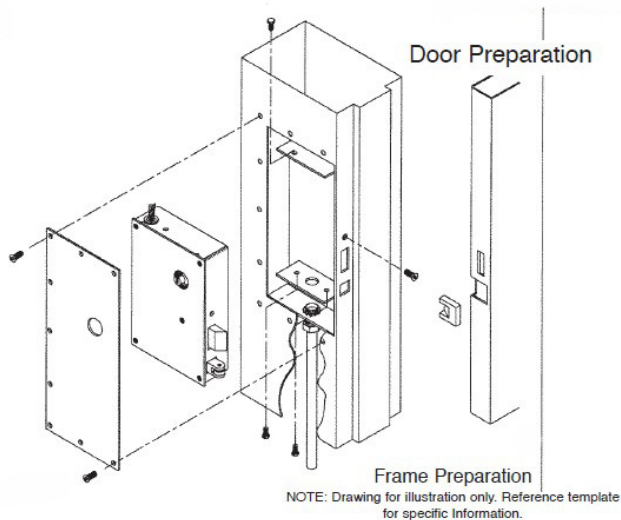
**EMERGENCY EXIT DOOR HOLDBACK** - Dead bolt retracted by solenoid or by key, extended by key only (no snap latch feature). When dead bolt is extended, lock is deadlocked. UL Listing for fire door not available with this function. Specify "EED."

**1051E-1: KEYED ONE SIDE**  
**1051E-2: KEYED BOTH SIDES**

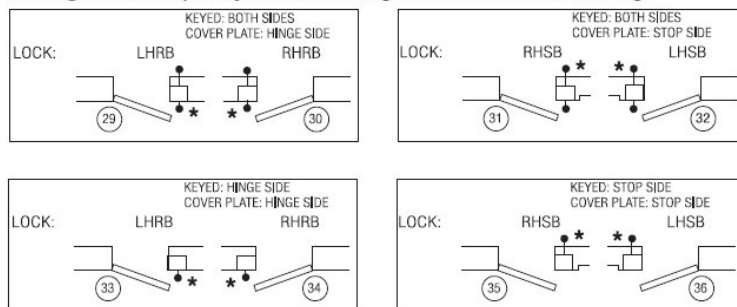


# Electric Locks

## 1051E Solenoid Operated Electro-Mechanical Deadlatch



**Swing Chart: Specify circled swing number when ordering.**



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	3/16" steel plate
Case	3/16" steel plate
Locking	Cold-rolled, steel
Latchbolt	2" x 3/4" Stainless steel
Paracentric Cylinder	Silicon bronze/copper alloy
Tumblers	Six tumblers per lock.
Lock Size	13-3/8"H x 9"W x 3-1/8" D
Lock Weight	50 lbs.
Latchbolt Throw	1"
Electrical	115 VAC, 1 phase, 60 Hz., 12 amp inrush current, 0.6 amp seated current

UL Listed for use on three-hour fire doors. • UL Listed as burglary resistant.  
ASTM F 1577 Certified Impact Test-Grade 1.



# Electric Locks

## 1051M Motor Operated Electro-Mechanical Deadlatch



## APPLICATION

For maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

## FUNCTION

**ELECTRIC** - Remote switch activates a motor which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted by a paracentric key at the door and remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

Automatic deadlatch feature is suspended when paracentric key is rotated to mechanical key hold-back position. Normal function is resumed when key is returned to deadlocked position.

## STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Six-tumbler lock
- Plug connector
- High torque motor
- Fail secure
- Mounting fasteners
- Mechanical key holdback
- Adjustable deadlock actuator

## OPTIONAL FEATURES

**HALF CYCLE HOLDBACK** - Remote two position maintained contact switch is required for this function. Latchbolt is retracted electrically when switch is in open position. When remote switch is returned to locked position, latchbolt will extend when door is opened approximately 2". UL Listing for fire door not available with this function. Specify "D."

**NO LATCHBACK** - Allows latchbolt to extend without opening door. Normally used with "D" function. Specify "NL." **24 VDC MOTOR** - Specify "24 VDC."

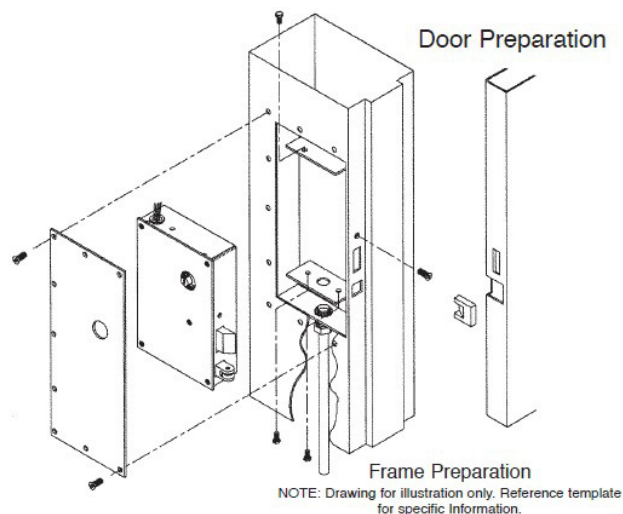
**1051M-1: KEYED ONE SIDE**  
**1051M-2: KEYED BOTH SIDES**



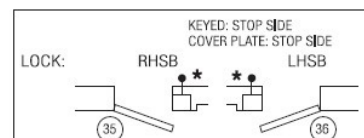
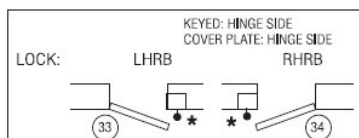
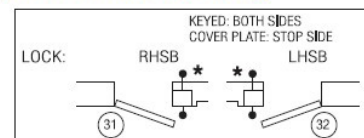
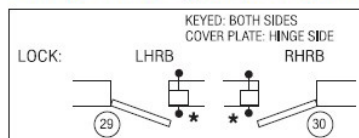


# Electric Locks

## 1051M Motor Operated Electro-Mechanical Deadlatch



**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	3/16" steel plate
Case	3/16" steel plate
Locking	Cold-rolled, steel
Latchbolt	2" x 3/4" Stainless steel
Paracentric Cylinder	Silicon bronze/copper alloy
Tumblers	Six tumblers per lock.
Lock Size	13-3/8"H x 9"W x 3-1/8" D
Lock Weight	50 lbs.
Latchbolt Throw	1"
Electrical	115 VAC, 1 phase, 60 Hz., .3 amp running

UL Listed for use on three-hour fire doors. • UL Listed as burglary resistant.  
ASTM F 1577 Certified Impact Test-Grade 1. (115 VAC and 24 VDC motor)



For More information please call 210-533-1231

# Electric Locks

## 1058M Motor Operated Electro-Mechanical Deadlatch



### APPLICATION

For sliding doors where electric unlocking from a remote station is required. Lock is jamb mounted. A hook-type lock bolt engages a keeper in hollow metal door. Sliding door normally requires a Model 1300 Track Set with internal door position indication switch. Heavy-duty door pulls are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a motor which raises the hookbolt. Spring-loaded, deadlock actuator pin then pushes the door open approximately 1" to 3". The door automatically latches and deadlocks upon closing.

**MECHANICAL** - Hookbolt is raised by paracentric key at the door. Automatic deadlatch feature is suspended until key is returned to the locked position.

### STANDARD FEATURES

- Deadlock indicator switch
- Mechanical latchback by key
- Six-tumbler lock
- Plug connector
- Fail secure
- Mounting fasteners
- High torque motor

### OPTIONAL FEATURES

**HALF CYCLE HOLDBACK** - Remote two position maintained contact switch is required for this function. Hookbolt is raised electrically when switch is in open position and lowered when switch is in locked position. Specify "D."

**24VDC MOTOR** - Specify "24VDC"  
**STRIKE WITH SECURITY FASTENERS** IS OPTIONAL.

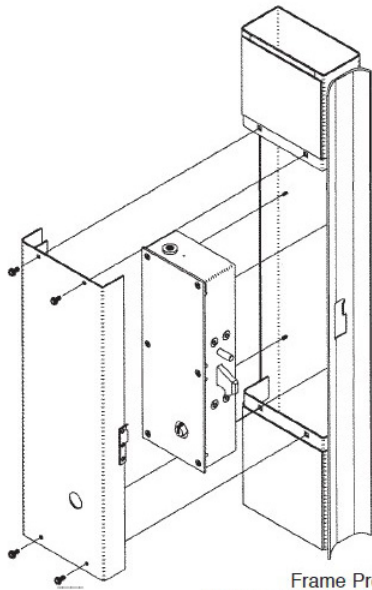
Note: Elongated paracentric key is required for use with a 1300 track set.

**1058M-1: KEYED ONE SIDE**  
**1058M-2: KEYED BOTH SIDES**



# Electric Locks

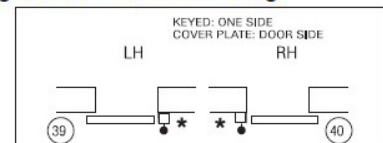
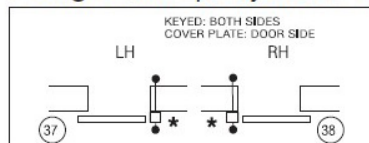
## 1058M Motor Operated Electro-Mechanical Deadlatch



Frame Preparation

NOTE: Drawing for illustration only. Reference template for specific information.

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	3/16" steel plate
Case	3/16" steel plate
Hookbolt	2" x 1/2" Cold-rolled, case-hardened steel
Latchbolt	2" x 3/4" Stainless steel
Deadlock Actuator Pin	Cold rolled ed, case-hardened steel
Tumblers	Six tumblers per lock.
Paracentric Cylinder	Silicon bronze/copper alloy
Lock Size	17-13/16" H x 6-11/16" W x 3-1/2" D
Lock Weight	58 lbs.
Latchbolt Engagement	2-1/8"
Electrical	115 VAC, 1 phase, 60 Hz., .3 amp running



# Electric Locks

## 10600 Institutional Mortise Lock



### APPLICATION

Designed for minimum and medium security areas where remote electric or local manual control of lever is desired. Door position switch and door closure are recommended. 204E power transfer hinge is required.

### FUNCTION

10600E FAIL SECURE – Lever unlocks when power is applied.

10600EP FAIL SAFE – Lever locks when power is applied.

A variety of functions are available to meet job requirements. See function chart.

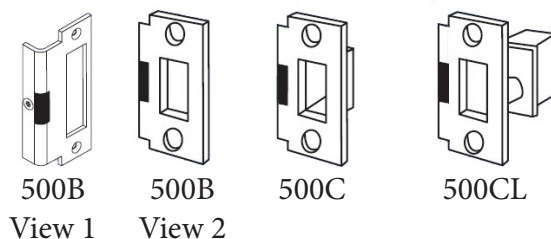
### STANDARD FEATURES

- Deadlock indication switch
  - Lever handles
  - Mogul cylinders
  - Strike 500B with replaceable high performance plastic insert in lip. Includes security fasteners
  - Faceplate with security fasteners
  - Mounting fasteners
  - High security rose with security fasteners
  - Finish US32D
  - E=FAIL SECURE: Lever is locked when power is not applied.
  - EP=FAIL SAFE: Lever is locked when power is applied.
- When ordering, add suffix “E” or “EP” to lock function number.

### OPTIONAL FEATURES

- BUILDER'S HARDWARE CYLINDER(S) - Specify “BHC.”
  - LEVER: Specify “L.”
  - STRIKE WITH DUST BOX - Specify “500C.”
  - STRIKE WITH INDICATION - Specify “500CL.”
- BOLT STRIKE OPTIONS - (Must be specified separately):
- 500C - Bolt strike with dust box
  - 500CL - Bolt strike with switch
- NOTE: All bolt strikes are supplied with security fasteners.

#### BOLT STRIKES



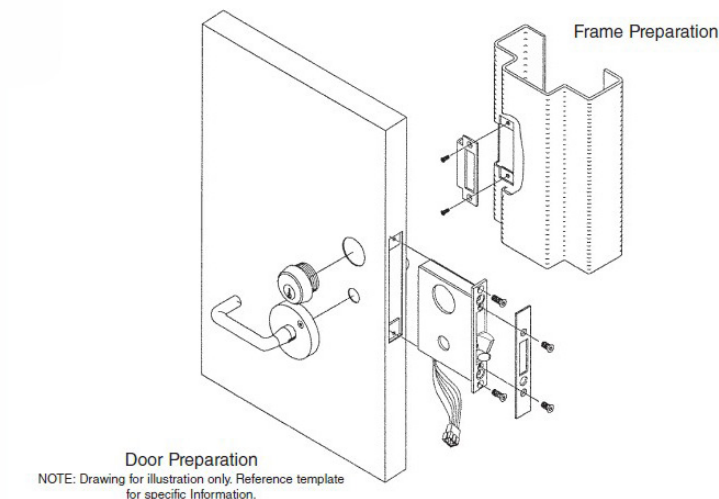
**THIS LOCK IS NOT INTENDED FOR CELL APPLICATION.**



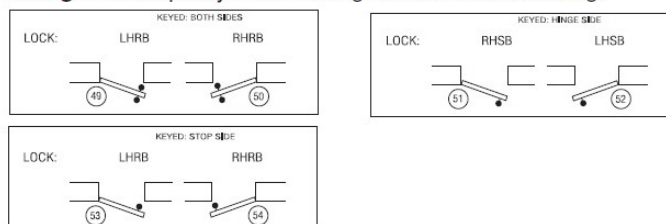


# Electric Locks

## 10600 Institutional Mortise Lock



**Swing Chart:** Specify circled swing number when ordering.



## TECHNICAL DATA

Standard Finish	US32D
Lock Body	Stainless Steel
Face Plate	Stainless Steele
Latchbolt	1-5/8" H x 5/8" TK Stainless steel
Deadlock Actuator	Stainless steel
Lock Size	10-5/8" H x 1-1/2" W x 1-3/4" D
Lock Weight	3.6 lbs.
Electrical	24 VDC, inrush: 3A Locked Rotor Current: 1.5A

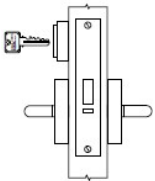
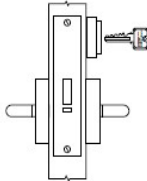
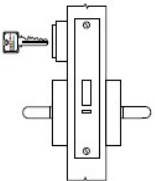
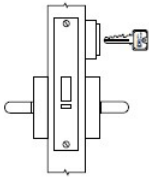
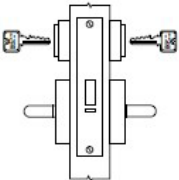
UI Listed For Use On three-hour Fire Doors.  
Astm F 1577 Certified Impact Test-Grade1



# Electric Locks

## 10600 Institutional Mortise Lock

### FUNCTIONS

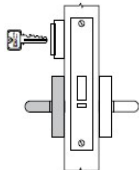
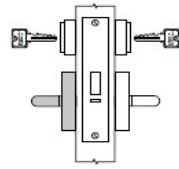
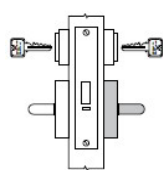
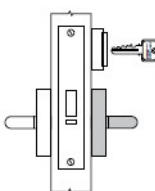
1601		<ul style="list-style-type: none"><li>• Latchbolt operated by lever either side, except when both are locked out.</li><li>• Key outside operates latchbolt when both levers are locked out.</li></ul>	<ul style="list-style-type: none"><li>• Deadlock actuator.</li><li>• 10601E: Both levers are locked, except when power is applied.</li><li>• 10601EP: Both levers are unlocked, except when power is applied.</li></ul>
1602		<ul style="list-style-type: none"><li>• Latchbolt operated by lever either side, except when both are locked out.</li><li>• Key inside operates latchbolt when both levers are locked out.</li><li>• Deadlock actuator.</li></ul>	<ul style="list-style-type: none"><li>• 10602E: Both levers are locked, except when power is applied.</li><li>• 10602EP: Both levers are unlocked, except when power is applied.</li></ul>
1603		<ul style="list-style-type: none"><li>• Latchbolt operated by lever both sides, except when outside lever is locked out.</li><li>• Key outside operates latchbolt when outside lever is locked out.</li></ul>	<ul style="list-style-type: none"><li>• Lever inside always active.</li><li>• Deadlock actuator.</li><li>• 10603E: Outside lever is locked, except when power is applied.</li><li>• 10603EP: Outside lever is unlocked, except when power is applied.</li></ul>
1604		<ul style="list-style-type: none"><li>• Latchbolt operated by lever either side, except when inside lever is locked out.</li><li>• Key inside operates latchbolt when inside lever is locked out.</li><li>• Lever outside always active.</li></ul>	<ul style="list-style-type: none"><li>• Deadlock actuator.</li><li>• 10604E: Inside lever is locked, except when power is applied.</li><li>• 10604EP: Inside lever is unlocked, except when power is applied.</li></ul>
1605		<ul style="list-style-type: none"><li>• Latchbolt operated by lever both sides, except when locked out.</li><li>• Key both sides operates latchbolt when both levers are locked out.</li><li>• Deadlock actuator.</li></ul>	<ul style="list-style-type: none"><li>• 10605E: Both levers are locked, except when power is applied.</li><li>• 10605EP: Both levers are unlocked, except when power is applied.</li></ul>



# Electric Locks

## 10600 Institutional Mortise Lock

### FUNCTIONS CNT.

1606		<ul style="list-style-type: none"><li>• Latchbolt operated by lever inside, except when locked out.</li><li>• Key outside operates latchbolt.</li><li>• Lever outside always rigid.</li></ul>	<ul style="list-style-type: none"><li>• Dead lock actuator.</li><li>• 10606E: Inside lever is locked, except when power is applied.</li><li>• 10606EP: Inside lever is unlocked, except when power is applied.</li></ul>
1607		<ul style="list-style-type: none"><li>• Latchbolt operated by inside lever, except when locked out.</li><li>• Key both sides operates latchbolt.</li><li>• Lever outside always rigid.</li></ul>	<ul style="list-style-type: none"><li>• Deadlock actuator.</li><li>• 10607E: Inside lever is locked, except when power is applied.</li><li>• 10607EP: Inside lever is unlocked, except when power is applied.</li></ul>
1608		<ul style="list-style-type: none"><li>• Latchbolt operated by lever outside, except when locked out.</li><li>• Key both sides operates latchbolt.</li><li>• Lever inside always rigid.</li></ul>	<ul style="list-style-type: none"><li>• Deadlock actuator.</li><li>• 10608E: Outside lever is locked, except when power is applied.</li><li>• 10608EP: Outside lever is unlocked, except when power is applied.</li></ul>
1609		<ul style="list-style-type: none"><li>• Latchbolt operated by lever outside, except when locked out.</li><li>• Key inside operates latchbolt.</li><li>• Lever inside always rigid.</li></ul>	<ul style="list-style-type: none"><li>• Deadlock actuator.</li><li>• 10609E: Outside lever is locked, except when power is applied.</li><li>• 10609EP: Outside lever is unlocked, except when power is applied.</li></ul>



# Mechanical Locks



# Southern Steel



# Mechanical Locks

## 1010A Deadlock



### STANDARD FEATURES

- Mechanical deadlock
- Six heavy-duty tumblers
- Mounting fasteners

### APPLICATION

For small swinging doors on access panels, plumbing chases, control cabinets, etc.

### FUNCTION

Key activated locking and unlocking.

### OPTIONAL FEATURES

**EXTENDED BOLT** - Used for stop side mounting. Specify "1-1/4".

**HOLLOW METAL MOUNTING** - Used for hollow metal door application.

Specify "HM. (See page G17) GRATING DOOR MOUNTING -

Used for grating door application. Specify "G."

**PLATE DOOR MOUNTING** - Used for steel plate door application. Specify "P."

**BOLT KEEPER OPTIONS** - (Must be specified separately):

4C - Bolt keeper with dustbox

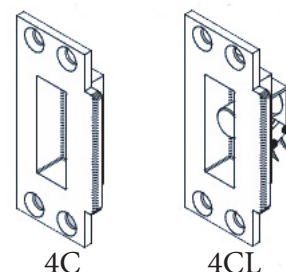
4CL - Bolt keeper with switch

NOTE: All bolt keepers are supplied with security fasteners.

NOTE: All bolt keepers are supplied with security fasteners.

1010A-1: KEYED ONE SIDE  
1010A-2: KEYED BOTH SIDES

BOLT KEEPERS



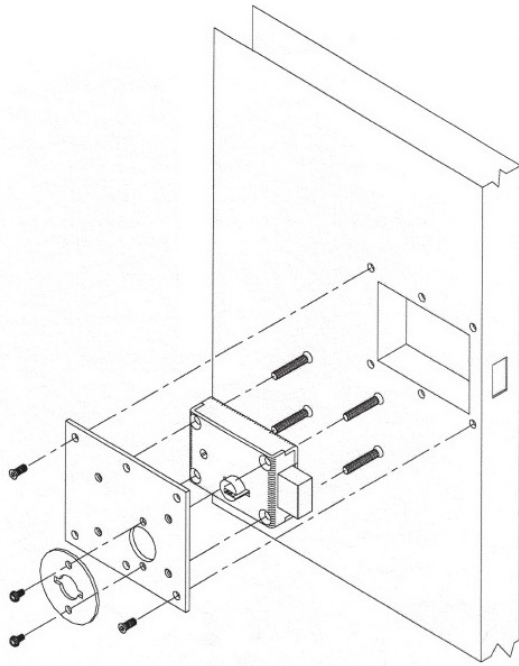
4C

4CL



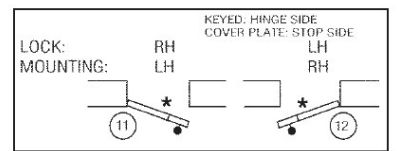
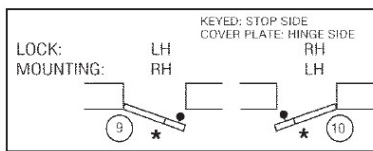
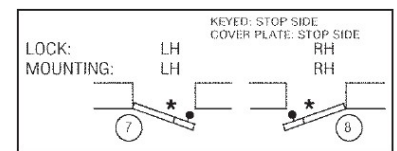
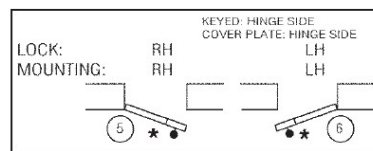
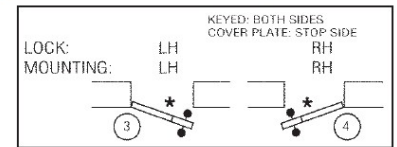
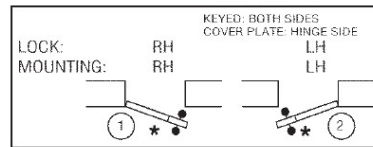
# Mechanical Locks

## 1010A Deadlock



HM Mounting Shown

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Latchbolt	Steel
Paracentric Cylinder	Silicon bronze/copper alloy
Tumbler	tumblers per lock
Lock Size	4.4" L x 3.15" H x 1.35" TK
Lock Weight	4.5 lbs
Latchbolt Size	1-1/2" H x 3/4" TK
Latchbolt Throw	5/8"

Astm F 1577 Certified Impact Test-Grade1



# Mechanical Locks

## 1010AM Deadlock



### STANDARD FEATURES

- Mechanical deadlock
- 6 pin tumblers
- Mounting fasteners

### APPLICATION

For small swinging doors on access panels, plumbing chases, control cabinets, etc.

### FUNCTION

Mogul key activated locking and unlocking.

### OPTIONAL FEATURES

EXTENDED BOLT - Used for stop side mounting. Specify "1-1/4" ."

HOLLOW METAL MOUNTING - Used for hollow metal door application. Specify "HM."

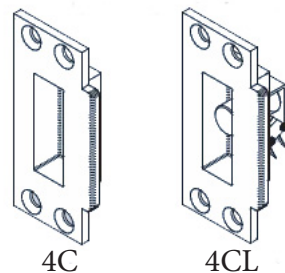
MASTER KEYING AVAILABLE.

BOLT KEEPER OPTIONS - (Must be specified separately):

4C - Bolt keeper with dustbox 4CL - Bolt keeper with switch

NOTE: All bolt keepers are supplied with security fasteners.

#### BOLT KEEPERS

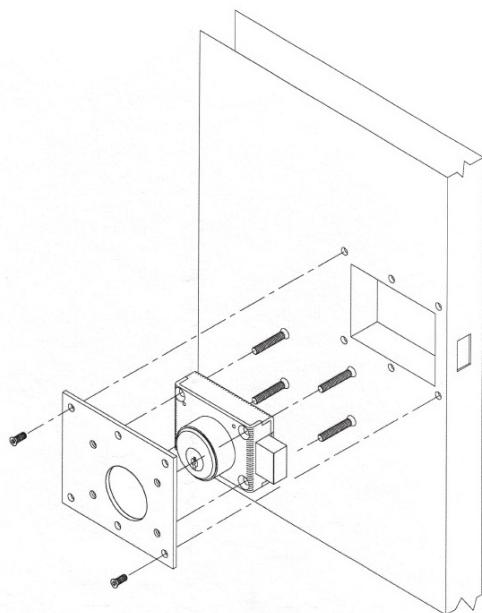


1010AM-1: KEYED ONE SIDE  
1010AM-2: KEYED BOTH SIDE



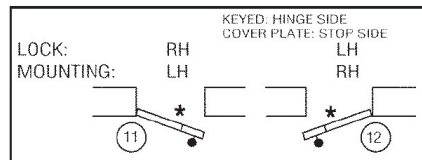
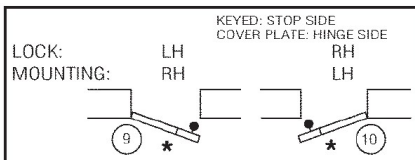
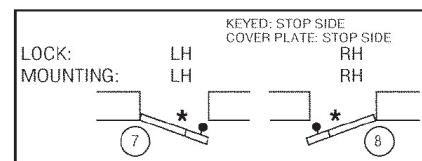
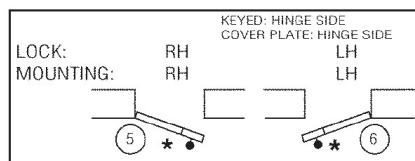
# Mechanical Locks

## 1010AM Deadlock



HM Mounting Shown

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Lockbolt	Stainless Steel
Mogul Cylinder	US26D
Mogul Keys	Nickel Silver
Pin Tumblers and Engaging Balls	6 tumblers per lock
Lock Case Size	4.4" L x 3.15" H x 1.35" TK
Lock Weight	5.5 lbs
Lockbolt Size	1-1/2" H x 3/4" TK
Lockbolt Throw	5/8"



# Mechanical Locks

## 1017A Snaplatch



### STANDARD FEATURES

- Automatic snaplatch
- Six heavy-duty tumblers
- Mounting fastener

### APPLICATION

For food passes, observation shutters and other small swinging doors where snaplatching is desired.

### FUNCTION

Key activated unlatching. Snaplatches upon closing.

### OPTIONAL FEATURES

EXTENDED BOLT - Used for hollow metal door mounting. Specify "1 inch".

THUMBTURN - Retracts latchbolt without key. Specify "1017AT".

HOW TO ORDER:

Specify:

1. Quantity
2. Key code instructions

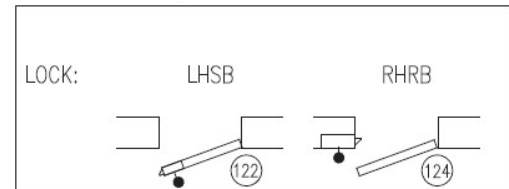
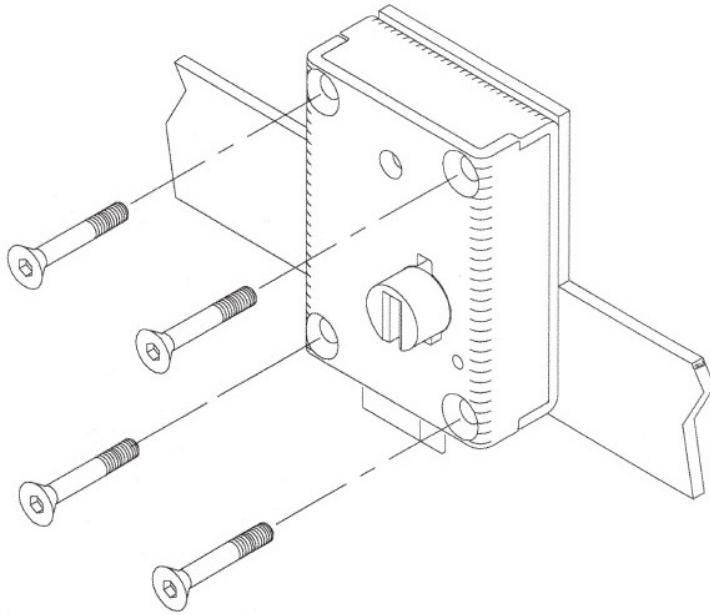
1017A-1: KEYED ONE SIDE





# Mechanical Locks

## 1017A Snaplatch



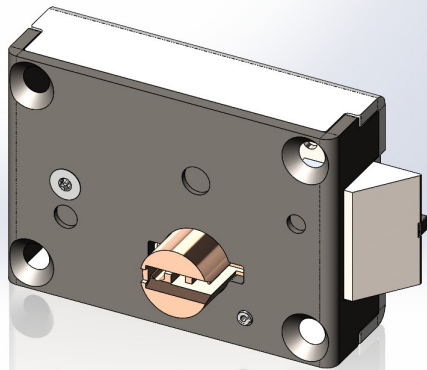
## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Lockbolt	Steel
Paracentric Cylinder	US26D
Mogul Keys	Nickel Silver
Pin Tumblers and Engaging Balls	6 tumblers per lock
Lock Case Size	4.4" L x 3.15" H x 1.35" TK
Lock Weight	5.5 lbs
Lockbolt Size	1-1/2" H x 3/4" TK
Lockbolt Throw	5/8"



# Mechanical Locks

## 1017AD Snaplatch



### STANDARD FEATURES

- Automatic snaplatch
- Six heavy-duty tumblers
- Mounting fasteners

### APPLICATION

For food passes, observation, shutters, and other small swinging doors where Snaplatching is desired. In a detention facility, these locks are suitable for securing utility access doors and small indoor shutters, such as a food pass. Commercial building application possibilities are numerous and include the locking of all types of panels that provide access to mechanical spaces.

### FUNCTION

Key activated unlatching. Snaplatches upon closing. Automatic deadlocking latch affording the convenience of “slam” locking

### OPTIONAL FEATURES

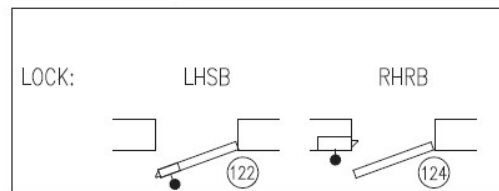
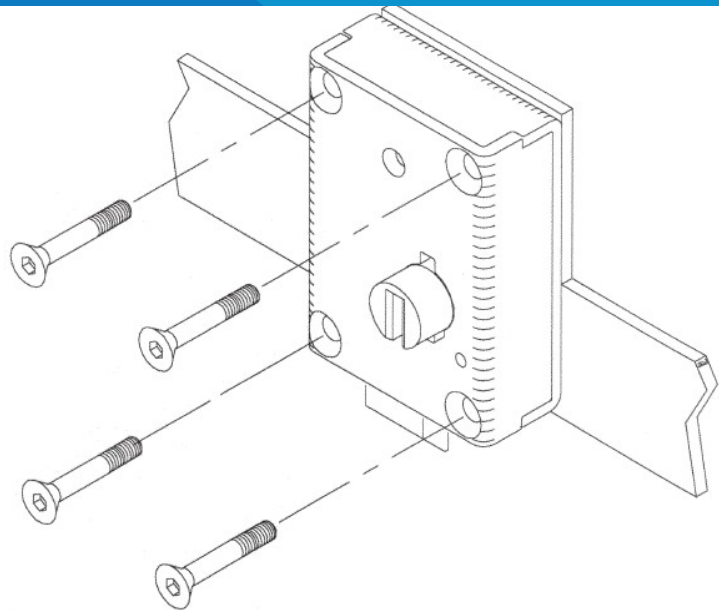
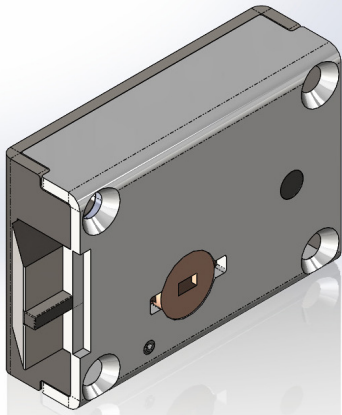
EXTENDED BOLT - Used for hollow metal door mounting. Specify “1 inch”.

1017A-1: KEYED ONE SIDE



# Mechanical Locks

## 1017AD Snaplatch



## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Lockbolt	Steel
Paracentric Cylinder	Silicon bronze/ copper alloy
Tumblers	6 tumblers per lock
Lock Size	4.4" L x 3.15" H x 1.35" TK
Lock Weight	3 lbs
Lockbolt Size	1-1/2" H x 3/4" TK
Latchbolt	5/8" extended 1/2" travel



# Mechanical Locks

## 1017AM Snaplatch



### STANDARD FEATURES

- Automatic snaplatch
- Six pin tumblers
- Mounting fasteners
- Finish US26D

### APPLICATION

For food passes, observation shutters and other small swinging doors where snaplatching is desired.

### FUNCTION

Key activated unlatching. Snaplatches upon closing.

### OPTIONAL FEATURES

EXTENDED BOLT - Used for hollow metal door mounting. Specify "1 inch".

NOTE: Master keying available.

#### HOW TO ORDER:

Specify:

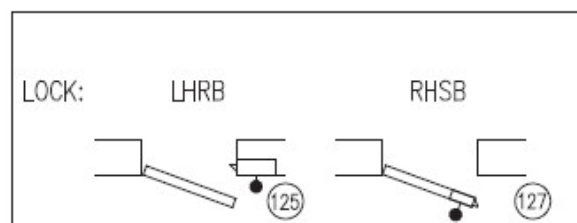
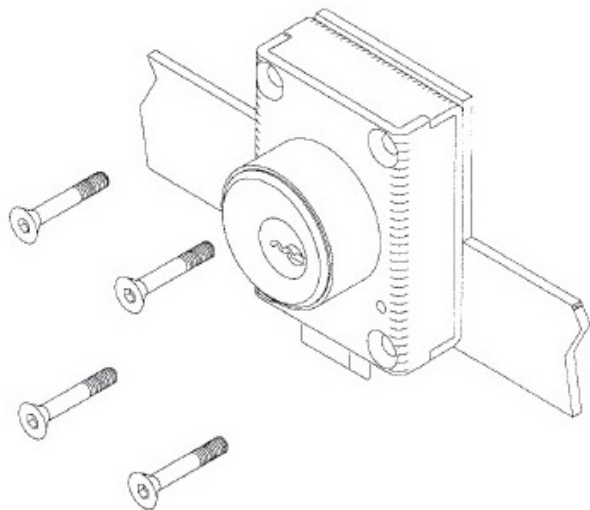
1. Quantity
2. Key code instructions
3. 5/8" or 1" bolt extension

1017AM-1: KEYED ONE SIDE



# Mechanical Locks

## 1017AM Snaplatch



## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Latchbolt	Stainless Steel
Mogul Cylinder	US26D
Mogul Keys	Nickel Silver
Pin Tumblers and Engaging Balls	6 tumblers per lock
Lock Case Size	4.4" L x 3.15" H x 1.35" TK
Lock Weight	5 lbs
Lockbolt Size	1-1/2" H x 3/4" TK
Lockbolt Throw	5/8" Extended 1/2" Travel





# Mechanical Locks

## 1030A Deadlock



### STANDARD FEATURES

- Automatic deadlock
- Six heavy-duty tumblers
- Mounting fasteners

### APPLICATION

High security sliding doors at holding cells, medium-to-low traffic corridors and cutoff doors. Sliding door normally requires a Model 1300 Track Set.

### FUNCTION

Key activated unlocking. Hook bolt snaplocks upon closing. Final 3/8" of door travel pushes plunger pin against door jamb and deadlocks bolt.

### OPTIONAL FEATURES

**KNOB FUNCTION** - Knob will retract hook bolt. Knob on one side only. No key required. Specify "1030AK." Knob finish US26D.

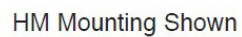
**HOLLOW METAL MOUNTING** - Used for hollow metal door application. Specify "HM."

**GRATING DOOR MOUNTING** - Used for grating door application. Specify "G."


1030A-1: KEYED ONE SIDE  
1030A-2: KEYED BOTH SIDES

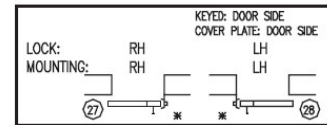


## 1030A Deadlock



KEYED: BOTH SIDES  
COVER PLATE: DOOR SIDE

LOCK: NH RH NH LH  
MOUNTING: 



## TECHNICAL DATA

<b>Standard Finish</b>	Galvanized
<b>Cover</b>	Cold-rolled Steel
<b>Case</b>	Ductile iron
<b>Hookbolt</b>	Cold-rolled, case-hardened steel
<b>Paracentric Cylinder</b>	Silicon bronze/ copper alloy
<b>Tumblers</b>	6 tumblers per lock
<b>Lock Size</b>	4.4" L x 3.15" H x 1.35" TK
<b>Lock Weight</b>	3 lbs
<b>Lockbolt Size</b>	1-1/2" H x 3/4" TK
<b>Latchbolt</b>	5/8" extended 1/2" travel

# Mechanical Locks

## 1030AD Deadlock



### STANDARD FEATURES

- Manual deadlocking
- Six heavy-duty tumblers
- Mounting fasteners

### APPLICATION

High security sliding doors at holding cells, low traffic corridors and cutoff doors. Sliding door normally requires a Model 1300 Track Set.

### FUNCTION

Key activated locking and unlocking of hook bolt. Does not snaplock upon closing.

### OPTIONAL FEATURES

**KNOB FUNCTION** - Knob will retract hook bolt. Knob on one side only. No key required. Specify "1030ADK." Knob finish US26D.

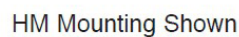
**HOLLOW METAL MOUNTING** - Used for hollow metal door application. Specify "HM."

**GRATING DOOR MOUNTING** -  
Used for grating door application. Specify "G."

1030AD-1: KEYED ONE SIDE  
1030AD-2: KEYED BOTH SIDES



## 1030AD Deadlock

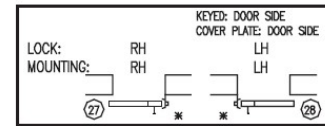


KEYED: BOTH SIDES  
COVER PLATE: DOOR SIDE

LOCK: NH  
MOUNTING: RH

LOCK: NH  
MOUNTING: LH

25 26

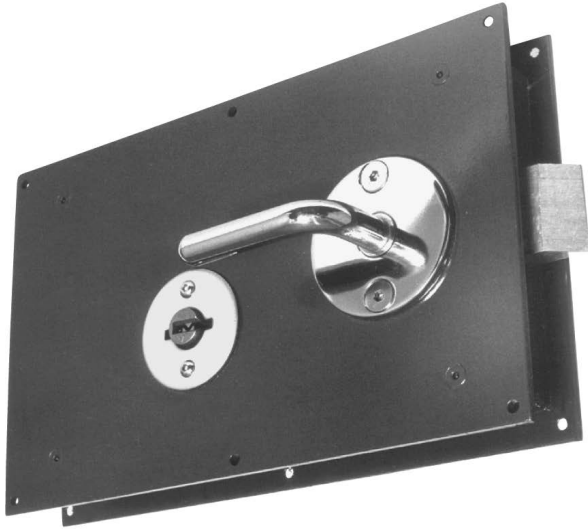


## TECHNICAL DATA

<b>Standard Finish</b>	Galvanized
<b>Cover</b>	Cold-rolled Steel
<b>Case</b>	Ductile iron
<b>Hookbolt</b>	Cold-rolled, case-hardened steel
<b>Paracentric Cylinder</b>	Silicon bronze/ copper alloy
<b>Tumblers</b>	6 tumblers per lock
<b>Lock Size</b>	4.4" L x 3.15" H x 1.35" TK
<b>Lock Weight</b>	3 lbs
<b>Lockbolt Size</b>	1-1/2" H x 3/4" TK
<b>Latchbolt</b>	5/8" extended 1/2" travel

# Mechanical Locks

## 10370A Cremone Bolt Set with Snaplatch



### APPLICATION

For single swinging doors or active leaf of swinging pair of doors in high security areas where slamlocking is desired. Use 10380AI for inactive leaf.

### FUNCTION

Key activated locking and unlocking. Combination snaplatch and deadlock for center locking. Head and foot rods secure doors at top and bottom for three point locking. The rods are operated by lever handle. Foot rod floor receptacle is available.

### STANDARD FEATURES

- Automatic snaplatch
- Six heavy-duty tumblers
- Three-point locking
- Lever handles
- Strike (470C) with security fasteners
- Mounting fasteners
- Head and foot rods
- Rods manufactured for standard 7'0" door height. For doors less than 7'0", field cut rods to suit. For doors over 7'0", contact Customer Service
- 10105R Floor receptacle

### OPTIONAL FEATURE

#### 10105 HEAD OR FOOT BOLT

#### Bolt Keepers/Strikes



470C  
(Standard)



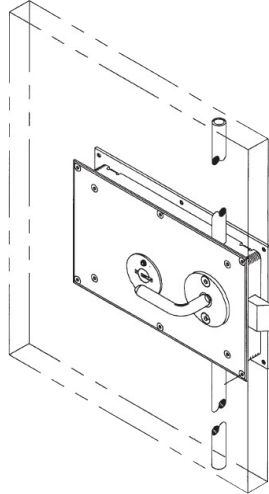
470CL  
(Optional)

10370AA-1: ACTIVE-KEYED ONE SIDE  
10370AA-2: ACTIVE-KEYED BOTH SIDES



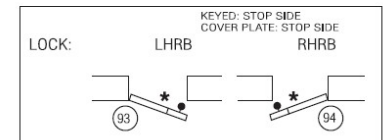
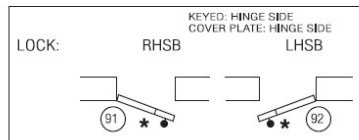
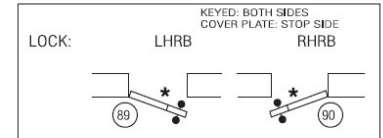
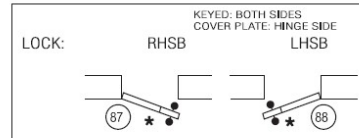
# Mechanical Locks

## 10370A Cremone Bolt Set with Snaplatch



HM Mounting Shown

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

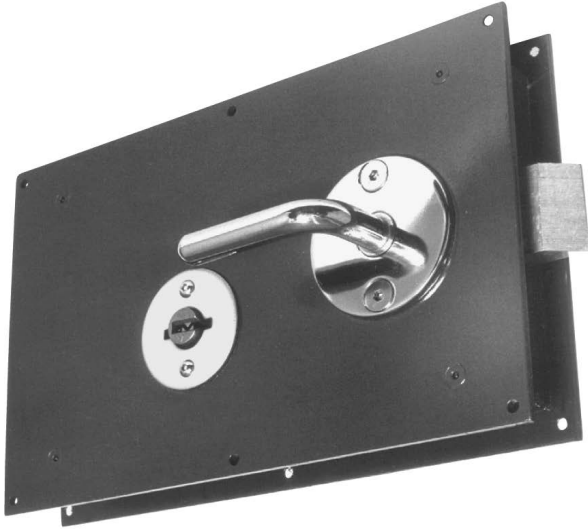
Standard Finish	Galvanized (Lever us US26)
Lockbolt	Cold rolled steel with hardened steel insert pins.
Case	Steel
Paracentric Cylinder	Silicon bronze/ copper alloy
Tumblers	6 tumblers per lock
Lock Size	15-5/16" L x 9-1/2" H x 2-1/6"TK
Lock Weight	60 lbs
Lockbolt Size	2" H x 3/4"
Lockbolt Throw	3/4"





# Mechanical Locks

## 10380A Cremone Bolt Set with Deadlock



### APPLICATION

For single swinging doors or active leaf of swinging pair of doors in high security areas where slamlocking is desired. Use 10380AI for inactive leaf.

### FUNCTION

Key activated locking and unlocking. Combination snaplatch and deadlock for center locking. Head and foot rods secure doors at top and bottom for three point locking. The rods are operated by lever handle. Foot rod floor receptacle is available.

### STANDARD FEATURES

- Manual deadlock
- Six heavy-duty tumblers
- Three-point locking
- Lever handles
- Mounting fasteners
- Head and foot rods
- Rods manufactured for standard 7'0" door height. For doors less than 7'0", field cut rods to suit. For doors over 7'0", contact Customer Service.
- 10105R Floor receptacle

### OPTIONAL FEATURE

#### 10105 HEAD OR FOOT BOLT

Bolt Keepers/Strikes



470C  
(Standard)



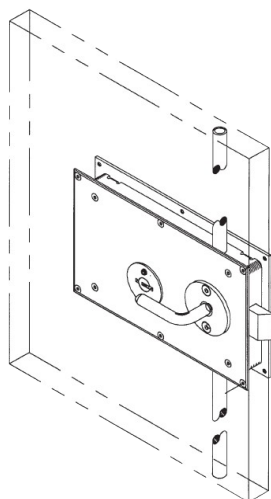
470CL  
(Optional)

10370AA-1: ACTIVE-KEYED ONE SIDE  
10370AA-2: ACTIVE-KEYED BOTH SIDES



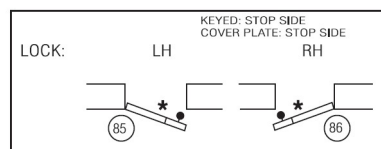
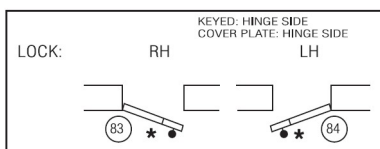
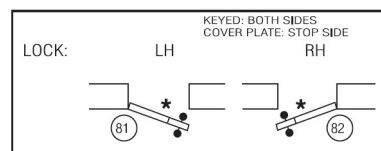
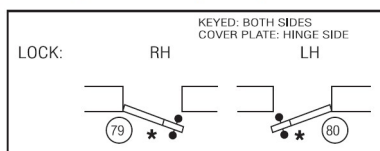
# Mechanical Locks

## 10380A Cremone Bolt Set with Deadlock



HM Mounting Shown

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized (Lever us US26)
Lockbolt	Cold rolled steel with hardened steel insert pins.
Paracentric Cylinder	Silicon bronze/ copper alloy
Tumblers	6 tumblers per lock
Lock Size	15-5/16" Lx 9-1/2" H x 2-1/8"TK
Lock Weight	60 lbs
Lockbolt Size	2" H x 3/4"
Lockbolt Throw	3/4"



# Mechanical Locks

## 1070A Combination Spring and Deadlock

## 1070AK.a Combination Spring and Deadlock



1070A-1: KEYED ONE SIDE  
1070A-2: KEYED BOTH SIDES

### APPLICATION

For high security swinging doors where slamlocking is desired.

### FUNCTION

Key activated unlocking. Automatically snaplocks and deadlocks upon closing. Latchbolt unlocks with a half turn of the key.



1070AK.a-1: KEYED ONE SIDE  
1070AK.a-2: KEYED BOTH SIDES

### APPLICATION

For high security swinging doors where slamlocking is desired along with the convenience of knob operation in areas where manual deadlocking with a key is desired.

### FUNCTION

Automatically snaplocks and deadlocks upon closing. Knobs unlock with a 1/2 turn of the key. Quarter turn of the key in the opposite direction deadlocks the knobs. Knob will retract the latchbolt in both directions, except when deadlocked. One side or two knob operation.

### OPTIONAL FEATURES

**HOLLOW METAL MOUNTING** - Used for hollow metal door application. Specify "HM."

**GRATING DOOR MOUNTING** - Used for grating door application. Specify "G."

**PLATE DOOR MOUNTING** - Used for steel plate door application. Specify "P." 470CL Bolt Keeper with switch

**GRATING DOOR MOUNTING** - Used for grating door application. Specify "G."

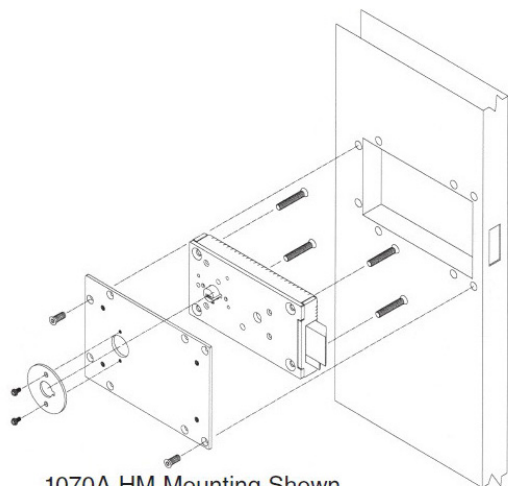
### STANDARD FEATURES

- Mechanical deadlock
- Six heavy-duty tumblers
- Mounting fasteners
- 470C Bolt Keeper with dust box

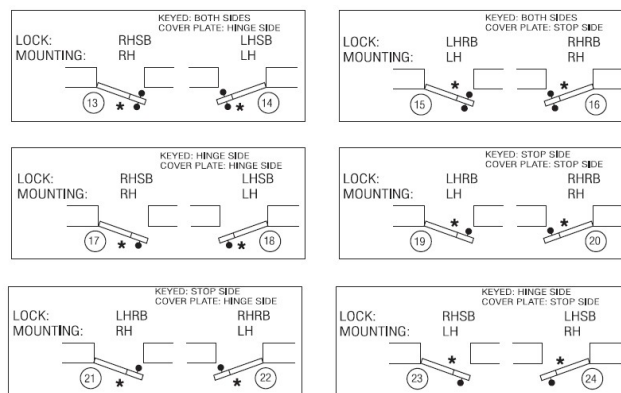


# Mechanical Locks

## 1070A Combination Spring and Deadlock 1070AK.a Combination Spring and Deadlock



1070A HM Mounting Shown



\* Indicates lock mounting/access plate side.

**Swing Chart:** Specify circled swing number when ordering.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Deadlock Actuator	Stainless Steel
Paracentric Cylinder	Silicon bronze/ copper alloy
Tumblers	6 tumblers per lock
Lock Size	9" L x 5" H x 1-1/2" TK
Lock Weight	11 lbs
Lockbolt Size	2" H x 3/4" TK
Lockbolt Throw	3/4"
Latchbolt	Stainless steel with (2) 1/4" diameter case-hardened steel insert pins

UL Listed for use on three hour fire doors.  
ASTM F1577 Certified Impact Test-Grade 1



# Mechanical Locks

## 1080A Deadlock



### STANDARD FEATURES

- Manual deadlock
- Six heavy-duty tumblers
- Mounting fasteners

### APPLICATION

For swinging cell, corridor, storage room and high security doors where slamlocking is not required.

### FUNCTION

Key activated locking and unlocking. Deadlocks in both locked and unlocked position.

### OPTIONAL FEATURES

**HOLLOW METAL MOUNTING** - Used for hollow metal door application. Specify "HM."

**GRATING DOOR MOUNTING** - Used for grating door application. Specify "G."

**PLATE DOOR MOUNTING** - Used for steel plate door application. Specify "P." 470CL Bolt Keeper with switch.

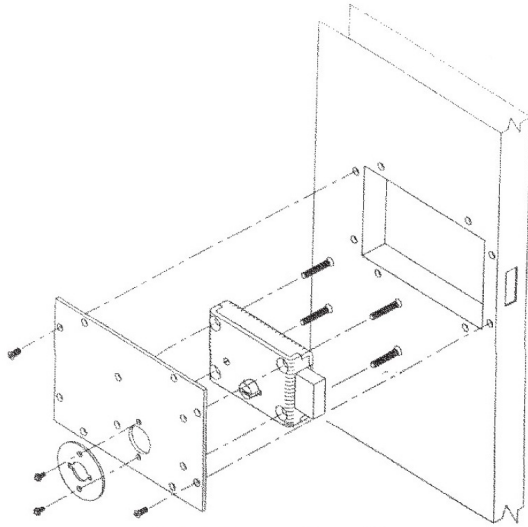
**GRATING DOOR MOUNTING** - Used for grating door application. Specify "G."

1080A-1: KEYED ONE SIDE  
1080A-2: KEYED BOTH SIDES



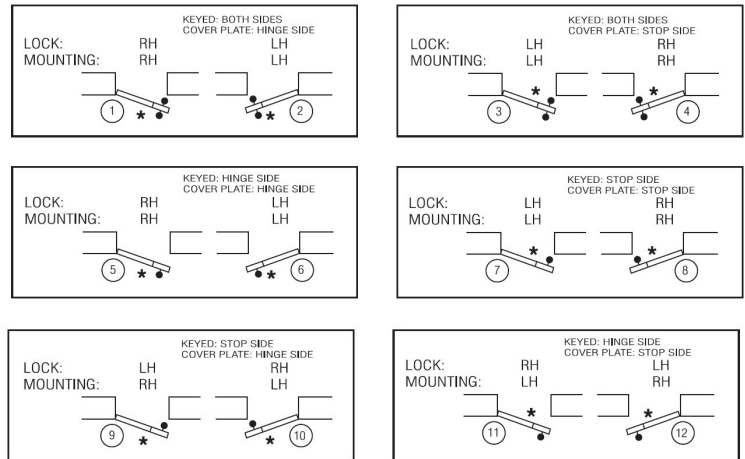
# Mechanical Locks

## 1080A Deadlock



HM Mounting Shown

**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	Steel
Case	Steel
Deadlock Actuator	2" H x 3/4" TK Stainless Steel
Paracentric Cylinder	Silicon bronze/ copper alloy
Tumblers	6 tumblers per lock
Lock Size	9" L x 5" H x 1-1/2" TK
Lock Weight	11 lbs
Lockbolt Size	2" H x 3/4" TK
Lockbolt Throw	3/4"
Latchbolt	Stainless steel with (2) 1/4" diameter case-hardened steel insert pins

UL Listed for use on three hour fire doors.





# Mechanical Locks

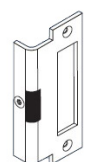
## 10500 Institutional Mortise Lock



### STANDARD FEATURES

- Lever handles
- Mogul cylinder(s)
- Strike 500B with replaceable high-performance plastic insert in lip. Includes security fasteners
- Faceplate with security fasteners
- Mounting fasteners
- High security rose with security fasteners
- Finish US32D

#### BOLT STRIKES



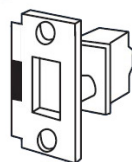
500B  
View 1



500B  
View 2



500C



500CL  
(500CLDB similar)

### APPLICATION

Designed for minimum and medium security areas where lever or knob operation is required. Available in a variety of styles utilizing several deadbolt/latchbolt combinations.

### FUNCTION

A variety of functions are available to meet job requirements. See function chart.

### OPTIONAL FEATURES

- BUILDER'S HARDWARE CYLINDER(S) – Specify "BHC."
- STANDARD KNOBS – Specify "K."
- SAFETY KNOBS – Specify "SK."
- LEVER/SAFETY KNOB – Specify "L/SK."
- LEVER/STANDARD KNOB – Specify "L/K."
- STRIKE WITH DUST BOX – Specify "500C."
- STRIKE WITH INDICATION – Specify "500CL."
- DEADBOLT INDICATION – Visual indication of deadbolt position. Green indicates extended (bolted) and Red indicates retracted (unbolted) position. Mounts on front of door, hinge side only. Specify "SD."

NOTE: For functions without outside or inside handles, we recommend the use of a door pull.

NOTE: If levers, knobs and safety knobs are used in combination, specify hinge or stop side for each type. (Specify "L" for lever, "K" for standard knob and "SK" for safety knob.)

#### BOLT STRIKE OPTIONS-

(Must be specified separately):

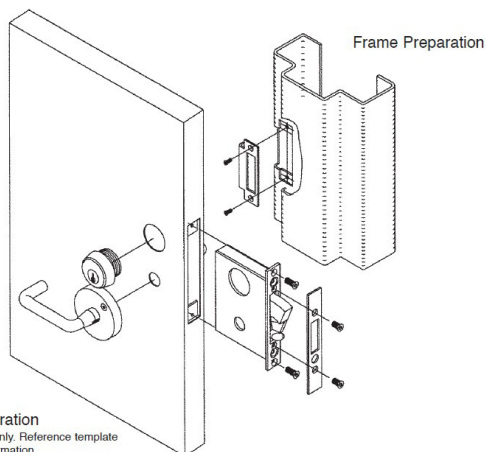
- 500C - Bolt strike with dust box
- 500CL - Bolt strike with switch
- 500CLDB - For use on deadbolt locks

NOTE: All boltstrikes are supplied with security fasteners.

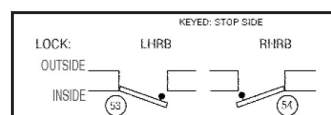
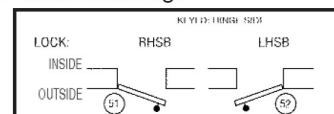
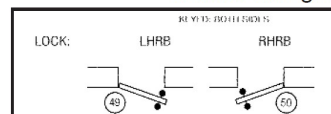


# Mechanical Locks

## 10500 Institutional Mortise Lock



**Swing Chart :** Compare swing to function listed for lock. Specify circled swing number when ordering.



## TECHNICAL DATA

Standard Finish	US32D
Cover	7 gauge steel
Case	7 gauge steel
Strike	10 gauge stainless steel only
Face Plate	16 gauge stainless steel
Latchbolt	Cast stainless steel
Deadbolt	Stainless steel 1 - 1/4" H x 3/4" TK
Deadlock Actuator	Stainless steel
Lever Handles	Stainless steel
Latchbolt Size	1-1/8" H x 3/4" TK
Key Cylinder	Mogul or Builder's
Lock Weight	20 lbs.
Latchbolt Throw	1"
Deadbolt Throw	1"

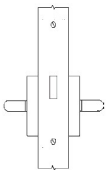
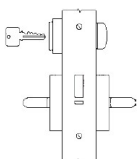
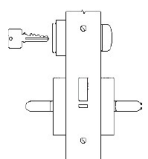
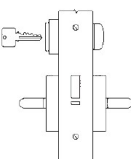
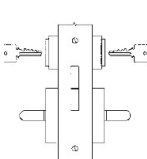
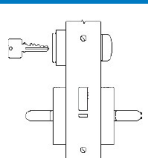
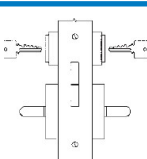
**FITS ANSI DOOR PREP. A115. • 1 Listed for use on three-hour fire doors, except 10516, 10517 and 10518. • ASTM F1577 Certified Impact Test-Grade 1**



# Mechanical Locks

## 10500 Institutional Mortise Lock

### FUNCTIONS

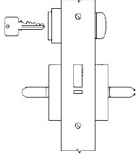
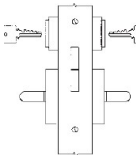
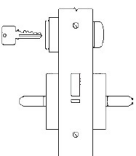
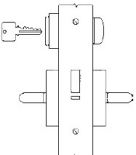
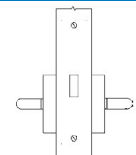
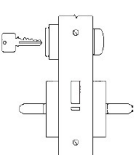
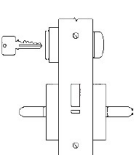
10501		<b>10501 Passage or Closet Latch</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side.</li> </ul>
10504		<b>10504 Entry Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side, except when outside lever is locked by inside thumbturn.</li> <li>Deadlock actuator.</li> <li>When outside lever is locked, latchbolt operated by key outside, lever inside.</li> </ul>
10505		<b>10505 Entry Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side, except when outside lever is locked by key outside.</li> <li>Lever inside is always active.</li> <li>Deadlock actuator.</li> </ul>
10507		<b>10507 Storeroom or Closet Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by key outside, lever inside.</li> <li>Lever outside always rigid.</li> <li>Deadlock actuator.</li> </ul>
10509		<b>10509 Apartment, Exit or Toilet Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side except when outside lever is locked by key from inside.</li> <li>Deadlock actuator.</li> <li>When outside lever is locked, latchbolt is operated by key outside, lever inside.</li> </ul>
10513		<b>10513 Dormitory or Exit Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever from either side.</li> <li>Deadbolt projected by key outside, and thumbturn inside.</li> <li>Lever inside simultaneously operates both bolts.</li> </ul>
10514		<b>10514 Store Door Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side.</li> <li>Deadbolt operated by key both sides.</li> </ul> <b>10514 Modified Store Door Lock</b> <ul style="list-style-type: none"> <li>Latchbolt operated by lever either side.</li> <li>Latchbolt and deadbolt operated by key either side.</li> </ul>



# Mechanical Locks

## 10500 Institutional Mortise Lock

### FUNCTIONS CNT.

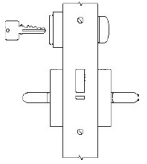
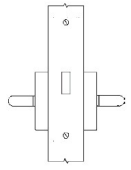
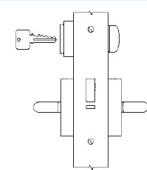
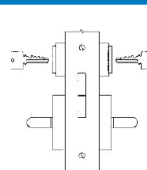
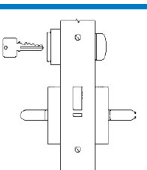
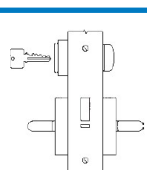
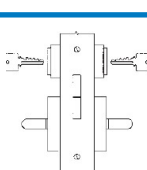
10515		<b>10515 Modified Hotel Guest Lock</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside or by key outside.</li> <li>• Deadbolt operated by thumbturn inside or by key outside.</li> </ul>	<ul style="list-style-type: none"> <li>• Lever outside always rigid.</li> <li>• Lever inside simultaneously operates both bolts.</li> <li>• Deadlock actuator.</li> </ul>
10516		<b>10516 Deadlock</b> <ul style="list-style-type: none"> <li>• Deadbolt is operated by key either side</li> </ul>	
10517		<b>10517 Deadlock</b> <ul style="list-style-type: none"> <li>• Deadbolt is operated by key outside, thumbturn inside.</li> </ul>	
10518		<b>10518 Deadlock</b> <ul style="list-style-type: none"> <li>• Deadbolt is operated by key from outside.</li> </ul>	
10519		<b>10519 Privacy, Bedroom or Bath Lock</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever either side.</li> <li>• Deadbolt operated by thumbturn inside, emergency release outside.</li> </ul>	<ul style="list-style-type: none"> <li>• Lever inside simultaneously operates both bolts.</li> <li>• No key operation</li> </ul>
10520		<b>10520 Apartment Corridor Door Lock</b> <ul style="list-style-type: none"> <li>• Deadbolt operated by key outside or thumb turn inside.</li> <li>• Key outside operates latchbolt and deadbolt.</li> <li>• Lever inside simultaneously operates both bolts.</li> </ul>	<ul style="list-style-type: none"> <li>• Lever outside is locked when deadbolt is projected.</li> <li>• When deadbolt is retracted, outside lever is unlocked.</li> <li>• Latchbolt is deadlocked when deadbolt is projected.</li> </ul>
10521		<b>10521 Entrance or Storeroom Door Lock</b> <ul style="list-style-type: none"> <li>• Latchbolt is operated by lever either side.</li> <li>• Deadbolt operated by key outside, thumbturn inside.</li> </ul>	



# Mechanical Locks

## 10500 Institutional Mortise Lock

### FUNCTIONS

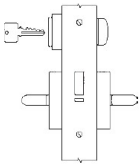
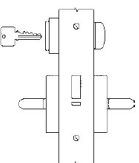
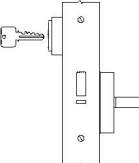
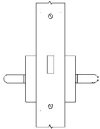
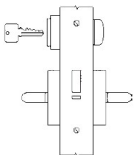
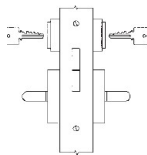
10536		<b>10536 Lockset</b> <ul style="list-style-type: none"> <li>• Inmate Function</li> <li>• Latchbolt and deadbolt operated by master key outside.</li> </ul>	<ul style="list-style-type: none"> <li>• Day key outside and lever inside operate latchbolt only, except when deadbolt is extended.</li> <li>• Lever outside always rigid.</li> <li>• Deadlock actuator</li> </ul>
10561		<b>10561 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever either side, except when deadbolt is extended.</li> <li>• Key outside operates deadbolt.</li> </ul>	
10562		<b>10562 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside, except when deadbolt is extended.</li> <li>• Lever outside always rigid.</li> </ul>	<ul style="list-style-type: none"> <li>• Key outside operates latchbolt and deadbolt.</li> </ul>
10563		<b>10563 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside, except when deadbolt is extended.</li> <li>• Lever outside always rigid.</li> </ul>	<ul style="list-style-type: none"> <li>• Key both sides operates latchbolt and deadbolt.</li> </ul>
10564		<b>10564 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside, except when deadbolt is extended.</li> <li>• Lever outside always rigid.</li> </ul>	<ul style="list-style-type: none"> <li>• Key outside operates latchbolt and deadbolt.</li> <li>• Thumbturn inside operates deadbolt.</li> </ul>
10565		<b>10565 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside, except when deadbolt is extended.</li> <li>• Lever outside always rigid.</li> </ul>	<ul style="list-style-type: none"> <li>• Master key outside operates latchbolt and deadbolt.</li> <li>• Day key operates latchbolt only.</li> </ul>
10566		<b>10566 Lockset</b> <ul style="list-style-type: none"> <li>• Levers both sides always rigid.</li> <li>• Latchbolt and deadbolt operated by master key both sides.</li> <li>• Day key operates latchbolt only</li> </ul>	



# Mechanical Locks

## 10500 Institutional Mortise Lock

### FUNCTIONS CNT.

10571		<b>10571 Lockset</b> <ul style="list-style-type: none"> <li>• Levers always rigid both sides.</li> <li>• Latchbolt operated by key outside.</li> <li>• Deadlock actuator.</li> </ul>
10572		<b>10572 Lockset</b> <ul style="list-style-type: none"> <li>• Levers both sides always rigid.</li> <li>• Latchbolt operated by key both sides.</li> <li>• Deadlock actuator.</li> </ul>
10573		<b>10573 Lockset</b> <ul style="list-style-type: none"> <li>• Lever inside operates latchbolt.</li> <li>• Key outside operates latchbolt.</li> <li>• Deadlock actuator.</li> <li>• No outside lever.</li> </ul>
10574		<b>10574 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside.</li> <li>• Lever outside always rigid.</li> <li>• Deadlock actuator.</li> </ul>
10575		<b>10575 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside unless locked out by key outside.</li> <li>• Lever outside always rigid.</li> <li>• Key outside operates latchbolt.</li> <li>• Deadlock actuator.</li> </ul>
10576		<b>10576 Lockset</b> <ul style="list-style-type: none"> <li>• Latchbolt operated by lever inside unless locked out by key outside.</li> <li>• Lever outside always rigid.</li> <li>• Deadlock actuator.</li> <li>• Key both sides operates latchbolt.</li> </ul>



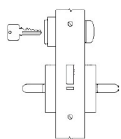


# Mechanical Locks

## 10500 Institutional Mortise Lock

### FUNCTIONS

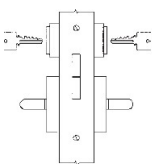
10577



#### 10577 Lockset

- Latchbolt operated by lever both sides unless locked out by key outside.
- Key outside operates latchbolt.
- Deadlock actuator.

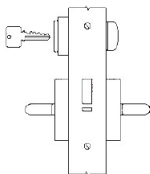
10578



#### 10578 Lockset

- Latchbolt operated by lever both sides unless locked out by key either side.
- Key both sides operates latchbolt.
- Deadlock actuator.

10579



#### 10579 Lockset

- Latchbolt operated by lever inside unless locked out by key outside.
- Key outside operates latchbolt.
- No outside lever.
- Deadlock actuator.



# Pneumatic Locks



# Southern Steel

# Pneumatic Locks

## 10120AP Pneumatically Operated Deadlatch



### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Six tumbler lock
- Plug connector
- Solenoid valve
- Fail secure
- Mounting fasteners
- Mechanical key holdback
- Adjustable roller bolt

**10120AP-1: KEYED ONE SIDE**  
**10120AP-2: KEYED BOTH SIDES**

### APPLICATION

Medium and maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a pneumatic cylinder which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a mogul key at the door, and remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

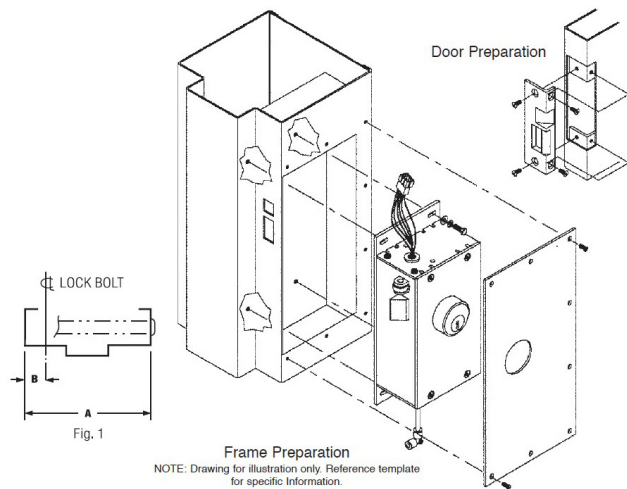
**EMERGENCY EXIT DOOR HOLDBACK** - Deadbolt retracted by solenoid or by key, extended by key only (no snaplatch feature). When deadbolt is extended, lock is deadlocked. Specify "EED." UL listing not available with this function.

**EMERGENCY EXIT RELEASE** From remote location latchbolt can be retracted and held retracted until released from remote station. Requires a second pneumatic tube to the lock and an emergency reserve air system. Specify "EER." UL listing not available with this function.

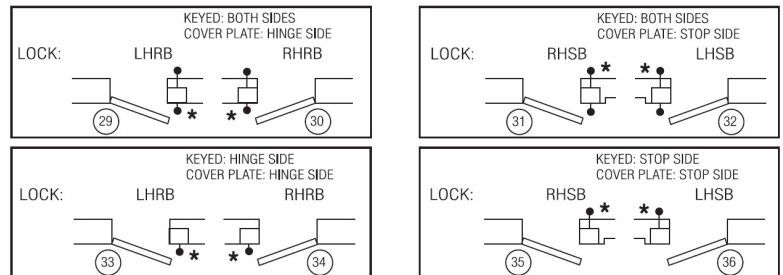


# Pneumatic Locks

## 10120AP Pneumatically Operated Deadlatch



**Swing Chart:** Specify circled swing number when ordering.



\* Indicates both mounting/access plate side.

## TECHNICAL DATA

<b>Standard Finish</b>	Galvanized
<b>Cover</b>	3/16" steel plate
<b>Case</b>	3/16" steel plate
<b>Latchbolt</b>	Cold-rolled steel
<b>Deadlock Actuator</b>	Stainless steel
<b>PARACENTRIC CYLINDER</b>	Silicon bronze/copper alloy
<b>Wire Requirements</b>	When electric operation of the door is from a remote station, a minimum of five conductors (minimum 14 gauge) are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.



# Pneumatic Locks

## 10300P Pneumatically Operated Deadlatch



### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Faceplate with security fasteners
- Plug connector
- Solenoid valve
- Fail secure
- Mounting fasteners

Note #1: 1-11/16" O.D. x 1/8" wall cold drawn tubes furnished by hollow metal manufacturer.

**10300P-1: KEYED ONE SIDE**  
**10300P-2: KEYED BOTH SIDES**

### APPLICATION

Minimum to medium security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a pneumatic air cylinder which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted with a builder's hardware key at the door, and remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

**LOCAL ELECTRIC KEYSWITCH** - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

**EMERGENCY EXIT RELEASE** - From remote location latchbolt can be retracted and held retracted until released from remote station. Requires a second pneumatic tube to the lock and an emergency reserve air system. Specify "EER." UL listing not available with this function.



# Pneumatic Locks

## 10300P Pneumatically Operated Deadlatch

### OPTIONAL FEATURES CNT.

#### BUILDER'S HARDWARE CYLINDERS -

Specify:

- "10300P-1" keyed one side.
- "10300P-2" keyed both sides.

#### KEY CYLINDER EXTENDER -

Required whenever lock is keyed on stop side. Overall frame depth 4" minimum. Specify "KCE."

Full body rim cylinder required on stop side.

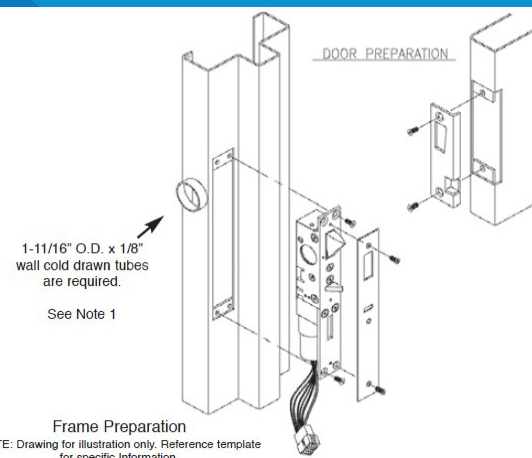
Full body mortise cylinder required on hinge side.

PROVIDE: (See Fig. 1)

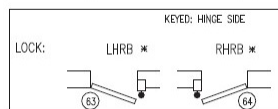
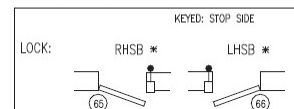
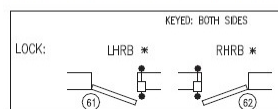
1. Dimension "A" (overall frame width)
2. Dimension "B" (edge of frame to centerline of lockbolt)

### TECHNICAL DATA

Standard Finish	US32D
Lock Body	Stainless Steel
Face Plate	Stainless Steel
Latchbolt	Stainless Steel
Deadlock Actuator	Stainless steel
Electrical	24 VDC, 1.5 watt continuous duty
Air Requirement	Consumption: 44 Cubic inches per operation
Supply Pressure	80 - 100 P.S.I. at the door
Lock Size	10 - 5/8" H x 1-1/2" W x 1- 3/4" D
Lock Weight	3.2 lbs
Latchbolt Size	1-5/8" H x 5/8" TK
Latchbolt Throw	3/4"
Builder's Cylinder	1-5/32" diameter with standard Yale cam or equal



Swing Chart: Specify circled swing number when ordering.



UI Listed For Use On three-hour Fire Doors.  
Astm F 1577 Certified Impact Test-Grade1



# Pneumatic Locks

## 1051P Pneumatically Operated Deadlatch



### APPLICATION

For maximum security swinging doors that are to be unlocked from a remote location. Jamb mounted. Door position indicator switch, door closer and heavy duty door pull are recommended.

### FUNCTION

**ELECTRIC** - Remote switch activates a pneumatic cylinder which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

**MECHANICAL** - Latchbolt is retracted by a paracentric key at the door and remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

Automatic deadlatch feature is suspended when paracentric key is rotated to mechanical key hold-back position. Normal function is resumed when key is returned to deadlocked position.

### STANDARD FEATURES

- Deadlock indication switch
- Mechanical latchback
- Six tumbler lock
- Plug connector
- Solenoid valve
- Fail secure
- Mounting fasteners
- Mechanical key holdback
- Adjustable roller bolt

### OPTIONAL FEATURES

**NO LATCHBACK** - Latchbolt remains retracted as long as control switch is activated. Latchbolt extends when power is removed. Specify "NL."

**EMERGENCY EXIT DOOR HOLDBACK** - Deadbol retracted by solenoid or by key, extended by key only (no snaplatch feature). When deadbolt is extended, lock is deadlocked. Specify "EED." UL listing not available with this function.

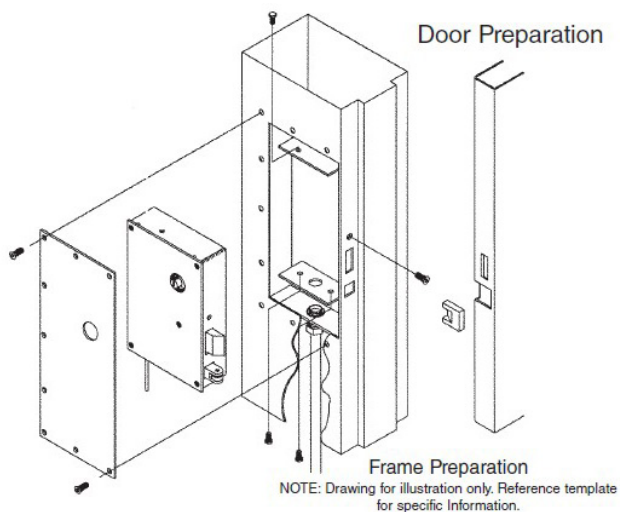
**EMERGENCY EXIT RELEASE** From remote location latchbolt can be retracted and held retracted until released from remote station. Requires a second pneumatic tube to the lock and an emergency reserve air system. Specify "EER." UL listing not available with this function.



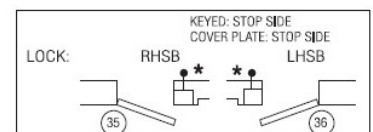
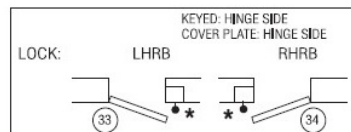
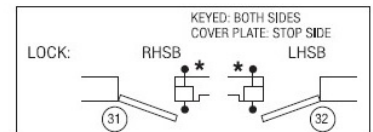
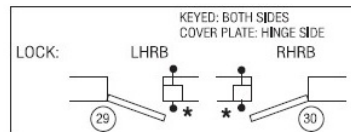


# Pneumatic Locks

## 1051P Pneumatically Operated Deadlatch



**Swing Chart:** Specify circled swing number when ordering.



\* Indicates lock mounting/access plate side.

## TECHNICAL DATA

Standard Finish	Galvanized
Cover	3/16" steel plate
Case	3/16" steel plate
Latchbolt	Cold-rolled steel
Deadlock Actuator	Stainless steel
PARACENTRIC CYLINDER	Silicon bronze/copper alloy
Electrical	24 VDC, inrush: 3A Locked Rotor Current: 1.5A
Wire Requirements	When electric operation of the door is from a remote station, a minimum of five conductors (minimum 14 gauge) are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.



# Locking Systems



# Southern Steel

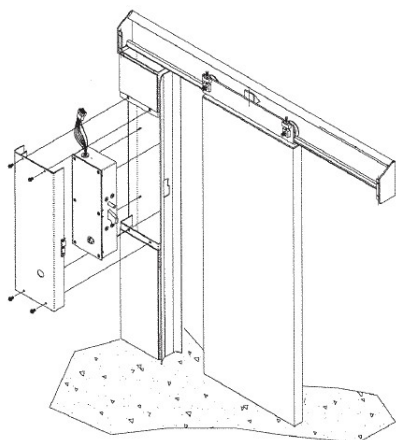


# Locking Systems

## 1300 Track Set



Shown with 1058M Lock and  
Optional Lock Mounting Pilaster



## Application

For manually operated sliding doors where mechanical or electric single-point locking is acceptable.

## FUNCTION

Used with 1030A or 1030AD deadlock. For electric applications, the 1300 Track Set is used with the 1058M Lock (requires optional lock mounting pilaster).

## STANDARD FEATURES

- Adjustable door hanger and roller assembly
- Removable cover
- Door silencers
- Bottom door guide

**CAUTION:** Doors equipped with track and hanger sets are free-wheeling and may present a staff hazard. They should never be left unlocked or under the control of an inmate.

## OPTIONAL FEATURES

- Indication switch in track housing

## TECHNICAL DATA

Cover Box	10 gauge steel
Rollers	2-3/4" outside diameter with permanently lubricated roller bearings



# Locking Systems

## 3150LX.b Electric Locking System



The 3150LX.b system offers complete selective electric operation of sliding doors in a line or group from a remote control station. Doors are operated by electric motors through a rack and pinion drive mechanism over each door. This system also provides emergency mechanical unlocking from a control cabinet at the head of the door line. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard

### FUNCTION

**ELECTRIC** - A remote switch activates a motor which raises a vertical lock bar and propels the door open or closed. Individual lamp indicators on the control panel show locked/unlocked condition. A single switch can provide group unlocking.

**MECHANICAL** - In the absence of electrical power, doors may be individually unlocked with a manual release tool. Door movement is by hand and door will relock in either fully open or closed position.

**EMERGENCY GANG RELEASE** - In an emergency, all doors in a cell line may be simultaneously unlocked from a mechanical release cabinet at the end of the cell line. While in emergency release mode, doors will not relock in any position.

### STANDARD FEATURES

- Bottom door guide
- Door hanger
- Local mechanical release at cover box
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish hollow metal manufacturer.

Specify "3150LX.bP-1" keyed one side.  
Specify "3150LX.bPK-1" for paracentric keyed one side.  
Specify "3150LX.bPKM-1" for mogul keyed one side.

### OPTIONAL FEATURES

**PILASTER RELEASE** – (In lieu of mechanical release cabinet.) Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb.

**ELECTRIC KEYSWITCH** – Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify "3150LX.bPK-1" for paracentric keyed mechanical release mechanism in pilaster.

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify "G" when ordering. Example: 3150LX.b P-1G

**REMOTE PANEL LOCK SYSTEM** - Remote panel option is available with lift-off cover panel only. Not available with standard hinged cover panel. Specify "RP" when ordering. Example: 3150LX.bRP  
**FACTORY WIRED CONTROL CABLE**  
Specify "3150LX.bWC."

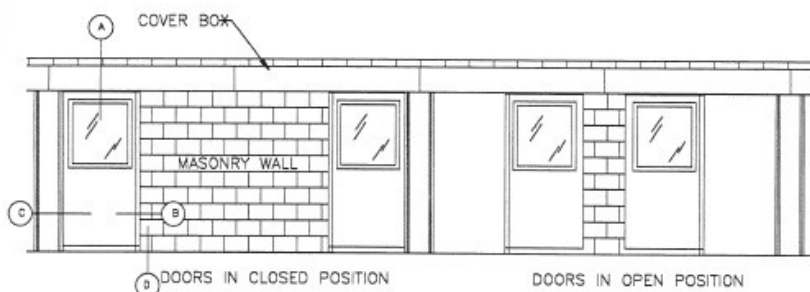


# Locking Systems

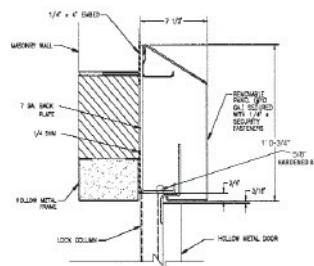
## 3150LX.b Electric Locking System

DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	2' - 4"	2' - 4"	6' - 0"	2' - 6 1/2"
	2' - 6"	2' - 6"	6' - 4"	2' - 8 1/2"
	2' - 8"	2' - 8"	6' - 8"	2' - 10 1/2"
	3' - 0"	3' - 0"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 2"	7' - 8"	3' - 4 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9". For doors exceeding 300 lbs. and/or greater than 3'-2" clear opening, contact factory. THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.

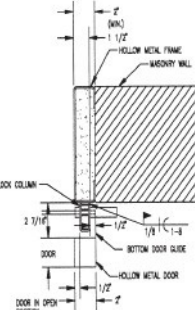


DETAIL A - SLOPED BOX

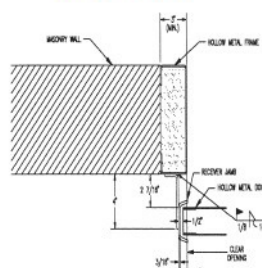


COVER BOX SECTION  
7-1/2" deep x 1'-2 3/4" tall  
cover box field welded 1" on 8"  
top and bottom.

DETAIL B - VERTICAL LOCK JAMB BAR

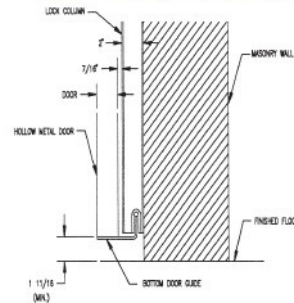


DETAIL C - RECEIVER



RECEIVER JAMB SECTION  
Flush receiver jamb allows frame  
opening and clear opening to  
be the same.

DETAIL D - BOTTOM DOOR GUIDE SECTION



## TECHNICAL DATA

Cover Box	1' 0 - 3/4' H x 7 - 1/2' D
Cover Box Material	7 gauge steel plate
Hinged Panel	10 gauge steel
Door Rollers	3" diameter, machined steel with sealed bearings
Vertical Lock Dar Dimensions	5/8" SQ by full height of door
Finish	Prime paint
Door Hanger	7 gauge steel plate
Locked Rotor Current	1.2A
Electrical	Motor: 1/20 HP, 115 VAC, 60 Hz., single phase power Inrush: .8A Running: .72A
Wire Requirements	When electric operation of the door is from a remote station, a minimum of five conductors (minimum 14 gauge) are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.





# Locking Systems

## 3165LX.b Electric Locking System



### STANDARD FEATURES

- Bottom door guide
  - Door hanger
  - Local mechanical release at cover box
  - Sloped-front cover box
  - Hinged cover panel for maintenance access
  - Vertical lock bar assembly
  - ASTM F1643 Certified
- Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

Specify "3165LX.bPKM-1"  
for mogul keyed one side.  
Specify "3165LX.bPKM-2"  
for mogul keyed two sides

The 3165LX.b system includes several versions of a system designed for locking, unlocking and propelling sliding doors in safety vestibules, in dayrooms or in high-traffic corridors. Each 3165LX.b model utilizes an electric motor to operate the door through a rack and pinion drive mechanism. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of the door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths available are 3' 0" to 4' 6".

### FUNCTION

**ELECTRIC** - A remote switch activates a motor which raises a vertical lock bar and propels the door open or closed.

**MECHANICAL** - Manual unlocking is provided for each device. After being manually released, door movement is by hand. The door automatically deadlocks when moved to the fully open or closed position.

### OPTIONAL FEATURES

**PILASTER RELEASE** - Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb.

**ELECTRIC KEYSWITCH** -Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster.

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify "G" when ordering. Example: 3165LX.b P-1G

**REMOTE PANEL LOCK SYSTEM** - Remote panel option is available with lift-off cover panel only. Not available with standard hinged cover panel. Specify "RP" when ordering. Example: 3165LX.bRP

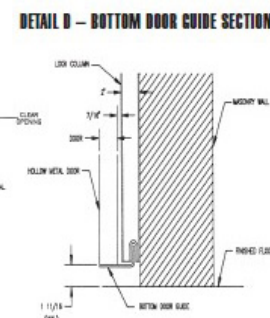
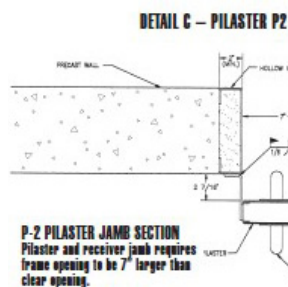
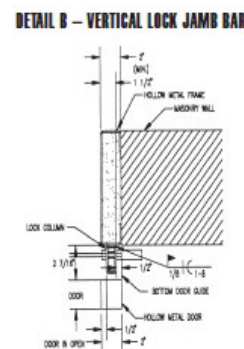
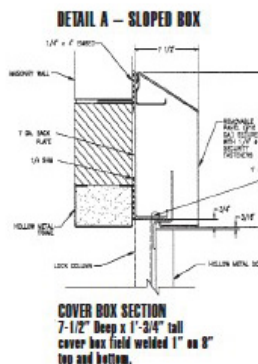


# Locking Systems

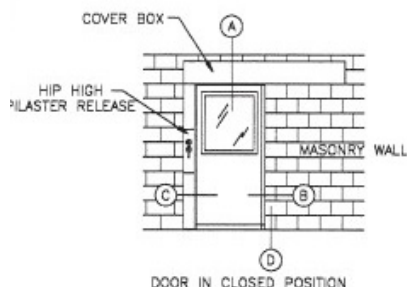
## 3165LX.b Electric Locking System

DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	3' - 0"	3' - 7"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 9"	7' - 8"	3' - 4 1/2"
	3' - 4"	3' - 11"	8' - 0"	3' - 6 1/2"
	3' - 6"	4' - 1"	8' - 4"	3' - 8 1/2"
	3' - 8"	4' - 3"	8' - 8"	3' - 10 1/2"
	4' - 0"	4' - 7"	9' - 4"	4' - 2 1/2"
	4' - 4"	4' - 11"	10' - 0"	4' - 6 1/2"
	4' - 6"	5' - 1"	10' - 4"	4' - 8 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9". For doors exceeding 450 lbs. and/or greater than 4'-6" clear opening, contact factory. THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.



3165LX.bP-2 SLIDING DOOR SYSTEM



3165LX.bPKM-2 Shown

Note: Other system configurations and details are available. Call Customer Service for more information.

## TECHNICAL DATA

Cover Box	1' 0 - 3/4' H x 7 - 1/2' D
Cover Box Material	7 gauge steel plate
Hinged Panel	10 gauge steel
Door Rollers	3" diameter, with sealed bearing
Vertical Lock Dar Dimensions	5/8" SQ by full height of door
Finish	Prime paint
Door Hanger	7 gauge steel plate
Locked Rotor Current	3.1A
Electrical	Motor: 1/8 HP, 115 VAC, 60 Hz., single phase power Inrush: 1.1A Running: .9A
Wire Requirements	When electric operation of the door is from a remote station, a minimum of five conductors (minimum 14 gauge) are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors





# Locking Systems

## 4110L Electric Locking System



For use where remote electric unlocking of groups of sliding doors is required, but door movement can be by hand at the door. This system also provides emergency mechanical unlocking from a control cabinet at the head of the door line. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths available are 2'4" to 3'2".

### FUNCTION

**ELECTRIC** - Individual switches located on a remote control panel operate an electric motor housed in the horizontal cover box over each door, raising the vertical lock bar and unlocking the door. Upon unlocking, the door springs open a few inches. All door movement is by hand at the door, which automatically snap/deadlocks when moved to the fully closed or fully open position. Individual lamp indicators on the control panel show locked/unlocked condition. A single switch can provide group unlocking.

**MECHANICAL** - In the absence of electrical power, doors may be individually unlocked with a manual release tool. Door movement is by hand and door will relock in either fully open or closed position.

**EMERGENCY GANG RELEASE** - In an emergency, all doors in a cell line may be simultaneously unlocked from a mechanical release cabinet at the end of the cell line. While in emergency release mode, doors will not relock in any position.

### STANDARD FEATURES

- Bottom door guide
- Door hanger
- Mechanical release cabinet
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

### OPTIONAL FEATURES

**PILASTER RELEASE** – (In lieu of mechanical release cabinet.) Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb. Specify “4110LP-1” keyed one side.

**ELECTRIC KEYSWITCH** – Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify “4110LPK-1” for paracentric keyed one side. Specify “4110LPKM-1” for mogul keyed one side.

**ELECTRIC HALF CYCLE** – Door will not lock in any position until it receives relock signal. This function requires the use of a three position switch. Specify “D.”

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify “G” when ordering. Example: 4110LP-1G

**REMOTE PANEL LOCK SYSTEM** - Remote panel option is available with lift-off cover panel only. Not available with standard hinged cover panel. Specify “RP” when ordering. Example: 4110LRP

**NO LOCK OPEN** - Specify “NLO.” Door does not lock in open position.

**MOTOR** – Specify “24 VDC.” inrush: 1.1A Locked Rotor Current: 3.4A

**FACTORY WIRED CONTROL CABLE** Specify “4110LWC.”

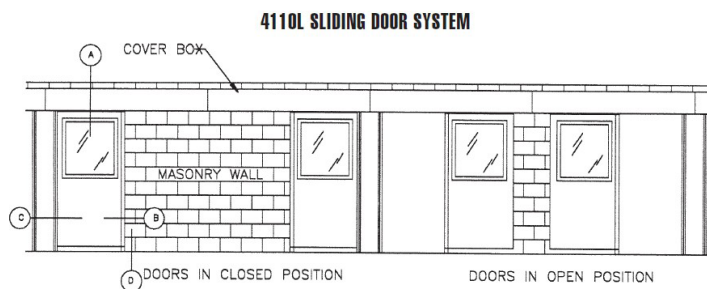


# Locking Systems

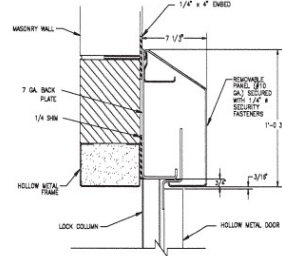
## 4110L Electric Locking System

DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	3' - 0"	3' - 7"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 9"	7' - 8"	3' - 4 1/2"
	3' - 4"	3' - 11"	8' - 0"	3' - 6 1/2"
	3' - 6"	4' - 1"	8' - 4"	3' - 8 1/2"
	3' - 8"	4' - 3"	8' - 8"	3' - 10 1/2"
	4' - 0"	4' - 7"	9' - 4"	4' - 2 1/2"
	4' - 4"	4' - 11"	10' - 0"	4' - 6 1/2"
	4' - 6"	5' - 1"	10' - 4"	4' - 8 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9". For doors exceeding 300 lbs. and/or greater than 3'-2" clear opening, contact factory.

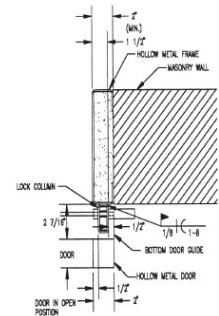


DETAIL A - SLOPED BOX

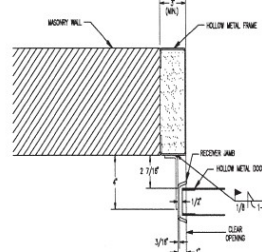


**COVER BOX SECTION**  
7-1/8" deep x 1" - 0-3/4" tall  
cover box field welded 1" on 8"  
top and bottom.

DETAIL B - VERTICAL LOCK JAMB BAR

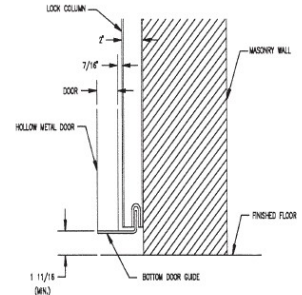


DETAIL C - RECEIVER



**RECEIVER JAMB SECTION**  
Flush receiver jamb allows frame  
opening and clear opening to  
be the same.

DETAIL D - BOTTOM DOOR GUIDE SECTION



4110L Shown

Note: Other system configurations and details are available.  
Call Customer Service for more information.

## TECHNICAL DATA

Cover Box	1' 0 - 3/4' H x 7 - 1/2' D
Cover Box Material	7 gauge steel plate
Hinged Panel	10 gauge steel
Door Rollers	3" diameter, with sealed bearing
Vertical Lock Bar Dimensions	5/8" SQ by full height of door
Finish	Prime paint
Door Hanger	7 gauge steel plate
Locked Rotor Current	3.1A
Electrical	Motor: 1/8 HP, 115 VAC, 60 Hz., single phase power Inrush: 1.1A Running: .9A
Wire Requirements	When electric operation of the door is from a remote station, a minimum of five conductors (minimum 14 gauge) are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors



# Locking Systems

## 8010L Pneumatically Operated Deadlatch



For use where remote electric unlocking of groups of sliding doors is required, but door movement can be by hand at the door. This system also provides emergency pneumatic unlocking from a remote location. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths available are 2'4" to 3'2".

### FUNCTION

**ELECTRIC** - Individual switches located on a remote control panel actuate a pneumatic cylinder housed in the horizontal cover box over each door, raising the vertical

lock bar and unlocking the door. Upon unlocking, the door springs open a few inches. All door movement is by hand at the door, which automatically snap/deadlocks when moved to the fully closed or fully open position. Individual lamp indicators on the control panel show locked/unlocked condition. A single switch can provide group unlocking.

**MECHANICAL** - In the absence of pneumatic or electrical power, doors may be individually unlocked with a manual release tool. Door movement is by hand and door will relock in either fully open or closed position.

**EMERGENCY GANG RELEASE** - In an emergency, all doors in a cell line may be simultaneously unlocked from a remote location using a pneumatic release system. While in emergency release mode, doors will not relock in any position.

### STANDARD FEATURES

- Bottom door guide
- Door hanger
- Pneumatic emergency release
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

### OPTIONAL FEATURES

**PILASTER RELEASE** - (In lieu of pneumatic release system.) Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb. Specify "8010LP-1" keyed one side.

**ELECTRIC KEYSWITCH** - Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify "8010LPK-1" for paracentric keyed one side. Specify "8010LPKM-1" for mogul keyed one side.

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify [G] when ordering. Example: 8010LP-1G

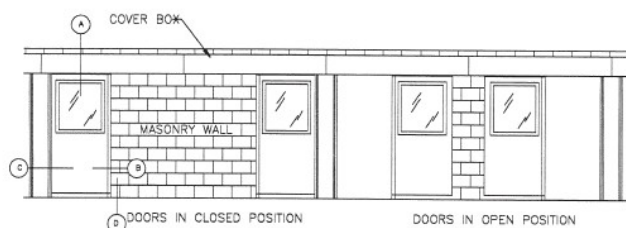
**NO LOCK OPEN** - Specify "NLO." Door does not lock in open position. **FACTORY-WIRED CONTROL CABLE** - Specify "8010LWC."



## 8010L Pneumatically Operated Deadlatch

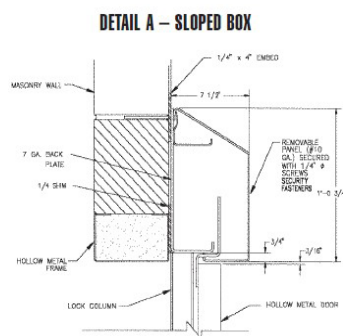
DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	3' - 0"	3' - 7"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 9"	7' - 8"	3' - 4 1/2"
	3' - 4"	3' - 11"	8' - 0"	3' - 6 1/2"
	3' - 6"	4' - 1"	8' - 4"	3' - 8 1/2"
	3' - 8"	4' - 3"	8' - 8"	3'-10 1/2"
	4' - 0"	4' - 7"	9' - 4"	4' - 2 1/2"
	4' - 4"	4' - 11"	10' - 0"	4' - 6 1/2"
	4' - 6"	5' - 1"	10' - 4"	4' - 8 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9". \*For doors exceeding 300 lbs. and/or greater than 3'-2" clear opening, contact factory.



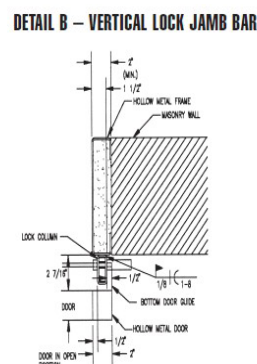
### DETAIL A – SLOPED BOX

**DETAIL B – VERTICAL LOCK JAMB BAR**

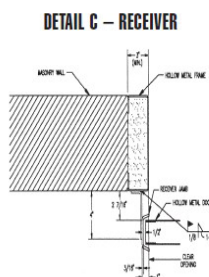


### DETAIL A – SLOPED BOX

**COVER BOX SECTION**  
7-1/2" deep x 1'-0-3/4" tall cover box  
field welded 1" on 6" top and bottom

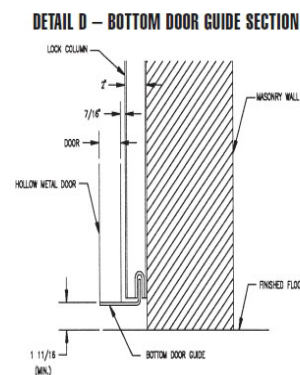


### DETAIL B – VERTICAL LOCK JAMB BAR



### DETAIL C - RECEIVER

**RECEIVER JAMB SECTION**  
Flush receiver jamb allows frame opening and clear opening to be the same.



#### DETAIL D – BOTTOM DOOR GUIDE SECTION

8010L Shown

Note: Other system configurations and details are available.  
Call Customer Service for more information.

## TECHNICAL DATA

<b>Cover Box</b>	1' 0 - 3/4' H x 7 - 1/2' D
<b>Cover Box Material</b>	7 gauge steel plate
<b>Hinged Panel</b>	10 gauge steel
<b>Door Rollers</b>	3" diameter, machined steel with sealed bearings.
<b>Vertical Lock Bar Dimensions</b>	5/8" SQ by full height of door
<b>Finish</b>	Prime paint
<b>Door Hanger</b>	7 gauge steel plate
<b>Air Requirements</b>	Air consumption 1.9 cubic inches per unlock operation at 80 PSIG.
<b>Electrical</b>	24 VDC Minimum five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.





# Locking Systems

## 8065L Pneumatically Operated Deadlatch



The 8065L series covers several versions of a system designed for locking, unlocking and propelling sliding doors in safety vestibules, in dayrooms or in high-traffic corridors.

Each 8065L model utilizes pneumatic cylinders to operate the door. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of the door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths available are 3'-0" to 4'-6".

### FUNCTION

**ELECTRIC** - A remote switch activates pneumatic cylinders which raise a vertical lock bar and propel the door open or closed.

**MECHANICAL** - Manual unlocking is provided for each device. After being manually released, door movement is by hand. The door automatically deadlocks when moved to the fully open or closed position.

### STANDARD FEATURES

- Bottom door guide
- Door hanger
- Local mechanical release at cover box
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

### OPTIONAL FEATURES

**PILASTER RELEASE** - Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent

to the receiving jamb.

Specify "8065LP-1" keyed one side.

Specify "8065LP-2" keyed two sides.

**ELECTRIC KEYSWITCH** - Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster.

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel.

Specify "G" when ordering. Example: 8065LP-1G  
**FACTORY-WIRED CONTROL CABLE** Specify "8050LWC."

Specify "8065LPK-1" paracentric keyed one side.  
Specify "8065LPK-2" paracentric keyed two sides.  
Specify "8065LPKM-1" for mogul keyed one side.  
Specify "8065LPKM-2" for mogul keyed two sides.

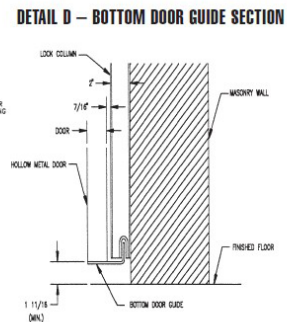
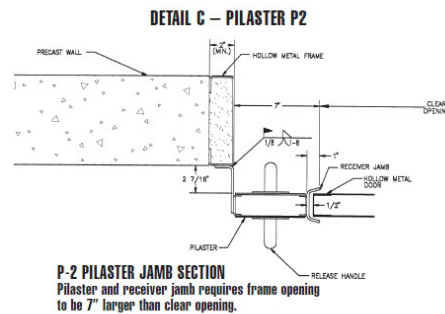
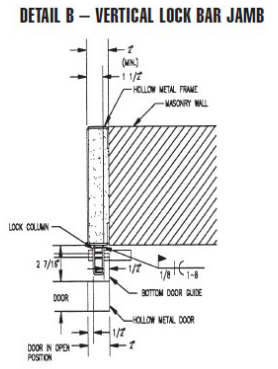
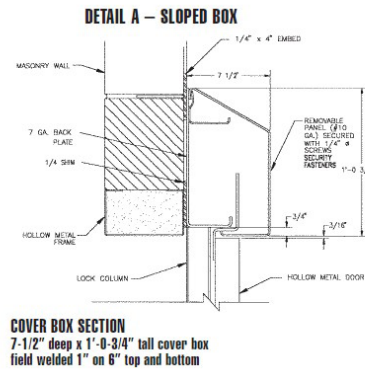
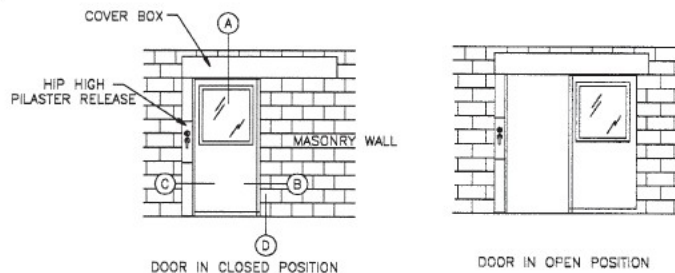


# Locking Systems

## 8065L Pneumatically Operated Deadlatch

DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	3' - 0"	3' - 7"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 9"	7' - 8"	3' - 4 1/2"
	3' - 4"	3' - 11"	8' - 0"	3' - 6 1/2"
	3' - 6"	4' - 1"	8' - 4"	3' - 8 1/2"
	3' - 8"	4' - 3"	8' - 8"	3' - 10 1/2"
	4' - 0"	4' - 7"	9' - 4"	4' - 2 1/2"
	4' - 4"	4' - 11"	10' - 0"	4' - 6 1/2"
	4' - 6"	5' - 1"	10' - 4"	4' - 8 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9". For doors exceeding 450 lbs. and/or greater than 4'-6" clear opening, contact factory. THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.



8065LP-2 Shown

Note: Other system configurations and details are available.  
Call Customer Service for more information.

## TECHNICAL DATA

Cover Box	1' 0 - 3/4' H x 7 - 1/2' D
Cover Box Material	7 gauge steel plate
Hinged Panel	10 gauge steel
Door Rollers	3" diameter, machined steel with sealed bearings.
Vertical Lock Bar Dimensions	5/8" SQ by full height of door
Finish	Prime paint
Door Hanger	7 gauge steel plate
Air Requirements	Air consumption 1.9 cubic inches per unlock operation at 80 PSIG.
Electrical	3.5 watts
Wire Requirements	Minimum of five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.



# Locking Systems

## 8050L Pneumatically Operated Deadlatch



The 8050L Locking System offers complete selective electric operation of sliding doors in a line or group from a remote control station. Doors are operated by pneumatic cylinders over each door. This system also provides emergency pneumatic unlocking from a remote location. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths are from 2'4" to 3'2".

### FUNCTION

**ELECTRIC** - A remote switch activates pneumatic cylinders which raise a vertical lock bar and propel

the door open or closed. Individual lamp indicators on the control panel show locked/unlocked condition. A single switch can provide group unlocking.

**MECHANICAL** - In the absence of pneumatic or electrical power, doors may be individually unlocked with a manual release tool. Door movement is by hand and door will relock in either fully open or closed position.

**EMERGENCY GANG RELEASE** - In an emergency, all doors in a cell line may be simultaneously unlocked from a remote location using a pneumatic release system. While in emergency release mode, doors will not relock in any position.

### STANDARD FEATURES

- Bottom door guide
- Door hanger
- Pneumatic emergency release
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

### OPTIONAL FEATURES

**PILASTER RELEASE** – (In lieu of pneumatic release system.) Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb. Specify "8050LP-1" keyed one side.

**ELECTRIC KEYSWITCH** – Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify "8050LPK-1" for paracentric keyed one side. Specify "8050LPKM-1" for mogul keyed one side.

**HOT DIP GALVANIZED FINISH** - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify "G" when ordering. Example: 8050LP-1G

**FACTORY-WIRED CONTROL CABLE**  
Specify "8050LWC."





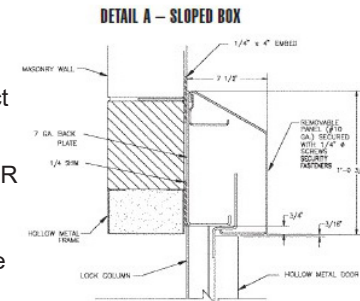
# Locking Systems

## 8050L Pneumatically Operated Deadlatch

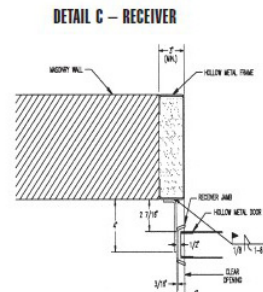
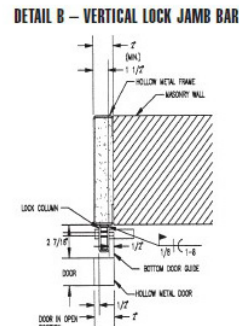
DOOR SCHEDULE				
Door Height	Clear Opening	Frame Opening	Cover Box	Door Width
	3' - 0"	3' - 7"	7' - 4"	3' - 2 1/2"
	3' - 2"	3' - 9"	7' - 8"	3' - 4 1/2"
	3' - 4"	3' - 11"	8' - 0"	3' - 6 1/2"
	3' - 6"	4' - 1"	8' - 4"	3' - 8 1/2"
	3' - 8"	4' - 3"	8' - 8"	3' - 10 1/2"
	4' - 0"	4' - 7"	9' - 4"	4' - 2 1/2"
	4' - 4"	4' - 11"	10' - 0"	4' - 6 1/2"
	4' - 6"	5' - 1"	10' - 4"	4' - 8 1/2"

NOTE: Cover box minimum length = (7" over travel) + (2 x clear opening) + 9". For doors exceeding 300 lbs. and/or greater than 3'-2" clear opening, contact factory.

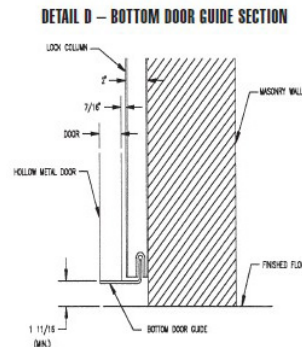
THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated doors.



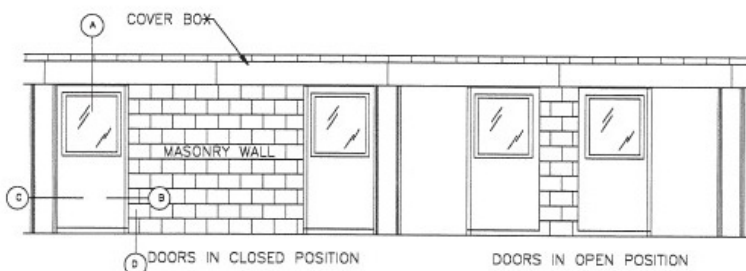
**COVER BOX SECTION**  
7-1/2" deep x 1'-0-3/4" tall cover box field welded 1" on 6" top and bottom



**RECEIVER JAMB SECTION**  
Flush receiver jamb allows frame opening and clear opening to be the same.



**8050L PNEUMATIC SLIDING DOOR SYSTEM**



## TECHNICAL DATA

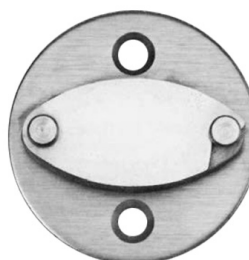
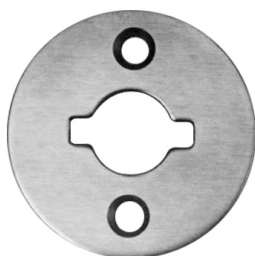
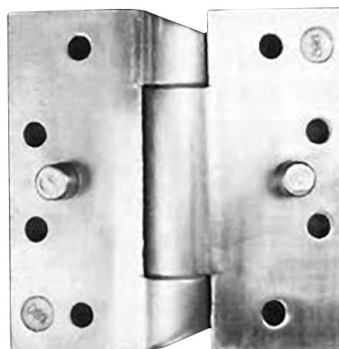
Cover Box	1' 0 - 3/4' H x 7 - 1/2' D
Cover Box Material	7 gauge steel plate
Hinged Panel	10 gauge steel
Door Rollers	3" diameter, machined steel with sealed bearings.
Lock Size	5/8" H x 1-1/2" W x 1-3/4" D
Lock Weight	3.2 lbs
Latchbolt Size	1-5/8" H x 5/8" TK
Air Requirements	Air consumption 44 cubic inches per operation. Supply pressure: 80 - 100 P.S.I. at the
Builder's Cylinder	1-5/32" diameter with standard Yale cam or equal

UL Listed for use on three-hour fire doors.  
ASTM F 1577 Certified Impact Test-Grade 1.





# Accessories



# Southern Folger



For More information please call 210-533-1231

# Accessories

## High Security Six-Pin and Mogul Cylinder / Mogul Key



### Application

Many of our locks are equipped with a “mogul-type” cylinder. This rugged cylinder is approximately twice the size of a standard “builder’s hardware” cylinder. The mogul cylinder has six-pins with side bar operation. Six tumbler cylinders provide higher security than standard five tumbler cylinder with more combinations available. All cylinders may operate under the same exclusive key, including Southern Steel security builders cylinder, if desired.

NOTE: Master keying available.

### Technical Data



Standard Finish	US26D
Mogul Cylinders	Brass
Mogul Keys	Nickel Silver
Cylinder Size	2" thread Diameter
Cylinder Weight	1.5 lbs
Key Size	2-3/8" L x 1/8" TK
Tensile Strength	91,000 lbs/in.2
Yield Strength	76,000 lbs/in.2
Rockwell Hardness	89 HRB
Pin Tumblers	6 Tumblers per lock



# Accessories

## Key Cylinders

### Application

With the exception of the 7000 Series lever tumbler models, all R.R. Brink Locking Systems' locks must be fitted with a mortise, pin tumbler key cylinder for manual unlocking. Our locks can be ordered to accept either a standard builder's hardware mortise cylinder or the prison "Mogul" type, as shown above.

In correctional facilities, the RRBLS "Mogul" is often the cylinder of choice for detention grade locks only. This product differs from the standard mortise cylinder\* (a.k.a. builder's hardware cylinder) in two significant aspects. First, all components of the RRBLS "Mogul" cylinder are approximately twice the size of the conventional mortise type. This size difference includes the internal parts (i.e. pins, springs, balls, and cylinder plug) as well as the external cylinder body or housing. (The diameter of the "Mogul" is 2" and the standard cylinder is 1-5/32".) Compared to a standard mortise cylinder, the "Mogul" parts offer proportionately larger wear surfaces and a longer life cycle. Also, the larger cross sectional area of the "Mogul" keyway facilitates the removal of debris commonly inserted by inmates to impede key operation. Second, the dimensions of the "Mogul" key are

roughly twice that of a standard mortise cylinder key. This key size reduces the chance of breakage under forced turning (e.g. against a bind) and affords increased torque to ease the unlocking of heavy prison lock mechanisms. Also, the "Mogul" key size lends itself to easy insertion into the cylinder keyway.

For detention facility applications when it is desired to master key both commercial and detention grade locks on one system, we recommend specification of a "high security" brand of mortise cylinder which affords pick resistance and key blank control. RRBLS is an authorized OEM dealer for both ASSA® and MEDECO® high security cylinders. Unless otherwise specified, we provide either the standard mortise ASSA® or MEDECO® brand with our factory key cylinder (FKC) option\*. When our locks are equipped with ASSA® or MEDECO® cylinders, we can provide direct factory to user service for replacement cylinders and keys. We stock their cylinder parts and certain proprietary key blanks so that we are able, on short notice, to pin new cylinders and cut keys.

\*The ASSA® and MEDECO® companies market a "Mogul" version of their standard size high security mortise cylinders. Whereas these products have the same 2" diameter body as the RRBLS "Mogul" cylinder, that is where the similarity ends. All internal parts as well as the key furnished with their "Mogul" versions are identical to their standard product.









# Accessories

## Key Cylinders

Thus, the distinctive feature of the RRBLS “Mogul” cylinder (i.e. all internal parts and key being larger in proportion to its 2” diameter body) cannot be ascribed to these variations of a standard product. Our motive in making this distinction is not to discourage the use of high security key cylinders with detention grade locks. The purpose is to point out to specifiers and end users that, with our locks, the ASSA® or MEDECO® “Mogul” cylinder offers no functional advantage over their standard size product. Therefore, we recommend use of their standard size product with the attendant cost saving.

	MEDECO® Mortise Pin-Tumbler Key Cylinder*	ASSA® Mortise Pin-Tumbler Key Cylinder*	R.R. Brink Mogul Pin-Tumbler Key Cylinder*	R.R. Brink Lever-Tumbler Key Cylinder**
				
Compatible with R.R. Brink lock models	1040, 1050, 1060, 1070, 2020, 2050 3020, 3520-300, 3520-600 5020S, 5020M, 5020EUKL, 5520, 8030, 8050, 8055 9010, 9017		1020, 1030, 1040, 1050, 1060, 1070, 3020 3620-300, 3620-600 5020S, 5020M 5020EUKL, 5520 7010M, 7017M 8050, 8055, 9025	7010, 7017, 7030 7030D, 7050S, 7050M, 7060, 7060K 7070, 7080
Cylinder housing thread	1.156" x 32	1.156" x 32	2.000" x 27	N/A
Cam type	Yale	Yale	RRBLS	N/A
Standard finishes	Satin Chromium on Brass, ANSI 626, US26D Satin Brass, ANSI 606, US4			Available in silicon bronze finish only
U.L. 437 (Key Locks) listing	Yes	Yes	Yes	No
Master and grand master keying available	Yes	Yes	Yes	No
Affords most key combinations	X	X		
Affords most hand torque			X	X

### Notes:

Notes:

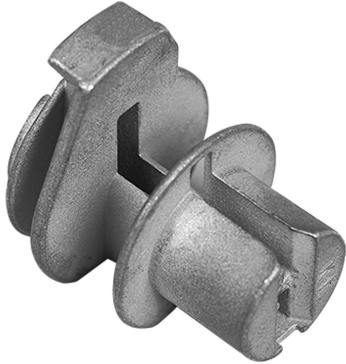
\* When specifying an RRBLS supplied key cylinder, specify FKC-MEDECO, FKC-ASSA, or Mogul and all necessary keying information after the lock model number. With lever tumbler locksets, there is no need to specify the key cylinder, since it is included.

\*\* R.R. Brink includes as standard its lever-tumbler key cylinder with lock models 7010, 7017, 7030, 7030D, 7050S, 7050M, 7060, 7060K, 7070, and 7080. These lock models must be operated by this type of key cylinder.



# Accessories

## Paracentric Cylinder and Paracentric Key



### Application

A complete line of Southern Steel brand, high-quality detention-type locks is available with lever tumbler cylinders. The cylinders are cast bronze and are operated by paracentric key. Master keying is not available for locks with paracentric cylinders.



### Technical Data

Cylinders and Keys	1 Silicon bronze/ copper alloy
Cylinder Size	1" Diameter (Nominal)
Cylinder Weight	.5 lb
Key Size	4-3/4" L x 5/32" TK
Key Weight	.2 lb
Tensile Strength	60,000 p.s.i
Yield Strength	20,000 p.s.i.
Rockwell Hardness	73 Minimum HRB



# Accessories

## 203FS Full Surface Hinge and 203FP Food Pass Hinge



### Application

For use on food passes, observation shutters and other small swinging doors where a medium duty hinge is required. Available with solid leaves for welded application or pre-drilled for fasteners. The 203FP is a version of the 203FS with a built-in stop to hold the food pass door in a horizontal position for use as a shelf.

### Technical Data

Hinge Leaves	Steel
Hinge Pin	Cold-rolled steel
Size	3" H x 2-3/4" W x 1/4" TK
Weight	9 lb
Pin Size	1/2" diameter
203FS	No holes standard
203FP	Drill and countersunk for screws standard
Pin Tumblers	6 Tumblers per lock

## 205 Hinge



### Application

Swinging doors at cells, corridors, plumbing chases, gates or other locations where a higher degree of security is required. Available in full surface or gap type configuration. Leaf configuration can be any combination of solid leaf for weld-on or pre-drilled leaf for bolt-on. Continuous non-removable hardened steel alloy pin. Smooth operating radial and thrust polymer bearings.

### Technical Data

Exceeds all criteria for ASTM F1758 for detention hinges for Double Weight Grade 1. Weight capacity 800 pounds per weld-on hinge. **NOTE:** These hinges are not direct replacements for the Folger Adam #5 Hinge or the Southern Steel 205 Hinge due to barrel size difference.

Size	5"H x 4-1/2" W x 1/2" TK (FS) 5"H x 6" W x 1/2" TK (GAP)
Weight	5 lbs. / Pin Size: 5/8" diameter. / Barrel Size: 1-1/2" diameter. / Barrels/Leaves: Cold rolled steel.
Finish	USP.





# Accessories

## 204FMSS Full Mortise Hinge



### Application

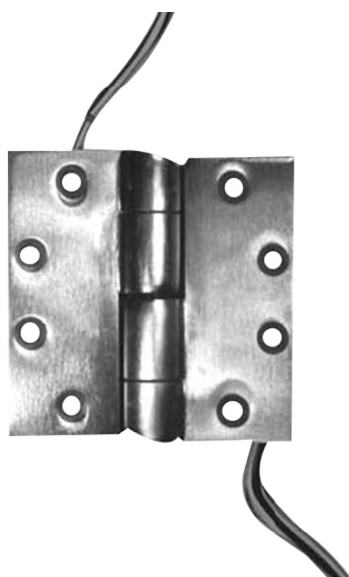
For swinging hollow metal doors. Each hinge features cast stainless steel leaves with integral security stud and non-removable stainless steel pin. Security fasteners are provided with each unit.

### Technical Data

Standard Finish	Stainless steel - US32D
Size	4-1/2" x 4-1/2" x 3/16"
Weight	1.5 lbs.
Hinge Leaves	Cast stainless steel
Hinge Pin	Stainless steel
Pin Tumblers	6 Tumblers per lock

ASTM F1758 Certified Impact Test-Grade 1

## 204E Electric Power Transfer Hinge



### Application

Designed to supply power from door frames to electric locks on hollow metal doors, the 204E Power Transfer Hinge contains five completely concealed and tamper proof Teflon™-coated conductors. Available in full mortise configuration only to be used with three 204FMSS institutional hinges. This is not a load-bearing hinge.

### Technical Data

Standard Finish	US32D
Size	4-1/2" x 4-1/2" x 3/16"
Weight	1.6 lbs.
Hinge Leaves	Investment cast brass
Hinge Pin	5/8" diameter O.D. tubing steel
Electrical	1 amp capacity, 40 volts maximum



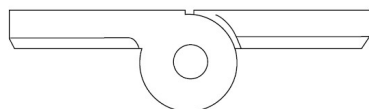
# Accessories

## 205 Heavy Duty Hinge

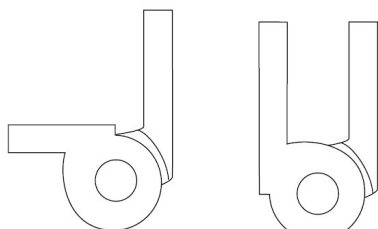
### Application



Swinging doors at cells, corridors, plumbing chases or other locations where a higher degree of security is required. Available in full surface, half surface or gap type configurations. Since these hinges are usually welded, standard hinges are provided without attachment holes. These hinges are drop forged of mild steel and feature heavy-duty thrust bearings, completely concealed and protected from tampering. Extremely strong and durable, one pair will support a standard plate door measuring 2'4" x 7'0" and weighing 250 pounds. Larger or heavier doors require a third hinge



205FS



205HS

205FS

Shown in gap application

Show in gap application

### Technical Data

Standard Finish	US32D
Size	5" H x 5-3/4" W x 1/2" TK (205FS)
Weight	7.25 lbs.
Hinge Leaves	Steel, with 1 oiling hole
Hinge Pin and Thrust Bearings	Cold-rolled, case-hardened steel

ASTM F1758 Certified Impact Test-Grade 1

## 590 Hinges Access Door



SIZE: 2'4" W x 3'4" H x 2-3/16" TK WEIGHT: 105 LBS.

Provides access to plumbing or utility spaces in security areas. Door is constructed of 10 gauge steel plate flanged 1- 3/4" all around, hung on two Model 203FS hinges and locked with a Model 1010A deadlock. Steel frame is 7 gauge formed plate. Specify type of wall construction to determine anchor requirements. Prime painted.



# Accessories

## Hinge series



#3 Access Panel Hinge



#3FP Food Pass Hinge



#4-1/2 Institutional Full Mortise Template Hinge



#5 Heavy Duty Prison Hinge (Available with mounting holes)

### #5 Heavy Duty Prison Hinge

#### Application and Features

- Use with prison type grille and plate doors – surface mount.
- Barrel and leaves fabricated from cold rolled steel – welded assembly.
- Steel pin welded in-place.
- Anti-friction bearings.
- Standard finish USP – primed for paint.
- Security fasteners standard.
- Leaves available with screw holes or without to allow welding to door.

### #3 Access Panel Hinge

#### Application and Features

- Use with electrical and mechanical system access panels or other small doors.
- Fabricated from cold rolled steel.
- Pin welded in-place.
- Security fasteners included.
- Finish – primed for paint.

### #3FP Food Pass Hinge

#### Application and Features

- Use with cell door food pass shutters. Stop added to the #3 hinge limits shutter opening rotation to 90° to form a shelf.
- Features same as #3 hinge.

### #41/2 Institutional Full Mortise Template Hinge

#### Application and Features

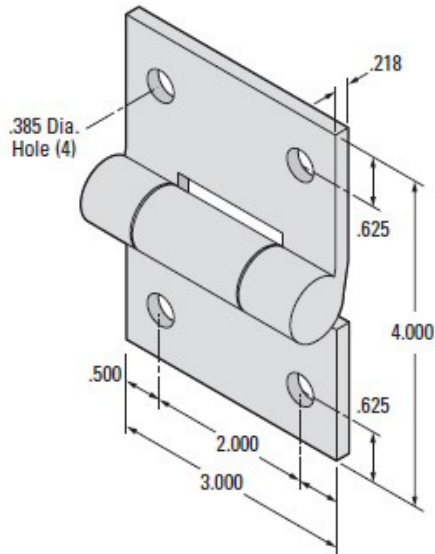
- Use with conventional sized security hollow metal doors.
- Cast stainless steel leaves and welded in-place stainless steel pin construction.
- Hospital tips and integral anti-shear studs.
- Anti-friction bearings.
- Conforms to ANSI A156.7 template dimensions.
- Meets ASTM F1758 Grade 1 requirements.
- Finish – US32D (BHMA 630) satin stainless steel or USP - primed for paint.
- Security fasteners standard.
- Through-wire, electric power transfer model available 5 wire 18 awg.



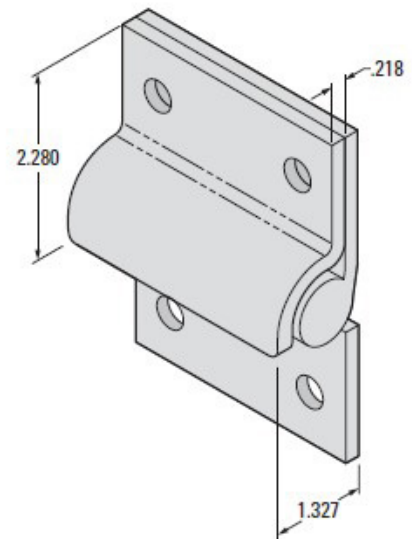
# Accessories

## Hinge series

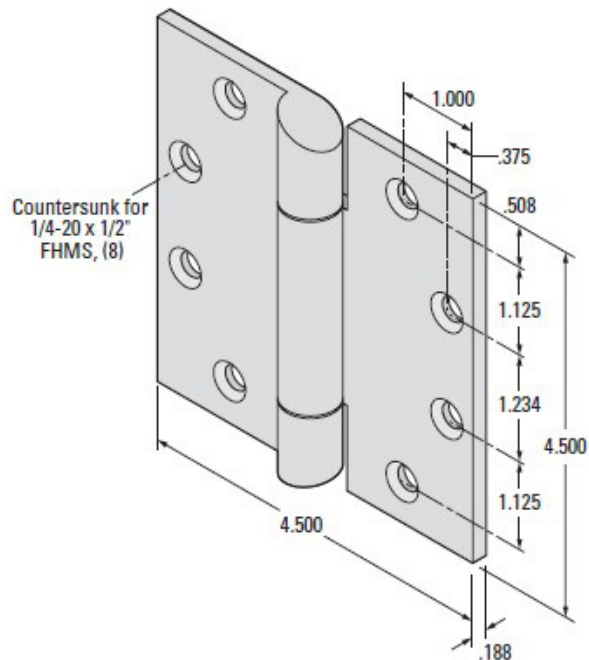
**#3 Access Panel Hinge**



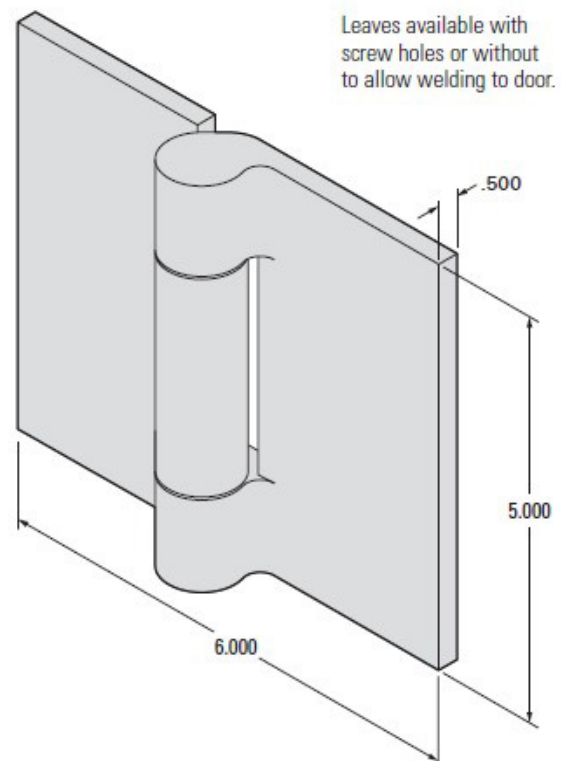
**#3FP Food Pass Hinge**



**#4 1/2 Institutional Full Mortise Template Hinge**



**#5 Heavy Duty Prison Hinge**



# Accessories

## 212C Raised Door Pull



### Application

Economical, attractive, general purpose door pulls designed for ease of operation on heavy doors and/or heavy traffic areas. Provided with security fasteners.

### Technical Data

Standard Finish	US32D
Material	Cast brass
Size	8-11/16" L x 1-3/4" W x 2-3/8" Projection
Weight	1.3 lbs.

## 214S Recessed Door Pull Application



### Application

The 214 is of adequate size for easily manipulating large, heavy doors. Often used on inmate side of doors. Provided with security fasteners. x 7'0" and weighing 250 pounds. Larger or heavier doors require a third hinge.

### Technical Data

Standard Finish	US32D
Material	Cast brass
Size	SIZE: 5" H x 4" W x 1" D
Weight	1.5 lbs.

## 215C Knob Pull



### Application

The 214 is of adequate size for easily manipulating large, heavy doors. Often used on inmate side of doors. Provided with security fasteners. x 7'0" and weighing 250 pounds. Larger or heavier doors require a third hinge.

### Technical Data

Standard Finish	US32D
Material	Cast brass
Size	SIZE: 5" H x 4" W x 1" D
Weight	1.5 lbs.



# Accessories

## 240CPS Concealed Position Switch

### Application

The 240CPS is used where a built-in door indicator switch is desired. This tamper proof unit is mortised into the door and frame. Indicator switch is mechanically activated when the door is moved from the closed position. A switch adjustment is provided to allow for varying field conditions. Provided with security fasteners.

### Features

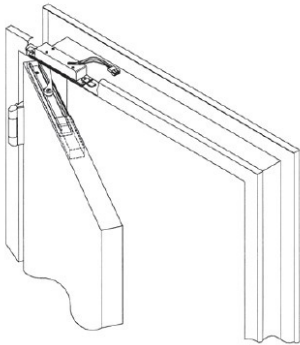
- Handed, Specify LH or RH
- 180° maximum swing
- 12" long, 16 AWG UL wire leads with plug connector
- An eccentric stud on the control arm provides a fine adjustment for varying conditions

### Optional Features

Double Circuit, Specify 240CPS-2 This feature allows for an additional circuit to be triggered by the 240CPS

### Technical Data

Concealed (In Frame)	1-5/16" H x 1-1/2" W x 7-1/2" L
Control Arm	5" H x 5-3/4" W x 1/2" TK (205FS)
Track (In Door)	3/4" H x 1-1/4" W x 12" L, extruded aluminum alloy
Weight	2 lbs.
Face Plate	Steel, with 1 oiling hole
Electrical	Switch is S.P.D.T. type with a rating of 5 amps at 30 VDC to 250 VAC



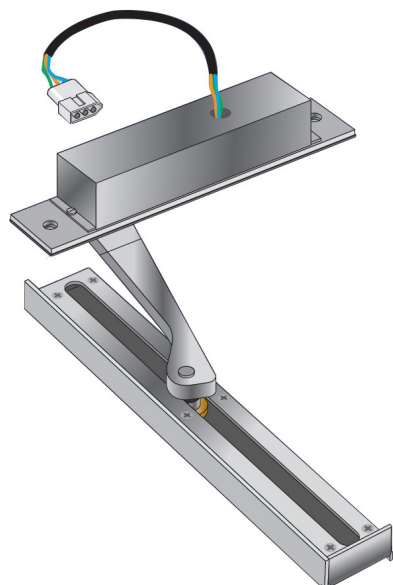
Left Hand Shown





# Accessories

## 201030 Door Position Switch



### Application

A typical lock control panel monitor light and/or door interlock circuit is actuated by a “lock status switch” (LSS) and a “door position switch” (DPS). The LSS signals a deadlocked latch bolt and the DPS a closed door. When properly wired together, these switches control indicator lights to signal a secure door (i.e. closed and deadlocked) and/or control an interlock which prevents a door(s) from being electrically unlocked if another door in the group is unlocked. In the absence of a DPS, the aforesaid circuits are controlled only by the LSS within the lock case. Normally, the LSS is tripped when a door is closed and the latch bolt is deadlocked by depression of the auxiliary latch (a.k.a. roller or trigger bolt). (When depressed, the auxiliary latch serves to automatically deadlock the latch bolt.) However, an indication/interlock circuit controlled by the LSS only can be compromised easily. That is, when a door is open, the auxiliary latch can be depressed manually which wrongly signals a secure condition. On the other hand, with the LSS/DPS combination, a door must be closed and deadlocked to obtain a secure signal. Thus, for positive control of door monitor and/or interlock circuits, a DPS is a requirement.

The Model 201030 DPS is actuated mechanically by movement of the door. With a 4'-0" or narrower door and ANSI door/frame installation tolerances, the switch will trip when the leading edge of the door is within 1/2" of the door stop. It is recommended that the Model 201030 be wired in combination with a lock bolt status switch (LSS) to provide a reliable, tamper resistant control panel monitor (e.g., closed and deadlocked green light) and/or interlock circuit.

The 201030 has two components: 1) a switch unit that mortise mounts in the door frame header with an arm that is connected in the field to, 2) a track that mortises into the upper door edge. When the door is closed and locked, all components are concealed which eliminates the possibility of tampering. A door can be opened to a full 180°. The 201030 has an automatic switch adjustment feature that compensates for differing door and frame alignments (e.g., hinge gauge dimension) without the need for tools or trial and error procedures. Simply closing a door self-adjusts the switch setting.

## 220MRS Magnetic Switch



### Application

The 200MRS is used where a built-in door indicator switch is desired. This tamper-proof unit is mortised into the door frame. An actuating magnet is recessed into the door edge. Provided with security fasteners.

### Technical Data

Size	4-7/8" L x 1-1/4" W
Weight	1 lb.
Electrical	24 volts (AC or DC)

## 200MRS TB MAGNETIC SWITCH

Triple Bias Switch

For More information please call 210-533-1231





# Accessories

## 534 Door Position Switch



### Application

Model 534 is designed for use as part of a remote electric unlocking and indication system. When wired in series with the indication switches of an electric lock, the switch provides a secure indication of door position at a remote control panel or control console. Fits a standard 2" frame header.

### Standard Features

- Pre-set adjustment – The switch is factory set to trip when a 2'-6" door moves 3/8" from its stop.
- Adjustable trip point – Simple adjustments permit use with various size doors.
- Sloped-top design – Precludes hiding of contraband.
- Tamper-resistance – Housing baffles combine with use of tamper-resistant and security screws.
- Heavy duty construction – Case and cover of 10-gauge hot rolled steel; switch actuator formed of 13-gauge, zinc plated cold rolled steel; baffle of 16-gauge hot rolled steel.
- 180 degree door swing.
- Universal mounting – The surface actuator and unique trip mechanism work on all applications, and may be field reset if needed.
- Lower cost installation – Surface mounted door bracket mounts on a hollow metal door.
- Plug connector – Plug with 9" of wire allows pre-wiring of the junction box.
- Finish – Zinc plated.

## 220A Door Position Switch



### Application

The 220A switch actuates a remote lamp indicator or an audible signaling device the moment a swinging door is moved from the fully-closed position. Enclosed in a 10 gauge galvanized steel housing, the 220A is designed for installation on the door frame above the top hinge. A pivoting operator that actuates the switch is attached to the door face with special security screws. The 220A is designed for use on doors with 4 -1/2" or 5" hinges. Specify hinge size and type (220A-5, 220A-4, etc.). Provided with security fasteners.

### Technical Data

Size	6-5/16" x 2-1/2" x 1-7/8"
Weight	3 lb.
Electrical	Switch rating SPDT 15 amps at 125 VAC or .5 amps at 125 VDC

## 200MRS TB MAGNETIC SWITCH

Triple Bias Switch



# Accessories

## 523 Fully Concealed Door Position Switch

### Application

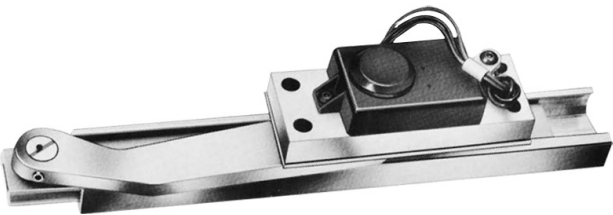
This switch is recommended for any indication/interlocking circuit, in conjunction with the indication switches for locks, for producing a “secure” signal that a door is closed and locked – primarily for medium/minimum-security doors. Ideal for all in-swinging door conditions, and can be used on either interior or exterior doors.

### Standard Features

- Mortise installation – Switch body mortises into the header of a standard, 2” high door frame and the track mortises into the top edge of a door.
- Fully concealed – Switch body and track are inaccessible when the door is closed.
- Self-concealing slide and track – low-friction, nylon slide and extruded, aluminum track with a natural finish.
- Adjustable switch – An eccentric stud on the connecting arm provides a fine adjustment of the switch for variations in field conditions.
- Plug connector – A two-piece, electrical connector which permits field wiring, without having the switch present, and allows removal of the switch, without disturbing the field wiring. The receptacle of this connector has 9” long wire leads and may be sent to the job site for prewiring of the opening. When the switch is installed, its connector simply plugs into the already-wired, field receptacle.
- Tamper-resistant screws are used for exposed locations.
- Handed – Specify either left hand (LH), for left-hand and right-hand reverse doors; or right hand (RH), for right-hand and left-hand-reverse doors.
- Supplied with mounting screws, wiring diagram, template information and installation/operation instructions

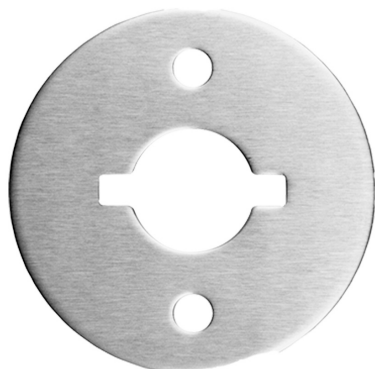
### Operation

The indication switch is factory set and trips when a 3’-0” wide door moves approximately 3/8” away from the doorstop. (A 1/4” allowance of door movement is built into this setting, eliminating a false indication which may be produced by shaking the door.) A fine adjustment for variations in field conditions is provided by an eccentric stud on the connecting arm. As the door is opened, the slide conceals its opening in the track. When the door is closed, the unit is fully concealed.



# Accessories

## Escutcheon



### 218 Escutcheon

The 218 Escutcheon is used to provide a close fit between a paracentric cylinder and the keyhole. It also protects the finish around the keyhole from chipping. The one-way escutcheon prevents the key from being extracted from the cylinder while lock is in the unlocked condition.

### Technical Data

Finish	US32D
Material	Stainless Steel
Size	3" DIA x .105" TK
Weight	2 lbs.

## Cylinder Shield



### 219 Cylinder Shield

The 219 Cylinder Shield mounts over the paracentric cylinder on exterior doors to protect the keyhole from dirt, snow and other foreign elements. Provided with security fasteners.

### Technical Data

Finish	US32D
Material	Stainless Steel
Weight	2 lbs.



# Accessories

## Head or foot bolt



**10105 Head  
or Foot Bolt**



**10105 Head or Foot  
Bolt Receptacle**



**10105 Key**

## Application

For the inactive leaf of pairs of swinging hollow metal, grating or steel plate doors.

## Function

Actuated by means of a "spanner" type key which extends the bolt into appropriate receptacle in the floor or jamb head. A special foot bolt receptacle is available for floor installations.

## Technical Data

Standard Finish	Galvanized
Cover	Cold-rolled steel plate
Case	Ductile iron
Lock Bolt	Cold-rolled steel
Spanner Key	Cold-rolled steel
Size	5-3/8" H x 2-3/4" W x 1-7/8" TK
Weight	5.5 lbs
Bolt size 1"	Diameter
Bolt Throw	3/4"

## 10105R FLOOR RECEPTACLE

Size	3" H x 1-5/8" DIA x 1-5/8" sq. Base
Weight	2.25 lbs.

## Options

- Head bolt keeper Specify: "10105B" x USP
- Head bolt keeper switch Specify: "10105CL" x USP
- Foot bolt receptacle Specify: 10105R



# Accessories

## Lock Mountings



**Hm - Mounting  
for Hollow  
Metal Doors**



**P - Mounting  
for Plate  
doors**



**G - Mounting  
for Grating  
doors**

## Application

Used for mounting mechanical paracentric locks on hollow metal, steel plate or grating doors. Note: The model number for a specific lock mounting is determined by adding "HM", "P", "G" as a prefix to the lock model number i.e., HM-1080A-1, G-1070A-2.

## Technical Data

Size	Varies with application
Weight	Varies with application
HM-Mounting For Hollow Metal Doors:	7 gauge steel plate is attached to door with security fasteners. Comes with 218 Escutcheon. For two-way locks, a second escutcheon is required.
P-Mounting For Steel Plate Doors	Formed 10 gauge steel plate is attached to door with security fasteners or rivets.
G-Mounting For Steel Grating Doors	Welds to grating door. 7 gauge steel cover is attached to lock mounting with security fasteners. Comes with 218 Escutcheon. For two-way locks, a second escutcheon is required.



# Accessories

## Safety Mirrors



SIZE: 17-1/4" H x 11-1/4" W x 1/4" TK Stainless steel face plate is polished to a mirror finish which approximates that of glass. One piece formed mirror and frame mount directly to wall. Mirrors are designed to accept 1/4-20 flathead security fasteners.

### Options

STEEL EMBED PLATE: Can be supplied by special order for installation on poured concrete or masonry walls.

## Safety Hook and Shelf



**407 Safety Hook**

### 407 SECURITY CLOTHES HOOK

SIZE: 4" H x 4" D x 2-21/2" W

This special hook is designed with a collapsible ball joint. Constructed of 14 gauge stainless steel, the 407 can be riveted to wall plates or steel walls, or it can be attached with the provided fasteners. US32D finish.



**408 Shelf**

### 408 SHELF

SIZE: 6" H x 8" D x Specified Length

WEIGHT: varies (5.4 LBS. for an 8" shelf)

### 408 SHELF

Constructed of 12 gauge steel plate, the 408 Shelf is flanged and gusseted for strength and neat appearance. It is available in 8", 16" and 24" lengths, with or without safety clothing hooks.

Specify: 408-8 for 8" shelf / 408-16 for 16" shelf / 408-24 for 24"

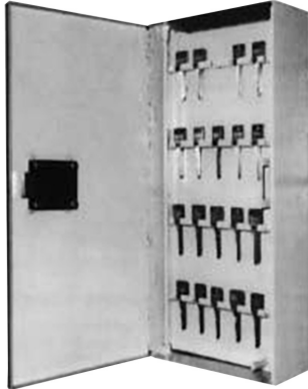
If shelf safety clothing hooks are required under shelves, add the suffix "S" to the above numbers (e.g. 408-24S). One hook is provided for each 8" of shelf length.





# Accessories

## Key Cabinets



### Key Cabinets

6-60 KEY CABINET (60 key capacity)

6-300 KEY CABINET (300 key capacity)

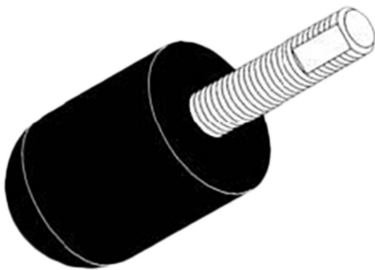
6-720 300 KEY CABINET (720 key capacity)

SIZE: 16" W x 24" H x 6 5/8" D

WEIGHT: 6-60: 55 LBS. 6-300: 85 LBS. 6-720: 195 LBS.

Key cabinets provide security and control of a large number of paracentric prison keys, or Mogul-type keys. Cabinets may be provided for surface or recessed mounting. Keys are held on two sides of a swinging panel within the enclosure. A printed index is provided for recording the location of each key, and the lock it operates. Available with a Southern Steel 1010A or 1010AM lock.

## 420 Detention Door Stop



### 420 Detention Door Stop

SIZE: 2" Dia. X 3 1/2" Bumper 5/8-11 X 2 1/2" Post

Material: 90 durometer silicone rubber body with threaded steel post / Style: Wall or floor mount Finish: Black / Mounting: Embed in concrete or masonry Heavy duty detention-grade door stop for installation in either wall or floor with epoxy resin adhesive. Threaded steel anchor post.





# Accessories

## 605 Pistol Locker (Tilt-out)



SIZE: 1' 10-1/2" H x 6" D x Length Required  
WEIGHT: 48 LBS. (FOR A 3-COMPARTMENT LOCKER)  
Each compartment of the Model 605 tilts out for access on a continuous hinge. Construction is 7 to 10 gauge steel. Compartments are 6" H x 1' 1-1/2" W x 4-1/2" D, bottom-lined with moth-proofed felt and locked with an individual keyed snaplock. Master keying is available by special order. Can be surfaced mounted or built in. Indicate type of mounting required. Prime painted.  
Specify: 605-3: 3-compartment/ 605-6: 6-compartment /605-9: 9-compartment/ 605-12: F12-compartment

## 600 Pistol Locker



SIZE: 1' 4" x 10" D x Length Required  
WEIGHT: 35 lbs. (FOR A 3-COMPARTMENT LOCKER)  
Pistol lockers are available in combinations of three compartments (up to a total of 12 compartments) in a single unit. Construction is 10 to 14 gauge steel. Each compartment is 5-1/4" H x 10" W x 10" D, bottom-lined with moth-proofed felt. Doors swing on continuous hinges and each has a separately keyed cam lock. Master keying is available by special order. These units can be surface mounted or built into a wall. Indicate type of mounting required. Prime painted.  
Specify: 600-3: 3-compartment/ 600-6: 6-compartment 600-9: 9-compartment/ 600-12:F12-compartment



# Accessories

## Locking Accessories



### 201040 Latch Keeper Switch

For use with RRBLS door mounted, key operated mortise lock models 1040, 1060 and 1070 to indicate engagement of the latch in the keeper. It is recommended that the 201040 be interconnected with an RRBLS door position switch to reduce the possibility of a false reading of latch engagement with a door ajar. (Note: Open door hand manipulation of the 201040 actuator paddle is an unavoidable possibility.) All parts of the 201040 are of stainless steel stampings. The switch (form C) rating is 10 amps @ 250VAC. When ordering, advise mating lock model (i.e. 1040/1060 or 1070).

### 201010 Tapered Housing Pushbutton Switch

The 201010 pushbutton assembly mounts in the door frame lock pocket opposite the key cylinder. Since there are no exposed fasteners, it is irremovable from the exterior. The 201010 was designed originally for use in a correctional facility as an inmate cell door unlock/guard call switch, in conjunction with an RRBLS electromechanical lock. However, it is applicable wherever its unique mounting can be utilized to provide tamper resistance. The switch has an encapsulated DPDT configuration with a rating of 6 amps @ 120VAC and 4 amps @ 24VDC. The wire leads are furnished with quick disconnect plugs. Standard switch holder finishes are ANSI 606 (US4) and ANSI 626 (US26D).

### Wood Door Strike Reinforcement

A strike reinforcement is recommended when an RRBLS jamb mounted electromechanical lock is used with a solid core wood door. This door edge mortise, wrap-around design provides a rigid metal mounting for the lock strike plate. It enhances the strength of the wood door locking assembly as compared to direct screw attachment of the strike. The standard unit is 24" long and fabricated from stainless steel for either a 1-3/4" or 2" thick door (specify). Custom made lengths are available as specified.

### 201044 Recessed Pushbutton Switch

The 201044 pushbutton assembly is identical to the No. 201010 except that it recess mounts into the frame. *Note: The frame supplier must provide an internal welded-in-place mounting plate (see schematic illustration over).*

### 201028 Surface Mounted Pushbutton Switch

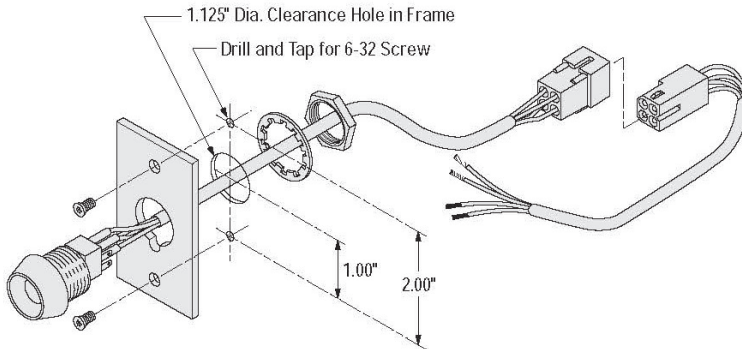
The 201028 pushbutton assembly is identical to the No. 201010 except that it surface mounts with exposed fasteners, ordinarily on the exterior trim of a door frame. When ordering, specify Phillips or pinned Torx head mounting plate screws.



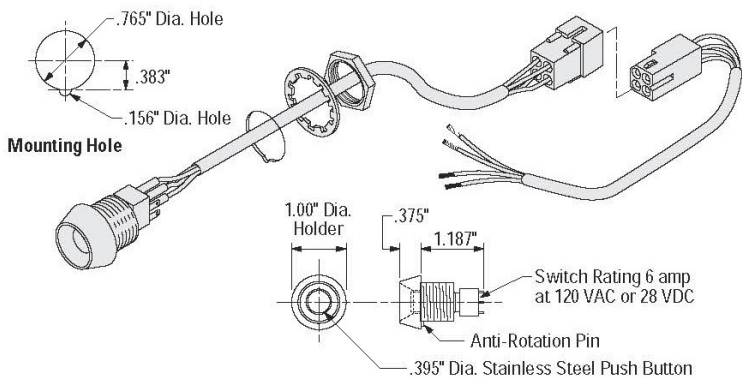
# Accessories

## Locking Accessories

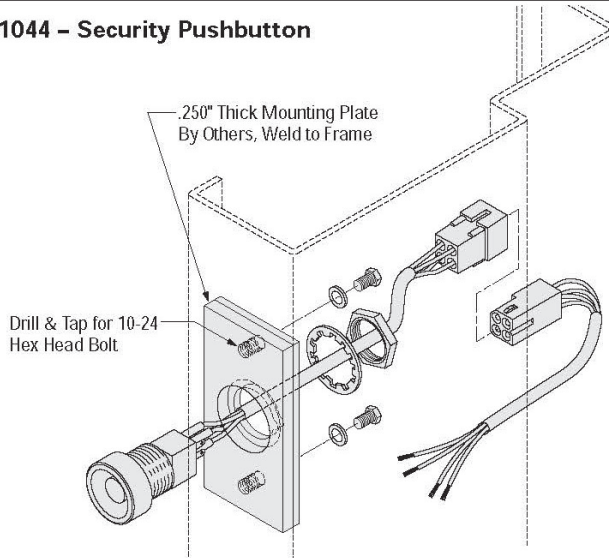
### 201028 – Surface Applied Pushbutton



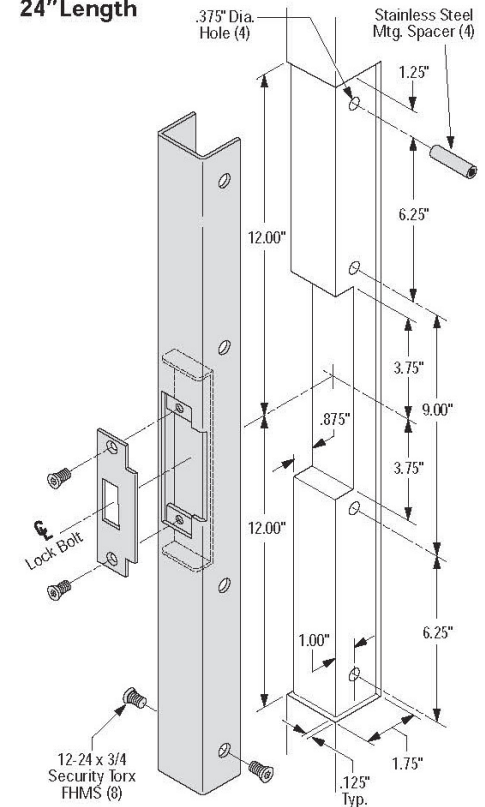
### 201010 – Security Pushbutton



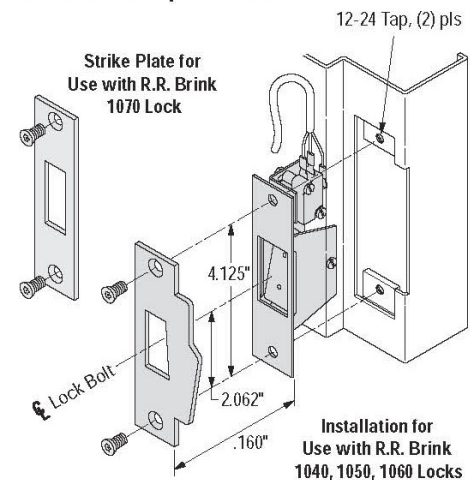
### 201044 – Security Pushbutton



### Wood Door Strike Reinforcement 24\"/>



### 201040 – Keeper Switch



Note:  
1. Consult factory for complete frame preparation on all locking accessories. Do not use the above drawings for construction.



# Accessories

## Test Boxes



B0068-A



B0043-A



B0080-000

### B0043-A

#### Application and Features

- For testing all 24v solenoid locks with Fail Safe:
  - 3020FS
  - 2020FS
  - 1050FS
- Tests All Functions:
  - MSLH
  - MCLH-E
- Shipped with instructions and troubleshooting guide.

### B0043-A

#### Application and Features

- For testing all 120v motor & solenoid locks:
  - 5020M
  - 5020S
  - 7050M
  - 7050S
- Includes Adapter for:
  - 7050M/7050S
- Tests All Functions:
  - MSLH
  - MCLH-M
  - MCLH-E
- Shipped with instructions and troubleshooting guide.

### B00068-A

#### Application and Features

- For testing all 24v motor & solenoid locks with Fail Secure:
  - 3520-300
  - 3520-600
  - 5020M
  - 7050M
  - 3020 FSE
  - 1050FSE
  - 2020FSE
- Tests All Functions:
  - MSLH
  - MCLH-M
  - MCLH-E
- Shipped with instructions and troubleshooting guide.

### B00068-A

#### Application and Features

- For testing sliding cell and corridor devices:
  - 57700
  - 57300
- Includes Adapters for:
  - MSLH





# Accessories

## Key Switches



## APPLICATION

A typical application for a key switch in a correctional facility is for proximity key control of an RRBLs electromechanical sliding or swinging door lock. A key switch can provide an additional security measure where key unlocking of electric locks is routine. A key combination different from the lock's manual key, which can be safe-guarded for use during power interruptions only, operates the key switch. Also, the wiring of the key switch is configured to allow on and off power switching from a central control station. Thus, if the key to the switch cylinder is lost or seized, the key switch can be disabled to prevent unauthorized unlocking of the door.

### 201095 – Narrow Mortise Cylinder Key Switch

This narrow profile key switch is designed to mortise mount in the 2" trim surface of a standard hollow metal door frame.

- Units can be ordered with one or two momentary (MO) or

maintained (MA) action SPDT switches or a combination for actuation by clockwise and/or counter-clockwise key rotation to suit the application. Specify No. 201095 – 1MO or 2MO, or No. 201095 – 1MA or 2MA, or No.201095 – 1MO & 1MA, respectively.

- Electrical rating: 250VAC, 5A resistive; 30VDC, 3A inductive & 5A resistive.
- Accepts any manufactures standard 1-1/8" long mortise cylinder with a "Yale" shape cam.
- When ordered, can be supplied with quick disconnect wire leads (i.e. not standard).
- Optionally available with two LEDs (typically green and red).
- Standard faceplate finish – satin stainless steel (ANSI 630 , US32D).

### 201110 – Standard Mortise Cylinder Key Switch

This key switch is designed to mount in a 2" x 4" electrical outlet box - 2" minimum depth (e.g. Raco handy box No. 674, shown, or equal). Features are identical to Model No. 201095.

### 201065 – Paracentric Key Switch

This key switch is ordinarily used in jails and prisons to complement an RRBLs lever tumbler keying system.

- Normally fitted with two momentary (snap) action SPDT switches (Form C) for actuation by clockwise and/or counterclockwise key rotation. Electrical rating: 125/250VAC, 15A resistive. Standard models available in one (No. 201065-1) or two side (No. 201065-2) keying.
- Furnished with quick-disconnect wire leads.
- Electroplated steel parts.



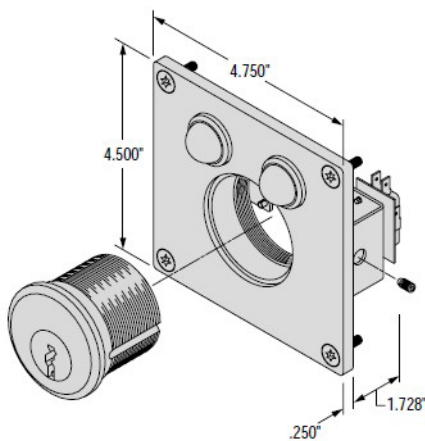
# Accessories

## Key Switches

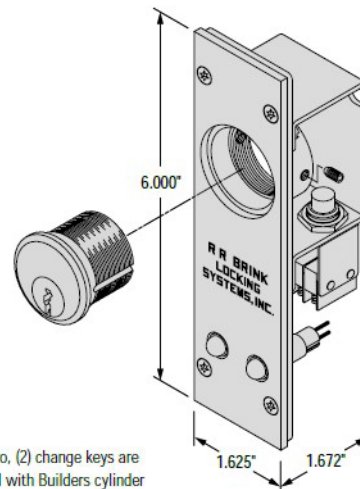
### 201070 – Mogul Cylinder Key Switch

This key switch employs an institutional style Mogul cylinder.

- Standard model accepts RRBLS Mogul cylinder (2.000" x 27 thread x 1-3/4" long x Yale type cam). The 201070 can be adapted for use with other manufacturers' Mogul cylinders by special order.
- Normally fitted with two momentary action SPDT switches (Form C) for actuation by clockwise and/or counterclockwise key rotation. Electrical rating: 125/250VAC, 15A resistive.
- Optionally available with one or two shatter resistant LED's in green and red as specified.
- Furnished with quick-disconnect wire leads.
- Standard faceplate – electroplated steel.

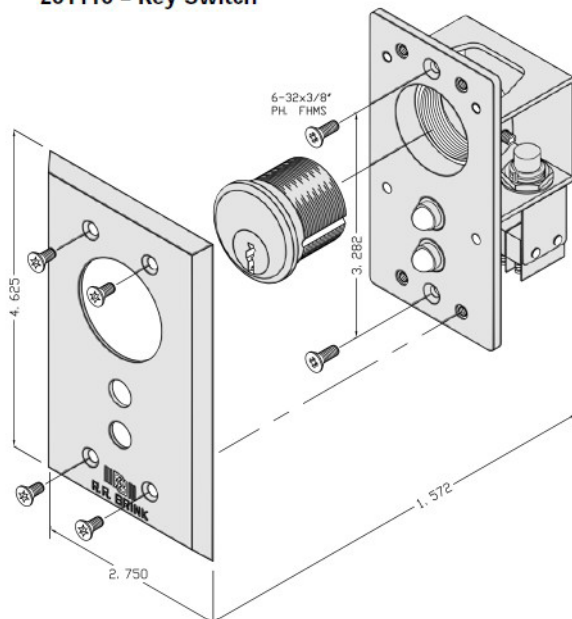


Note: Keys for Mogul cylinder must be ordered separately.



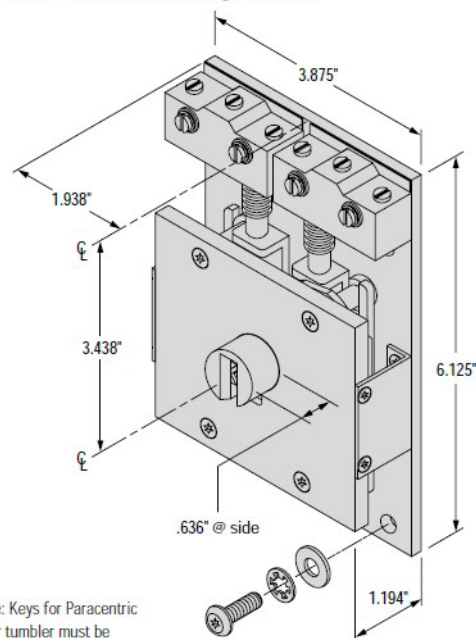
Note: Two, (2) change keys are furnished with Builders cylinder

### 201110 – Key Switch



Note: Two, (2) change keys are furnished with Builders cylinder

### 201065 – Paracentric Key Switch



Note: Keys for Paracentric lever tumbler must be ordered separately.





# Accessories

## 900 Series Momentary Pushbutton



**Model 907**



**Model 906**

### 906 Momentary Push Button

**RATING:** 10 amp **USAGE:** Heavy-duty switch for electric locks, except for functions requiring a maintained contact switch. Suitable for inmate use. Finish US26D.

### 907 Push Button

**RATING:** 6 amp **USAGE:** This function is the same as the 906. Faceplate is not available. The 907 pushbutton becomes an integral part of the frame. Finish US32D.

## 900 Series Keywitches



**Model 930A**



### 930 THREE POSITION MAINTAINED KEYSWITCH, PARACENTRIC

**RATING:** 15 amp **USAGE:** Extra heavy-duty keyswitch for sliding door locking device. Galvanized finish. Utilizes paracentric key and cylinder. Specify one or two way keying.

### 936 THREE POSITION MAINTAINED KEYSWITCH, MOGUL

**RATING:** 15 amp **USAGE:** Heavy duty keyswitch for sliding door locking devices. US26D is standard cylinder finish, US32D is standard plate finish. Utilizes institutional (mogul-type) key and cylinder.



# Glossary

## ABBREVIATIONS

<b>AC</b>	Alternating Current	<b>KCE</b>	Key Cylinder Extender
<b>BH</b>	Button Head	<b>KS</b>	Key Switch
<b>CPS</b>	Concealed Door Position Switch	<b>LEK</b>	Local Electric Key Switch
<b>D</b>	Half Cycle Function	<b>M</b>	Motor
<b>DC</b>	Direct Current	<b>MKH</b>	Mechanical Key Hold Back
<b>DPS</b>	Door Position Switch	<b>MLH</b>	Maintained Latch Hold Back
<b>E</b>	Solenoid	<b>MRA</b>	Material Return Authorization
<b>EED</b>	Emergency Exit Device	<b>MRS</b>	Magnetic Reed Switch
<b>EER</b>	Emergency Exit Release	<b>NA</b>	Not Applicable
<b>ELC</b>	External Local Control	<b>NC</b>	No Charge
<b>FH</b>	Flat Head	<b>NL</b>	No Latch
<b>FP</b>	Food Pass	<b>P</b>	Plate
<b>FS</b>	Full Surface	<b>POR</b>	Price on Request
<b>G</b>	Bar Grating	<b>SD</b>	Dead Lock Indication
<b>HM</b>	Hollow Metal	<b>SK</b>	Safety Knob
<b>HS</b>	Half Surface	<b>T6</b>	Six Tumbler Paracentric Lock
<b>K</b>	Standard Knob	<b>UL</b>	Underwriters Laboratories

## STANDARD FINISHES

<b>USP</b>	Prime Painted	<b>US32D</b>	Satin Stainless Steel
<b>US26</b>	Polished Chrome Plated	<b>GAL</b>	Galvanized*
<b>US26D</b>	Satin Chrome Plated	<b>SS</b>	Stainless Steel
<b>US32</b>	Polished Stainless Steel		

\*The American Hot Dip Galvanizers Association recommends that, due to extremely thin zinc on the sheet, painting or other top coating improves the service life.



# Glossary

## GENERAL

<b>Cylinder Extender:</b>	A device added to a cylinder to provide additional length.
<b>Dead Lock Indication:</b>	Directional arrow indicates if lockbolt is extended or retracted.
<b>Fail Safe:</b>	Upon loss of power, all electric locks will open.
<b>Fail Secure:</b>	Upon loss of power, all electric locks will remain locked.
<b>Fish Tail:</b>	Another term for a bottom door guide used on a sliding door.
<b>Grating:</b>	A term used to describe a bar type partition, door and grill.
<b>Hollow Metal:</b>	A term used to describe doors and frames which are made of a lighter gauge material, usually 12 gauge or less.
<b>J-Hook:</b>	Another term for a closure plate used on sliding door systems.
<b>Jamb:</b>	A term used to describe the vertical members of a door frame.
<b>Mortise:</b>	An opening made to receive a lock or other hardware.
<b>Mylar™:</b>	Mylar is a registered trademark of the DuPont Chemical Company.
<b>Narrow Jamb Lock:</b>	A lock mounted in a two inch hollow metal frame.
<b>Plate:</b>	A term for heavier gauge materials used to form doors and frames.
<b>Plug Connector:</b>	A plastic female & male plug mechanism attached to the end of the wiring used in electric locks or other electric mechanisms for quick & easy disconnect.
<b>Q-LON2™:</b>	Q-LON2 is a registered trademark of the Schlegel Corporation.
<b>Safety Knob</b>	A cone shaped knob.
<b>Sliding Door:</b>	A door which is hung on rollers and moves horizontally to open or close.
<b>Swinging Door:</b>	A door which is hung on hinges or pivots.
<b>Teflon™:</b>	Teflon is a registered trademark of the DuPont Chemical Company.



# Glossary

## BOLTS

**Cremone Bolt:** A bolt designed to give locking at the head, foot and in the center of the door, providing a three point locking system for specialty-type doors in high security applications.

**Extended Bolt:** Used for hollow metal or stop side mounting.

**Head and Foot Bolt:** Bolts which are mortises at the top of the door and the bottom of the door, locking into the frame head and to the floor. These bolts can only be used on pairs of doors and Dutch doors.

## ELECTRONICS

**AMP (Ampere):** Units of measurement of the rate of flow of electrical current.

**Backplane:** Printed circuit board.

**BUS:** A conductor to which two or more circuits can be connected.

**Continuous Duty:** Device is designed to operate 100% of the time.

**Interlock:** A door control scenario that prohibits electrical operation of selected doors if a door in the defined group is open or unsecure.

**LED:** Light emitting diode.

**Maintained Switch:** A switch that stays in the contact position when actuated and released.

**Momentary Switch:** A switch which makes contact only while being actuated and held.

**NC (Normally Closed):** Switch contacts that are connected when not actuated.

**NO (Normally Open):** Switch contacts that are not connected when not actuated.

## HINGES

**Electric:** A transfer hinge. This hinge transfers power from the jamb to an electric device that is normally mounted in or on the door.

**Food Pass:** A hinge which has a 90 degree stop applied to be used with food pass doors.

**Full Mortise:** Hinge leaves which are normally mortised flush—one into the door, and one into the frame.

**Full Surface:** Hinge leaves which are both surface mounted on the door and the frame.

**Full Surface/Gap:** A hinge designed to be used with bar grating doors and partitions.

**Half Surface:** A hinge that has one leaf mortised into the frame and one leaf surface mounted on the door.



# Glossary

## KEYS AND CYLINDERS

<b>Mogul Cylinder:</b>	A pin tumbler cylinder that is approximately 2 inches in diameter. Designed to operate certain types of detention locks.
<b>Mogul Key:</b>	Designed to activate the pin tumblers of a mogul cylinder.
<b>Paracentric Cylinder:</b>	A cylinder designed to accept a bit key and operate with wafer tumblers. Also referred to as a nose.
<b>Paracentric Key:</b>	A large bit type key that is normally used with maximum security detention locks using wafer tumblers to activate the lock mechanism.
<b>Pin Tumblers:</b>	Small cylindrical-shaped pins used in the mogul cylinder to create the different key codes.
<b>Steel Engaging Ball:</b>	A small ball that is placed in the mogul cylinder, against which the key rides allowing the movement necessary to operate the cylinder.
<b>Wafer Tumbler:</b>	Thin brass plates that are spring activated, functioning with the paracentric key and the paracentric cylinder to allow the lock to be unlocked or locked.

## LOCKS

<b>Deadlock:</b>	A square bolt lock which is always either in the locked or the unlocked position.
<b>Deadlock Actuator:</b>	A mechanical means of tripping a deadlock cam on snaplocks.
<b>Electro Mechanical:</b>	Locks that are operated both manually and electrically.
<b>Hook Bolt:</b>	A bolt that is made into the shape of a hook that is normally used on locks for sliding doors.
<b>Mechanical:</b>	Locks that are only operated manually.
<b>Mortise:</b>	A lock which is installed into the edge of the door with the trim and cylinder being mounted into the lock through the face of the door.
<b>Pneumatic:</b>	A lock which is operated both manually and by compressed air.
<b>Snaplatch:</b>	A beveled bolt lock which latches upon closing the door.

## PLATES/MOUNTINGS

<b>Cover Plate:</b>	A plate used to cover the lock mounting pocket built into the jamb by the frame manufacturer.
<b>“G” Mounting:</b>	A box used to mount mechanical locks on bar grating.



# Glossary

**HM Mounting Plate:** A plate used to mount mechanical locks in hollow metal doors.

**“P” Mounting:** An encasement used to mount paracentric keyed mechanical locks on plate doors.

## STRIKES/KEEPERS

**Keeper:** A flat plate normally mortised into the jamb and used with square bolt deadlocks.

**Keeper/Strike Switch:** A small switch mounted behind the keeper or strike, that gives monitoring indication when the bolts are projected into the strike or keeper.

**Strikes:** Normally flat plates or cast items that are used with snap bolt locks. Some strikes have lips, whereas keepers do not.

## SWITCHES

**Key Switches:** Key-operated switches normally used to activate the electrical or pneumatic functions of detention locks.

**Push Button:** A contact switch which can be used to create a signal or activate the electrical or pneumatic functions of detention locks.

