

M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Maximum security.

**1010A
DEADLOCK**

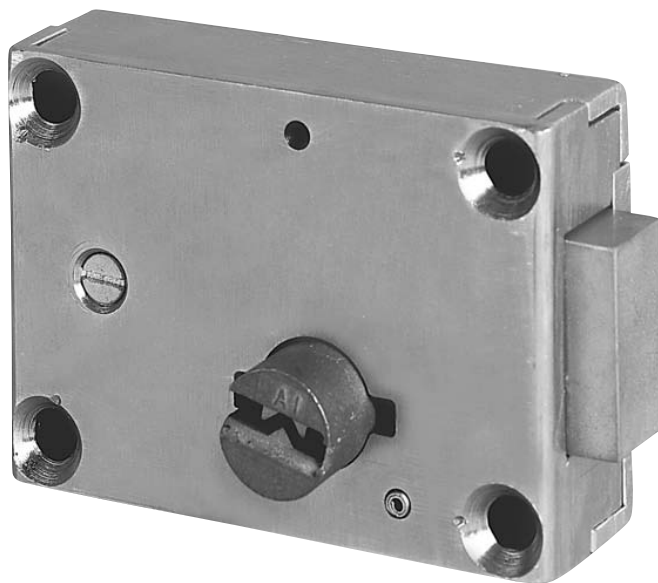
1010A-1: KEYED ONE SIDE
1010A-2: KEYED BOTH SIDES

APPLICATION:

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

FUNCTION:

Key activated locking and unlocking.



M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Maximum security.

STANDARD FEATURES:

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

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)

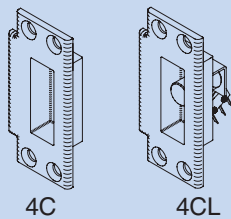
GRATING DOOR MOUNTING - Used for grating door application. Specify "G." (See page G17)

PLATE DOOR MOUNTING - Used for steel plate door application. Specify "P." (See page G17)

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.

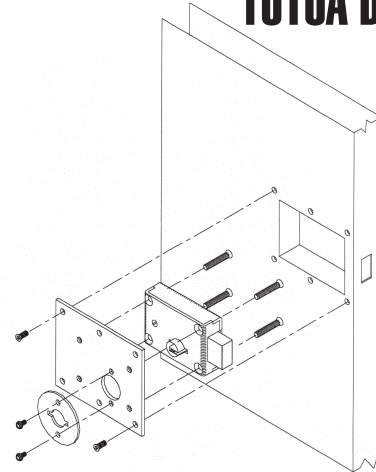
BOLT KEEPERS



HOW TO ORDER:

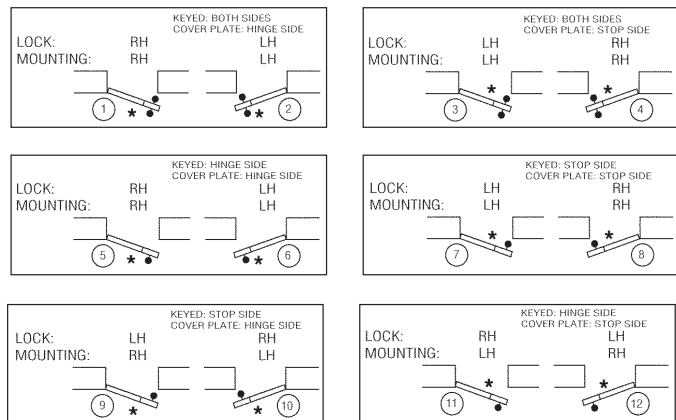
- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Bolt projection
 4. Application (HM, G, P)
 5. Key code instruction
 6. Bolt keeper requirements

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
- **LOCKBOLT:** Steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:** 4.4" L x 3.15" H x 1.35" TK
- **LOCK WEIGHT:** 4.5 lbs.
- **LOCKBOLT SIZE:** 1-1/2" H x 3/4" TK
- **LOCKBOLT THROW:** 5/8"



M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Medium and maximum security.

**1010AM
DEADLOCK**

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

APPLICATION:

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

FUNCTION:

Mogul key activated locking and unlocking.



M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Medium and maximum security.

STANDARD FEATURES:

- Mechanical deadlock
- 6 pin tumblers
- Mounting fasteners

OPTIONAL FEATURES:

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

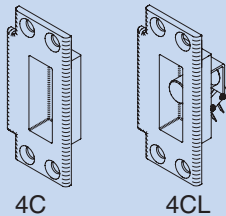
HOLLOW METAL MOUNTING - Used for hollow metal door application. Specify "HM." (See page G17)

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.

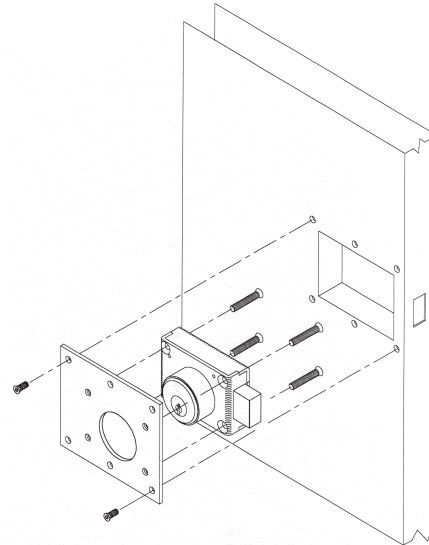
BOLT KEEPERS



HOW TO ORDER:

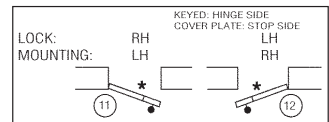
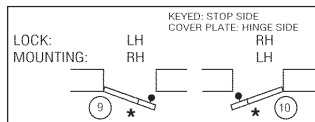
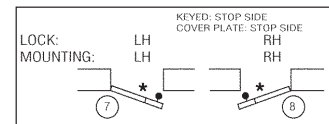
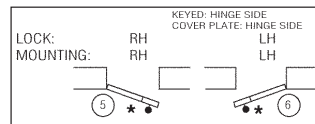
- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Bolt projection
 4. Application (HM or surface)
 5. Key code instruction
 6. Bolt keeper requirements

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:**
Combination nickel silver and stainless steel, 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

DOOR MOUNTED
FOR SMALL
SWINGING DOORS

Maximum security.

1017A
SNAPLATCH

1017A-1: KEYED ONE SIDE

APPLICATION:

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

FUNCTION:

Key activated unlocking.
Snaplatches upon closing.

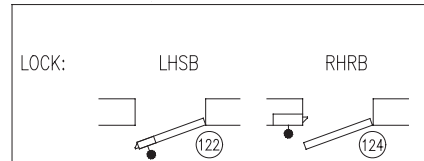
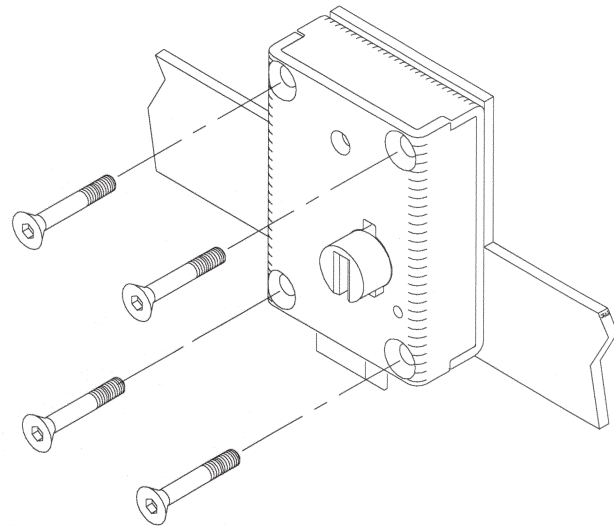


M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Maximum security.

1017A SNAPLATCH



STANDARD FEATURES:

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

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

TECHNICAL DATA:

- **STANDARD FINISH:**
Galvanized
- **COVER:** Steel
- **CASE:** Steel
- **LATCHBOLT:** Steel
- **PARACENTRIC CYLINDER:**
Silicon bronze/
copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:**
4.4" L x 3.15" H x 1.35" TK
- **LOCK WEIGHT:** 3 lbs.
- **LATCHBOLT SIZE:**
1-1/2" H x 3/4" TK
- **LATCHBOLT:**
5/8" extended
1/2" travel



M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Medium and maximum security.

**1017AM
SNAPLATCH**

1017AM-1: KEYED ONE SIDE

APPLICATION:

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

FUNCTION:

Key activated unlocking.
Snaplatches upon closing.

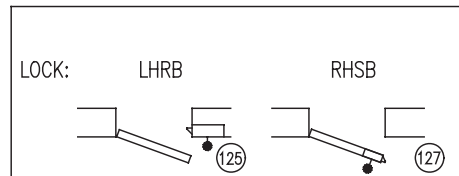
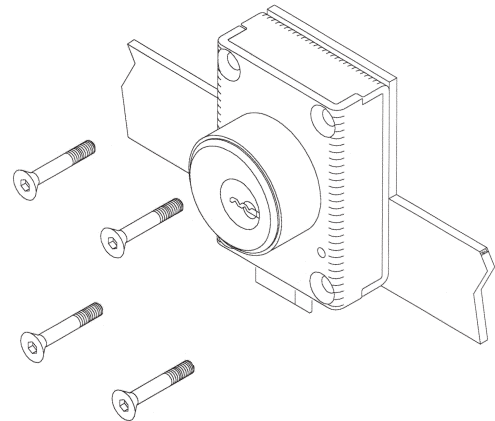


M E C H A N I C A L L O C K S

**DOOR MOUNTED
FOR SMALL
SWINGING DOORS**

Medium and maximum security.

1017AM SNAPLATCH



STANDARD FEATURES:

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

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

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** Steel
- **CASE:** Steel
- **LATCHBOLT:** Stainless steel
- **MOGUL CYLINDER:** US26D
- **PIN TUMBLERS & ENGAGING BALLS:** Combination nickel silver and stainless steel, 6 tumblers per lock.
- **MOGUL KEYS:** Nickel Silver
- **LOCK CASE SIZE:** 4.4" L x 3.15" H x 1.35" TK
- **LOCK WEIGHT:** 5 lbs.
- **LATCHBOLT SIZE:** 1-1/2" H x 3/4" TK
- **LATCHBOLT:** 5/8" extended 1/2" travel



MECHANICAL LOCKS

DOOR MOUNTED FOR SLIDING DOORS

Maximum security.

1030A
AUTOMATIC
DEADLOCK

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

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.

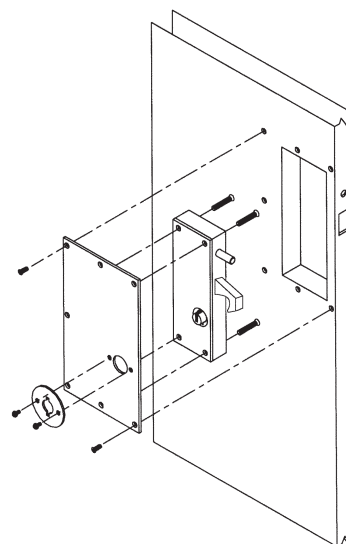


M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SLIDING DOORS

Maximum security.

1030A AUTOMATIC DEADLOCK



HM Mounting Shown

STANDARD FEATURES:

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

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." (See page G17)

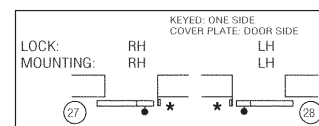
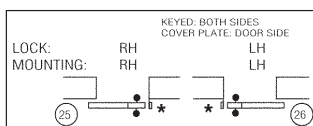
GRATING DOOR MOUNTING -

Used for grating door application. Specify "G." (See page G17)

HOW TO ORDER:

- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Application (HM, G)
 4. Key code instruction

Swing Chart: Specify circled swing number when ordering.



* Indicates lock mounting/access plate side.

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** Cold-rolled steel
- **CASE:** Ductile iron
- **HOOKBOLT:** Cold-rolled, case-hardened steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:** 10" H x 3-1/2" W x 1-1/2" TK
- **LOCK WEIGHT:** 12 lbs.
- **LATCHBOLT SIZE:** 1-5/8" H x 1/2" TK



M E C H A N I C A L L O C K S

**DOOR MOUNTED FOR
SLIDING DOORS**

Maximum security.

**1030AD
DEADLOCK**

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

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.

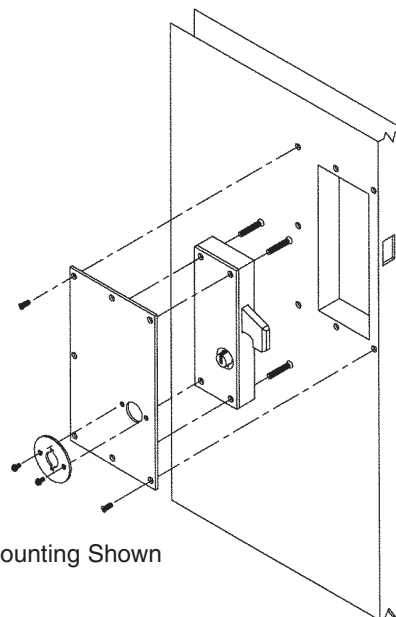


M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SLIDING DOORS

Maximum security.

1030AD DEADLOCK



HM Mounting Shown

STANDARD FEATURES:

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

OPTIONAL FEATURES:

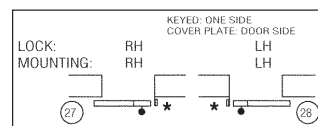
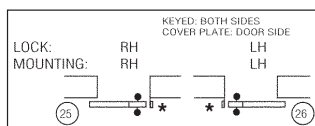
KNOB FUNCTION -
Knob will retract hook bolt. Knob on one side only. No key required. Specify "1030ADK." Knob finish US26D.

HOLLOW METAL MOUNTING -
Used for hollow metal door application. Specify "HM."
(See page G17)

GRATING DOOR MOUNTING -
Used for grating door application. Specify "G."
(See page G17)

HOW TO ORDER:
Specify:
1. Quantity
2. Swing chart number (handing)
3. Application (HM, G)
4. Key code instruction

Swing Chart: Specify circled swing number when ordering.



* Indicates lock mounting/access plate side.

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** Cold-rolled steel
- **CASE:** Ductile iron
- **LOCKBOLT:** Cold-rolled, case-hardened steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:** 10" H x 3-1/2" W x 1-1/2" TK
- **LOCK WEIGHT:** 12 lbs.
- **LATCHBOLT SIZE:** 1-5/8" H x 1/2" TK



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

1070A COMBINATION SPRING AND DEADLOCK

1070A 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 COMBINATION SPRING AND DEADLOCK

1070AK.a COMBINATION SPRING AND DEADLOCK

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.



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

STANDARD FEATURES:

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

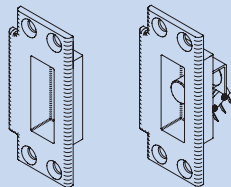
OPTIONAL FEATURES:

HOLLOW METAL MOUNTING -
Used for hollow metal door application.
Specify "HM." (See page G17)

GRATING DOOR MOUNTING -
Used for grating door application.
Specify "G." (See page G17)

PLATE DOOR MOUNTING -
Used for steel plate door application.
Specify "P." (See page G17)
470CL Bolt Keeper with switch

BOLT KEEPERS/STRIKES



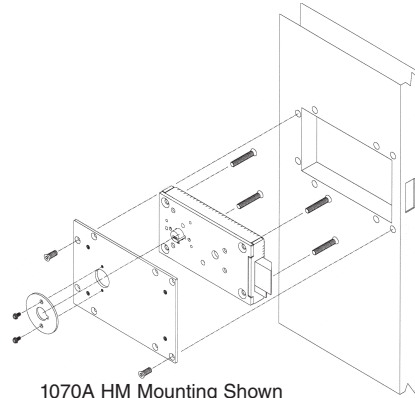
470C (Standard) **470CL** (Optional)

Note:
Bolt Keepers are supplied with security fasteners.

HOW TO ORDER:

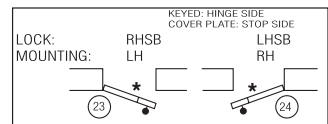
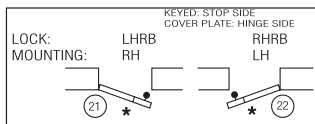
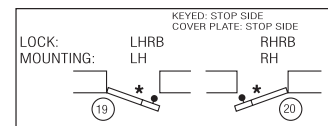
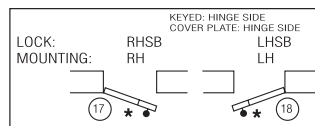
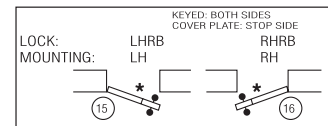
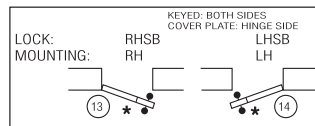
- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Application (HM, G, P)
 4. Key code instruction
 5. Bolt keeper requirements

1070A/1070AK.a COMBINATION SPRING AND DEADLOCK



1070A 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:** Stainless steel with (2) 1/4" diameter case-hardened steel insert pins
- **DEADLOCK ACTUATOR:** Stainless steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:** 9" L x 5" H x 1-1/2" TK
- **LOCK WEIGHT:** 11 lbs.
- **LATCHBOLT SIZE:** 2" H x 3/4" TK
- **LATCHBOLT THROW:** 3/4"
- **DEADLOCK ACTUATOR SIZE:** 3/4" x 1/2"
- **UL Listed** for use on three-hour fire doors.



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

1080A DEADLOCK

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

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.



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

STANDARD FEATURES:

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

OPTIONAL FEATURES:

DEADLOCK INDICATION - Directional arrow indicates if lockbolt is extended or retracted. Specify "SD".

- 1080ASD-1 Keyed one side
- 1080ASD-2 Keyed both sides

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

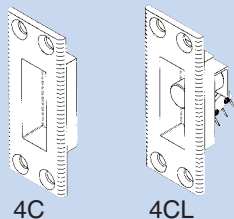
HOLLOW METAL MOUNTING - Used for hollow metal door application. Specify "HM". (See page G17)

GRATING DOOR MOUNTING - Used for grating door application. Specify "G". (See page G17)

PLATE DOOR MOUNTING - Used for steel plate door application. Specify "P". (See page G17)

BOLT KEEPER OPTIONS - (Must be specified separately):
 4C - Bolt keeper with dustbox
 4CL - Bolt keeper with switch
 NOTE: Keepers supplied with security fasteners.

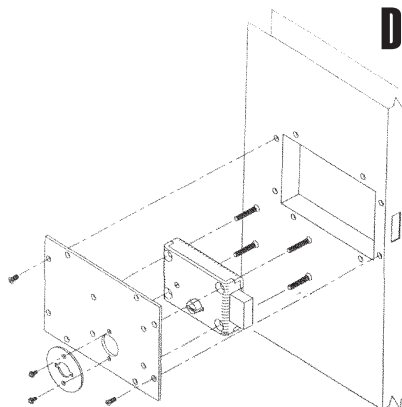
BOLT KEEPERS/STRIKES



HOW TO ORDER:

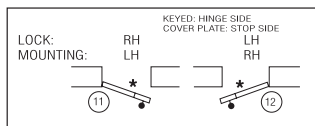
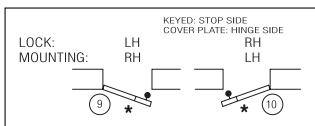
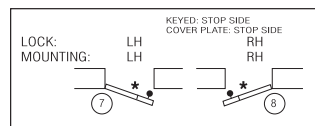
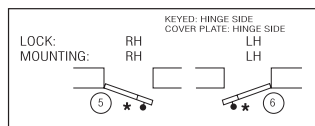
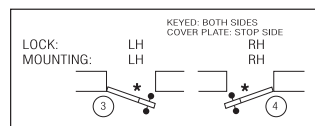
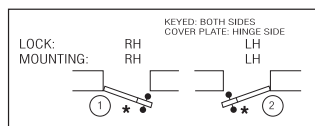
- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Bolt projection
 4. Application (HM, G, P)
 5. Key code instruction
 6. Bolt keeper requirements

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
- **LOCKBOLT:** Cold-rolled steel with (3) 1/4" diameter case-hardened steel insert pins
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **LOCK SIZE:** 5-1/2" L x 3-7/8" H x 1-1/2" TK
- **LOCK WEIGHT:** 7 lbs.
- **LOCKBOLT SIZE:** 2" H x 3/4" TK
- **LOCKBOLT THROW:** 3/4"



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

10370A
CREMONE BOLT SET
WITH SNAPLATCH

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

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.



M E C H A N I C A L L O C K S

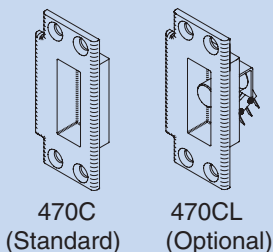
DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

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
See page G16 for 10105 and 10105R

BOLT KEEPERS/STRIKES



470C (Standard) 470CL (Optional)

HOW TO ORDER:

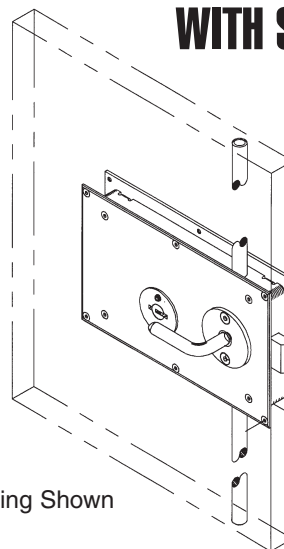
Specify:

1. Quantity
2. Swing chart number (handing)
3. Key code instructions
4. 1-3/4" or 2" door

OPTIONAL FEATURE FOR PAIR OF DOORS:

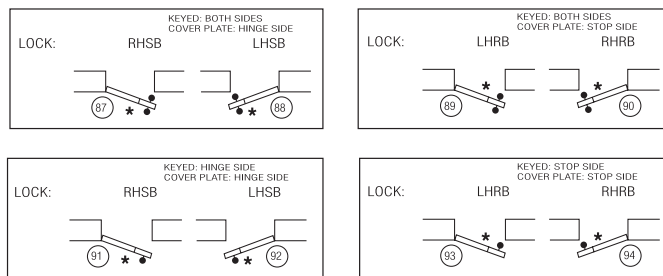
10105 HEAD OR FOOT BOLT

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 is US26)
- **LOCKBOLT:** Cold-rolled steel with hardened steel insert pins
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock.
- **LOCK SIZE:** 15-5/16" L x 9-1/2" H x 2-1/8" TK
- **LOCK WEIGHT:** 60 lbs.
- **LATCHBOLT SIZE:** 2" x 3/4"
- **LATCHBOLT THROW:** 3/4"



M E C H A N I C A L L O C K S

**DOOR MOUNTED FOR
SWINGING DOORS**

Maximum security.

**10380A
CREMONE BOLT SET
WITH DEADLOCK**

- 10380AA-1: ACTIVE-KEYED
ONE SIDE
- 10380AA-2: ACTIVE-KEYED
BOTH SIDES
- 10380AI-1: INACTIVE-KEYED
ONE SIDE
- 10380AI-2: INACTIVE-KEYED
BOTH SIDES

APPLICATION:

For single swinging doors or swinging pair of doors in high security areas where slamlocking is not required.

FUNCTION:

Key activated locking and unlocking. Doors secured at top and bottom by head and foot rods and in the center by deadlock. Lever handle operates head and foot rods except when in deadlock. Foot rod receptacle is available.



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

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
See page G16 for 10105 and 10105R

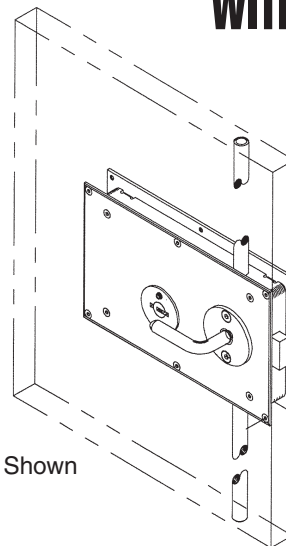
HOW TO ORDER:

- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Key code instructions
 4. 1-3/4" or 2" door.

OPTIONAL FEATURES FOR PAIR OF DOORS:

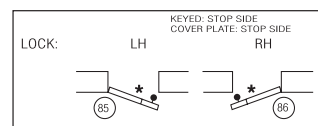
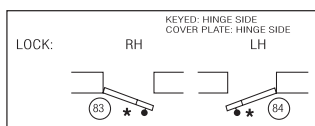
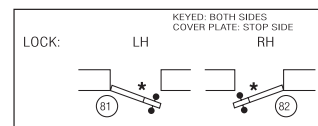
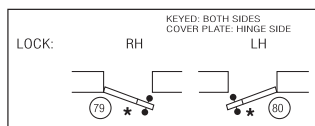
10105 HEAD OR FOOT BOLT

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 is US26)
- **LOCKBOLT:** Cold-rolled steel with hardened steel insert pins
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock.
- **LOCK SIZE:**
15-5/16" L x 9-1/2" H x 2-1/8" TK
- **LOCK WEIGHT:** 55 lbs.
- **LOCKBOLT SIZE:**
2" x 3/4"
- **LOCKBOLT THROW:** 3/4"



M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Minimum and medium security.

**10500
INSTITUTIONAL
MORTISE LOCK**

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.



UL

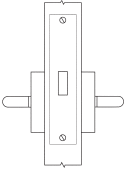


M E C H A N I C A L L O C K S

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

10501

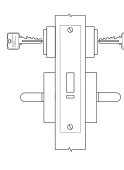


10501 Passage or Closet Latch

- Latchbolt operated by lever either side.

F01

10509

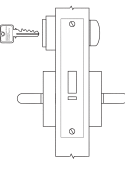


10509 Apartment, Exit or Toilet Lock

- Latchbolt operated by lever either side except when outside lever is locked by key from inside.
- When outside lever is locked, latchbolt is operated by key outside, lever inside.
- Deadlock actuator.

F09

10504

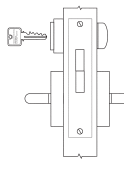


10504 Entry Lock

- Latchbolt operated by lever either side, except when outside lever is locked by inside thumbturn.
- When outside lever is locked, latchbolt operated by key outside, lever inside.
- Deadlock actuator.

F04

10513

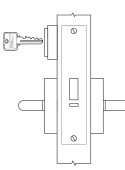


10513 Dormitory or Exit Lock

- Latchbolt operated by lever from either side.
- Deadbolt projected by key outside, and thumbturn inside.
- Lever inside simultaneously operates both bolts.

F13

10505

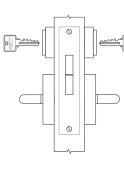


10505 Classroom Lock

- Latchbolt operated by lever either side, except when outside lever is locked by key outside.
- Lever inside is always active.
- Deadlock actuator.

F05

10514



10514 Store Door Lock

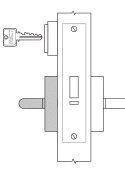
- Latchbolt operated by lever either side.
- Deadbolt operated by key both sides.

10514 Modified Store Door Lock

- Latchbolt and deadbolt operated by lever either side.
- Deadbolt operated by key both sides.

F14

10507

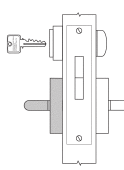


10507 Storeroom or Closet Lock

- Latchbolt operated by key outside, lever inside.
- Lever outside always rigid.
- Deadlock actuator.

F07

10515



10515 Modified Hotel Guest Lock

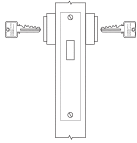
- Latchbolt operated by lever inside or by key outside.
- Deadbolt operated by thumbturn inside or by key outside.
- Lever outside always rigid.
- Lever inside simultaneously operates both bolts.
- Deadlock actuator.

F15 Modified

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

10516

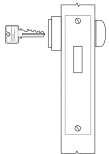


10516 Deadlock

- Deadbolt is operated by key either side.

F16

10517

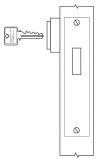


10517 Deadlock

- Deadbolt is operated by key outside, thumbturn inside.

F17

10518

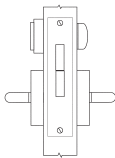


10518 Deadlock

- Deadbolt is operated by key from outside.

F18

10519

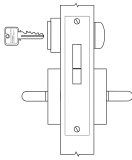


10519 Privacy, Bedroom or Bath Lock

- Latchbolt operated by lever either side.
- Deadbolt operated by thumbturn inside, emergency release outside.
- Lever inside simultaneously operates both bolts.
- No key operation

F19

10520

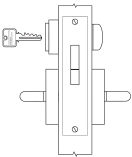


10520 Apartment Corridor Door Lock

- Deadbolt operated by key outside or thumb turn inside.
- Key outside operates latchbolt and deadbolt.
- Lever inside simultaneously operates both bolts.
- Lever outside is locked when deadbolt is projected.
- When deadbolt is retracted, outside lever is unlocked.
- Latchbolt is deadlocked when deadbolt is projected.

F20

10521

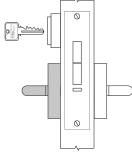


10521 Entrance or Storeroom Door Lock

- Latchbolt is operated by lever either side.
- Deadbolt operated by key outside, thumbturn inside.

F21

10536



10536 Lockset

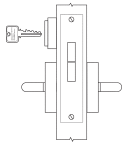
- Inmate Function
- Latchbolt and deadbolt operated by master key outside.
- Day key outside and lever inside operate latchbolt only, except when deadbolt is extended.
- Lever outside always rigid.
- Deadlock actuator.

MECHANICAL LOCKS

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

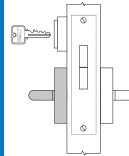
10561



10561 Lockset

- Latchbolt operated by lever either side, except when deadbolt is extended.
- Key outside operates deadbolt.

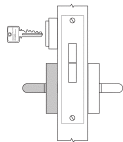
10565



10565 Lockset

- Latchbolt operated by lever inside, except when deadbolt is extended.
- Lever outside always rigid.
- Master key outside operates latchbolt and deadbolt.
- Day key operates latchbolt only.

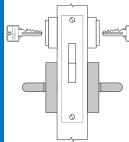
10562



10562 Lockset

- Latchbolt operated by lever inside, except when deadbolt is extended.
- Lever outside always rigid.
- Key outside operates latchbolt and deadbolt.

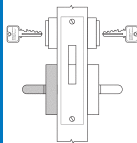
10566



10566 Lockset

- Levers both sides always rigid.
- Latchbolt and deadbolt operated by master key both sides.
- Day key operates latchbolt only both sides.

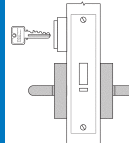
10563



10563 Lockset

- Latchbolt operated by lever inside, except when deadbolt is extended.
- Lever outside always rigid.
- Key both sides operates latchbolt and deadbolt.

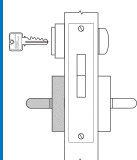
10571



10571 Lockset

- Levers always rigid both sides.
- Latchbolt operated by key outside.
- Deadlock actuator.

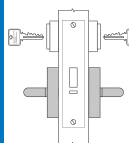
10564



10564 Lockset

- Latchbolt operated by lever inside, except when deadbolt is extended.
- Lever outside always rigid.
- Key outside operates latchbolt and deadbolt.
- Thumbturn inside operates deadbolt.

10572



10572 Lockset

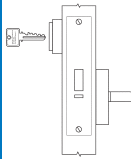
- Levers both sides always rigid.
- Latchbolt operated by key both sides.
- Deadlock actuator.

MECHANICAL LOCKS

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

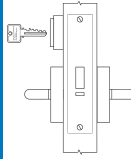
10573



10573 Lockset

- Lever inside operates latchbolt.
- Key outside operates latchbolt.
- Deadlock actuator.
- No outside lever.

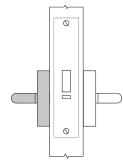
10577



10577 Lockset

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

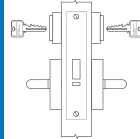
10574



10574 Lockset

- Latchbolt operated by lever inside.
- Lever outside always rigid.
- Deadlock actuator.

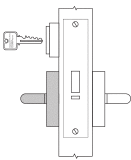
10578



10578 Lockset

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

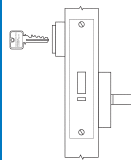
10575



10575 Lockset

- Latchbolt operated by lever inside unless locked out by key outside.
- Lever outside always rigid.
- Key outside operates latchbolt.
- Deadlock actuator.

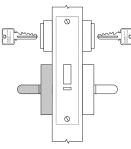
10579



10579 Lockset

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

10576



10576 Lockset

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

M E C H A N I C A L L O C K S

DOOR MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10500 INSTITUTIONAL MORTISE LOCK

STANDARD FEATURES:

- Lever handles
- Mogul cylinder(s)
- Strike (500B) with security fasteners
- Faceplate with security fasteners
- Mounting fasteners
- High security rose with security fasteners
- Finish US32D

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"

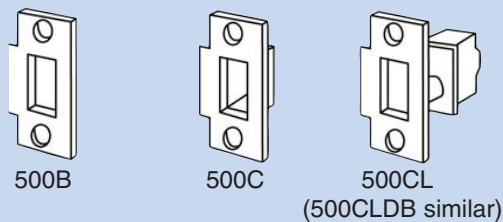
NOTE: For functions without outside or inside handles, we recommend the use of a door pull.

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 bolt strikes are supplied with security fasteners.

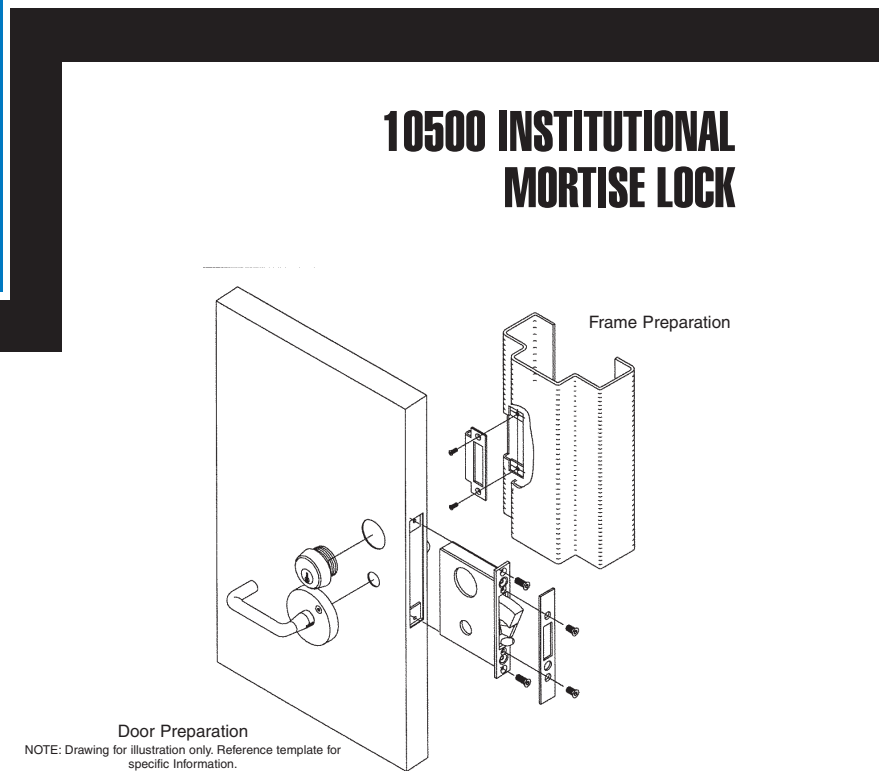
BOLT STRIKES



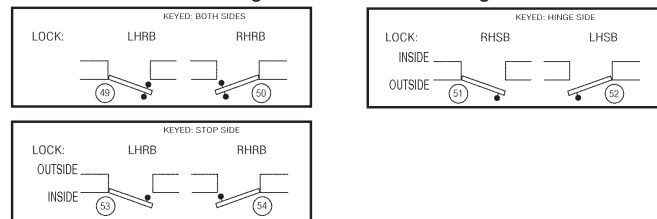
HOW TO ORDER:

- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Function
 4. Cylinder type
 5. Strike type
 6. Knob/lever requirements
 7. Key code instructions
 8. Specify 1-3/4" or 2" door.

NOTE: When knob or lever lockout functions are required, please indicate if stop or hinge side is considered room interior.



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
- DEADLOCK ACTUATOR: Stainless steel
- LEVER HANDLES: Stainless steel
- LATCHBOLT SIZE: 1-1/8" H x 3/4" TK
- KEY CYLINDER: Mogul or Builder's
- DEADBOLT SIZE: 1-1/4" H x 3/4" TK
- LOCK WEIGHT: 20 lbs.
- LATCHBOLT THROW: 3/4"
- DEADBOLT THROW: 1"
- FITS ANSI DOOR PREP. A115.1
- Listed for use on three-hour fire doors, except 10516, 10517 and 10518.



P.O. BOX 2021 • SAN ANTONIO, TX • 78297 • 210-533-1231 • FAX: 210-533-2211

MANUAL SLIDING DOORS

Maximum security.

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

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

HOW TO ORDER:

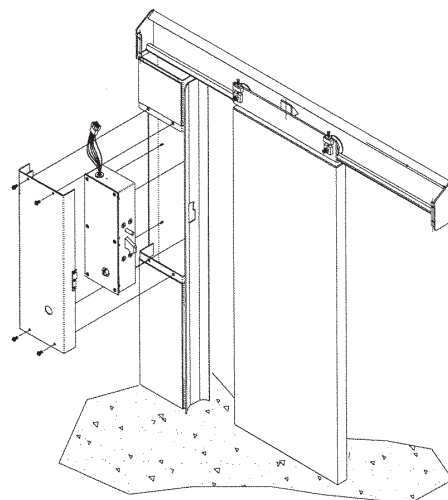
Specify:

1. Door width
Available in three sizes:
2' 0" to 2' 6"
2' 6" to 3' 0"
3' 0" to 3' 6"
2. Wall construction type
Masonry (M)
Grating (G)
3. Lock type

1300 TRACK SET



Shown with 1058M Lock and Optional Lock Mounting Pilaster



ELECTRIC LOCKS

FENCE MOUNTED FOR SWINGING/SLIDING GATES

Maximum security.

**1050D
SOLENOID OPERATED
ELECTRO-MECHANICAL
GATE LOCK**

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

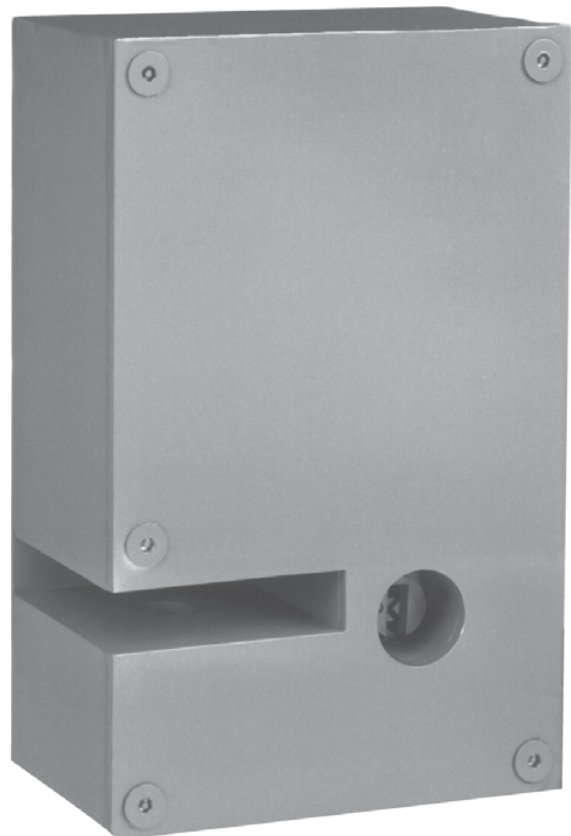
APPLICATION:

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.

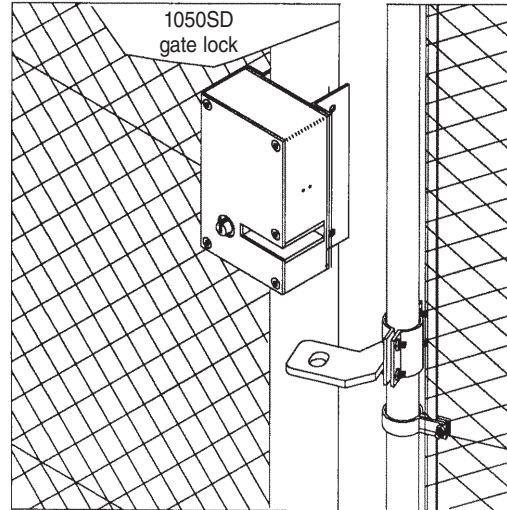


ELECTRIC LOCKS

FENCE MOUNTED FOR SWINGING/SLIDING GATES

Maximum security.

1050D SOLENOID OPERATED ELECTRO-MECHANICAL GATE LOCK



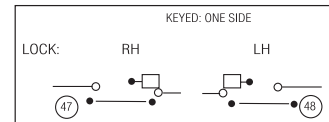
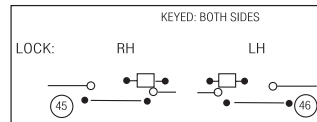
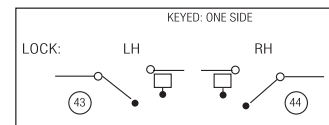
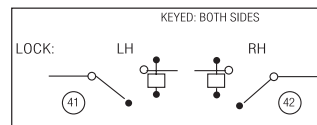
STANDARD FEATURES:

- 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

NOTE:

Specify:
1050SD for swinging gate
Specify:

Swing Chart: Specify circled swing number when ordering.



1050RD for sliding gate

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** 3/16" steel plate
- **CASE:** 1/8" steel plate
- **LOCKING LUG:** Cold-rolled, steel
- **DEADBOLT:** Stainless steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six

- **tumblers per lock**
- **LOCK SIZE:** 11" H x 7" W x 3-13/16" D
- **LOCK WEIGHT:** 38 lbs.
- **DEADBOLT SIZE:** 5/8" diameter
- **DEADBOLT THROW:** 1"
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., 12 amp inrush current, 0.6 amp seated current



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

1051E SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH

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

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 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.



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

STANDARD FEATURES:

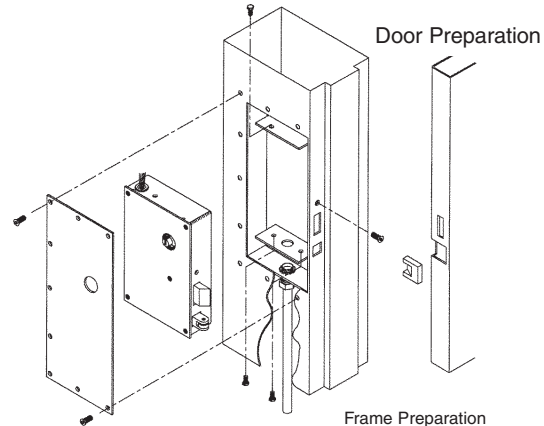
- Deadlock indication switch
- Mechanical latchback
- Six-tumbler lock
- Plug connector
- Continuous duty solenoid
- Fail secure
- Mounting fasteners
- Mechanical key holdback
- Adjustable deadlock actuator

OPTIONAL FEATURES:

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

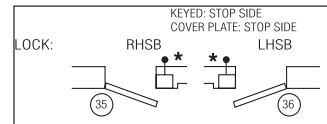
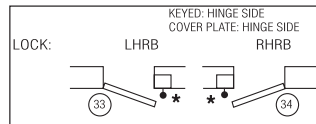
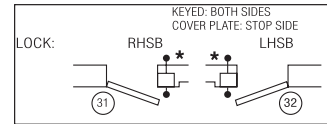
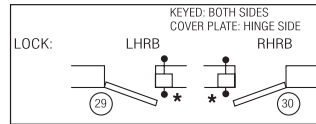
EMERGENCY EXIT DOOR HOLDBACK - Dead bolt retracted by solenoid or by key, extended by key only (no snap latch feature). When dead bolt is extended, lock is deadlocked. Specify "EED." UL listing not available with this function.

1051E SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH



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
- **LATCHBOLT:** Cold-rolled, steel
- **DEADLOCK ACTUATOR:** Stainless steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., 12 amp inrush current, 0.6 amp seated current
- **LOCK SIZE:** 13-3/8" H x 9" W x 3-1/8" D
- **LOCK WEIGHT:** 50 lbs.
- **LATCHBOLT SIZE:** 2" x 3/4"
- **LATCHBOLT THROW:** 1"
- UL Listed for use on three-hour fire doors.
- UL Listed as burglary resistant under UL 1034.



JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

1051M MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH

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

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.



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

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

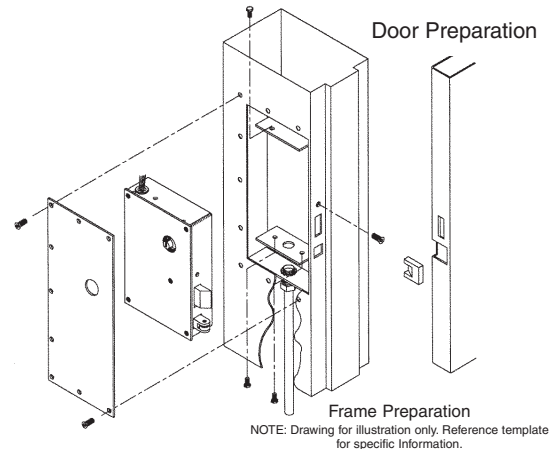
OPTIONAL FEATURES:

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 not available with this function. Specify "D."

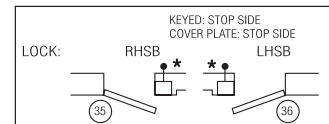
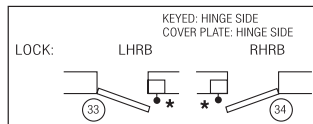
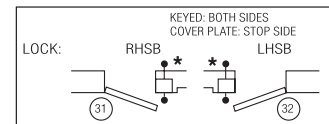
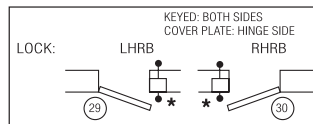
NO LATCHBACK - Allows latchbolt to extend without opening door. Normally used with "D" function. Specify "NL."

24 VDC MOTOR - Specify "24 VDC."

1051M 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
- **LATCHBOLT:** Cold-rolled, steel
- **DEADLOCK ACTUATOR:** Stainless steel
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., .3 amp running.
- **LOCK SIZE:** 13-3/8" H x 9" W x 3-1/8" D
- **LOCK WEIGHT:** 50 lbs.
- **LATCHBOLT SIZE:** 2" x 3/4"
- **LATCHBOLT THROW:** 1"
- UL Listed for use on three-hour fire doors.
- UL Listed as burglary resistant under UL 1034.



JAMB MOUNTED FOR SLIDING DOORS

Maximum security.

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

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.

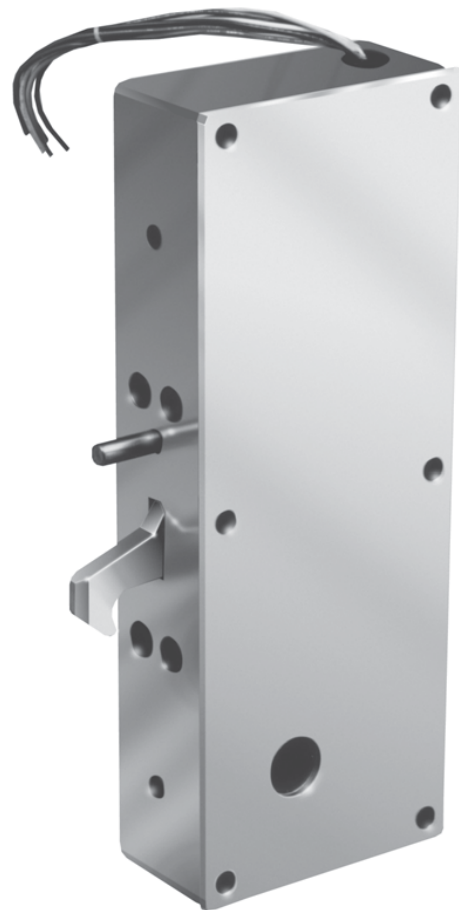
FUNCTION:

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.



1058M MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH



ELECTRIC LOCKS

JAMB MOUNTED FOR SLIDING DOORS

Maximum security.

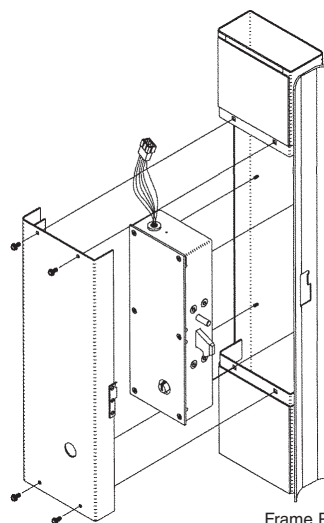
**1058M MOTOR OPERATED
ELECTRO-MECHANICAL
DEADLATCH**

STANDARD FEATURES:

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

OPTIONAL FEATURES:

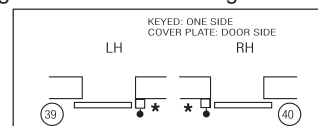
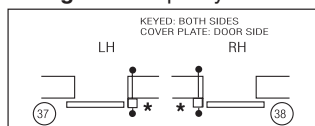
HALF CYCLE HOLDBACK - Remote two position maintained contact switch is required for this function. Hookbolt is raised electrically when switch is in open position and lowered when switch is in locked position. Specify "D"



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
- **STRIKE:** (Hollow metal door only) Stainless steel
- **HOOKBOLT:** Cold-rolled, case-hardened steel
- **DEADLOCK ACTUATOR PIN:** Cold-rolled, case-hardened steel
- **TUMBLERS:** Spring tempered brass. Tumblers actuated by phosphor bronze springs, six tumblers per lock.
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., .3 amp running
- **LOCK SIZE:** 17-13/16" H x 6-11/16" W x 3-1/2" D
- **PARACENTRIC CYLINDER:** Silicon bronze/copper alloy
- **LOCK WEIGHT:** 58 lbs.
- **HOOKBOLT SIZE:** 2" x 1/2"
- **LATCHBOLT ENGAGEMENT:** 2-1/8"



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JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

**10120AE
SOLENOID OPERATED
ELECTRO-MECHANICAL
DEADLATCH**

10120AE-1: KEYED ONE SIDE
10120AE-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 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.

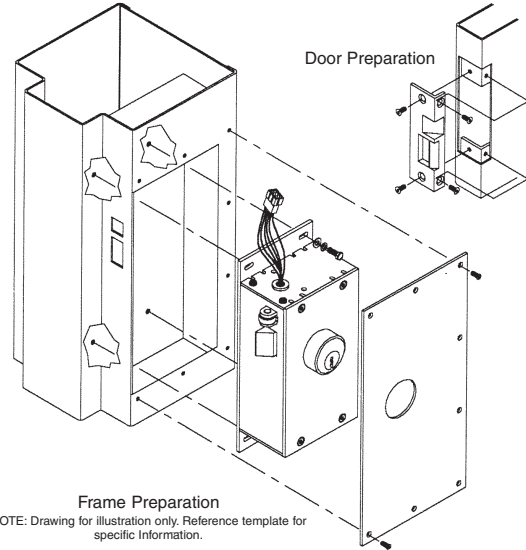


ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

10120AE SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH



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. Specify "MKH." UL Listing not available with this function.

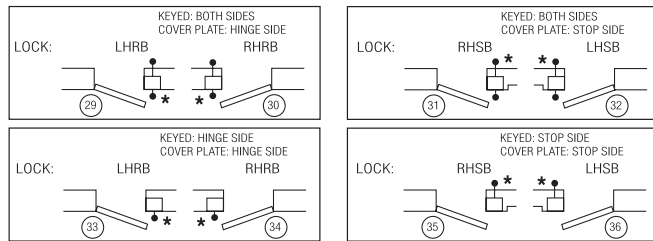
LOCAL ELECTRIC KEYSWITCH - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

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

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.

Swing Chart: Specify circled swing number when ordering.



*Indicates both mounting/access plate side.

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** 10 gauge steel plate
- **CASE:** 10 gauge steel plate
- **STRIKE:** Stainless steel
- **LATCHBOLT:** Stainless steel
- **DEADLOCK ACTUATOR:** Stainless steel
- **MOGUL CYLINDER:** US26D
- **MOGUL KEYS:** Nickel Silver
- **PIN TUMBLERS:** Combination nickel silver and stainless steel, 6 tumblers per lock
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., 12.0 amp inrush, 0.6 amp seated
- **LOCK SIZE:** 12" H x 5-7/16" W x 3-1/2"D
- **LOCK WEIGHT:** 19 lbs.
- **LATCHBOLT SIZE:** 1-1/2" x 3/4"
- **LATCHBOLT THROW:** 1"
- **UL Listed** for use on three-hour fire doors.
- **UL Listed** as burglary resistant under UL 1034.



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

**10120AM
MOTOR OPERATED
ELECTRO-MECHANICAL
DEADLATCH**

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.



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

STANDARD FEATURES:

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

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". 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."

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. Specify "MKH." UL Listing not available with this function.

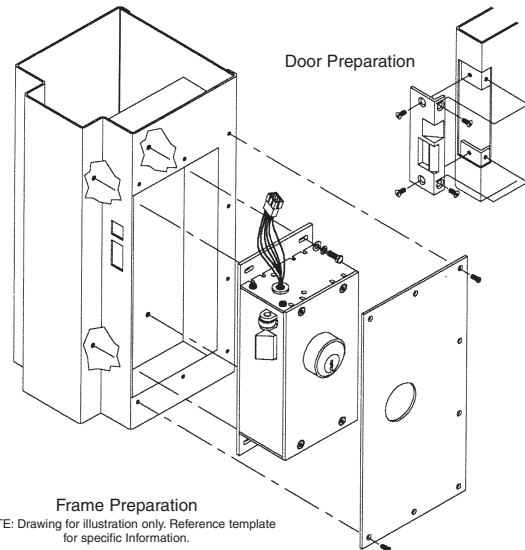
LOCAL ELECTRIC KEYSWITCH - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

NOTE: Master keying available.

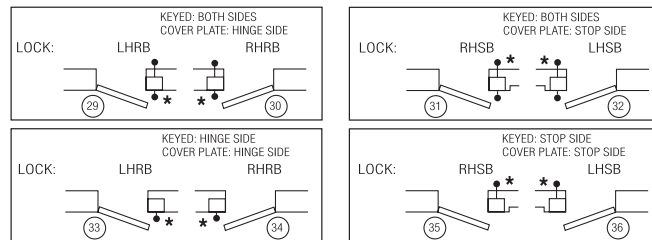
KEY CYLINDER EXTENDER - An option in place of providing a recess in the frame when keying on the stop side is required. Available in 3" or 5". 3" extender can be used on openings up to 6" jamb. 5" extender can be used on openings up to 8" jamb. Specify "KCE," then extender size.

24 VDC MOTOR - Specify "24 VDC."

10120AM MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH



Swing Chart: Specify circled swing number when ordering.



* Indicates both mounting/access plate side.

TECHNICAL DATA:

- **STANDARD FINISH:** Galvanized
- **COVER:** 10 gauge steel plate
- **CASE:** 10 gauge steel plate
- **STRIKE:** Stainless steel
- **LATCHBOLT:** Stainless steel
- **DEADLOCK ACTUATOR:** Stainless steel
- **MOGUL CYLINDER:** US26D
- **MOGUL KEYS:** Nickel Silver
- **PIN TUMBLERS:** Combination nickel silver and stainless steel, 6 tumblers per lock
- **ELECTRICAL:** 115 VAC, 1 phase, 60 Hz., 2.4 amp inrush, 1.8 amp running, 24 VDC (Optional) 3.3 amp maximum
- **LOCK SIZE:** 12" H x 5-7/16" W x 3-1/2" D
- **LOCK WEIGHT:** 19 lbs.
- **LATCHBOLT SIZE:** 1-1/2" x 3/4"
- **LATCHBOLT THROW:** 1"
- **UL Listed** for use on three-hour fire doors.
- **UL Listed** as burglary resistant under UL 1034.



JAMB MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10300E-1: KEYED ONE SIDE
10300E-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 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.

10300E SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Minimum and medium security.

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

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

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."

BUILDER'S HARDWARE CYLINDERS - Specify:

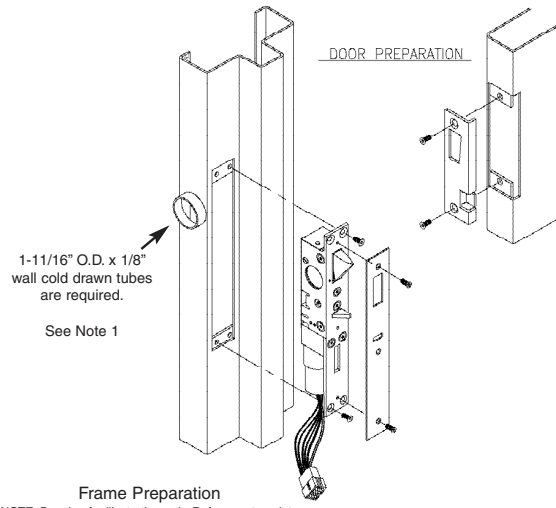
- "10300E-1" keyed one side.
- "10300E-2" keyed both sides.

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

Rim cylinder required on stop side. Mortise cylinder required on hinge side.

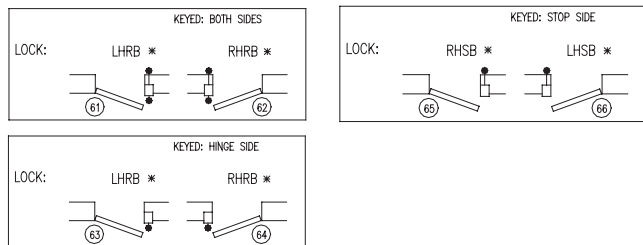
PROVIDE: (See Fig.1)

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



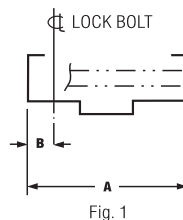
Frame Preparation
NOTE: Drawing for illustration only. Reference template for specific information.

Swing Chart: Specify circled swing number when ordering.



TECHNICAL DATA

- STANDARD FINISH: US32D
- LOCK BODY: Stainless steel
- FACE PLATE: Stainless steel
- LATCHBOLT: Stainless steel
- DEADLOCK ACTUATOR: Stainless steel
- ELECTRICAL: 24 VDC, 7.0 amp inrush, 0.6 amp seated
- LOCK SIZE: 10-5/8" H x 1-1/2" W x 1-3/4" D
- LOCK WEIGHT: 3.6 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
- UL Listed for use on three-hour fire doors



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10300M MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH

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.



ELECTRIC LOCKS

JAMB MOUNTED FOR SWINGING DOORS

Minimum and medium security.

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.

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 latch bolt 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. Specify "LEK."

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."

Rim cylinder required on stop side. Mortise cylinder required on hinge side.

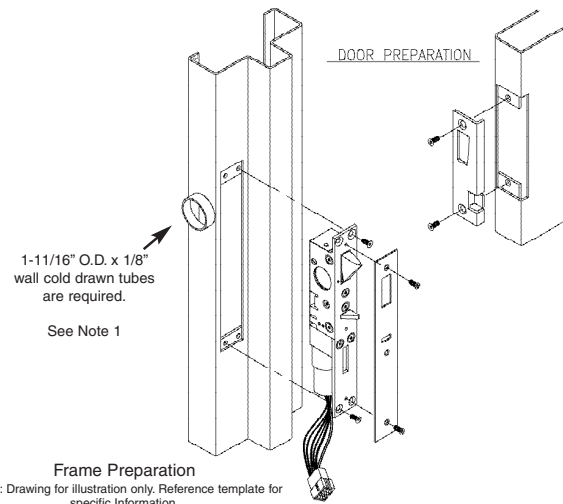
PROVIDE: (See Fig. 1)

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

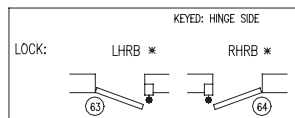
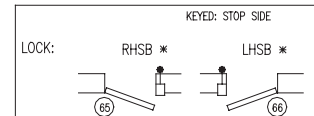
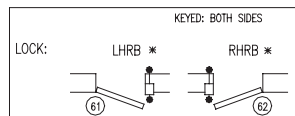
B16

Revised 3/06

10300M MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH

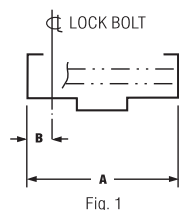


Swing Chart: Specify circled swing number when ordering.



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 amp maximum
- **LOCK SIZE:** 10-5/8" H x 1-1/2" W x 1-3/4" D
- **LOCK WEIGHT:** 3.6 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
- **UL Listed for use** on three-hour fire doors



ELECTRIC LOCKS

DOOR MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10600 INSTITUTIONAL MORTISE LOCK

APPLICATION:

Designed for minimum and medium security areas where remote electric or local manual control of lever or knobs 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.

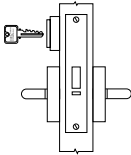
THIS LOCK IS NOT INTENDED FOR CELL APPLICATION.



FUNCTIONS

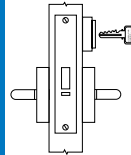
10600 INSTITUTIONAL MORTISE LOCK

10601 Lockset



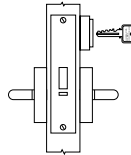
- Latchbolt operated by lever either side, except when both are locked out.
- Key outside operates latchbolt when both levers are locked out.
- Deadlock actuator.
- 10601E: Both levers are locked, except when power is applied.
- 10601EP: Both levers are unlocked, except when power is applied.

10604 Lockset



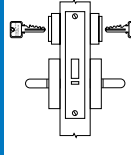
- Latchbolt operated by lever either side, except when inside lever is locked out.
- Key inside operates latchbolt when inside lever is locked out.
- Lever outside always active.
- Deadlock actuator.
- 10604E: Inside lever is locked, except when power is applied.
- 10604EP: Inside lever is unlocked, except when power is applied.

10602 Lockset



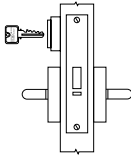
- Latchbolt operated by lever either side, except when both are locked out.
- Key inside operates latchbolt when both levers are locked out.
- Deadlock actuator.
- 10602E: Both levers are locked, except when power is applied.
- 10602EP: Both levers are unlocked, except when power is applied.

10605 Lockset



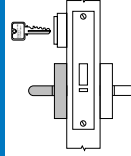
- Latchbolt operated by lever both sides, except when locked out.
- Key both sides operates latchbolt when both levers are locked out.
- Deadlock actuator.
- 10605E: Both levers are locked, except when power is applied.
- 10605EP: Both levers are unlocked, except when power is applied.

10603 Lockset



- Latchbolt operated by lever both sides, except when outside lever is locked out.
- Key outside operates latchbolt when outside lever is locked out.
- Lever inside always active.
- Deadlock actuator.
- 10603E: Outside lever is locked, except when power is applied.
- 10603EP: Outside lever is unlocked, except when power is applied.

10606 Lockset

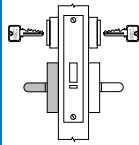


- Latchbolt operated by lever inside, except when locked out.
- Key outside operates latchbolt.
- Lever outside always rigid.
- Dead lock actuator.
- 10606E: Inside lever is locked, except when power is applied.
- 10606EP: Inside lever is unlocked, except when power is applied.

FUNCTIONS

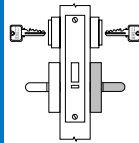
10600 INSTITUTIONAL
MORTISE LOCK

10607

**10607 Lockset**

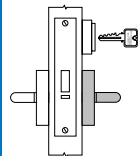
- Latchbolt operated by inside lever, except when locked out.
- Key both sides operates latchbolt.
- Lever outside always rigid.
- Deadlock actuator.
- 10607E: Inside lever is locked, except when power is applied.
- 10607EP: Inside lever is unlocked, except when power is applied.

10608

**10608 Lockset**

- Latchbolt operated by lever outside, except when locked out.
- Key both sides operates latchbolt.
- Lever inside always rigid.
- Deadlock actuator.
- 10608E: Outside lever is locked, except when power is applied.
- 10608EP: Outside lever is unlocked, except when power is applied.

10609

**10609 Lockset**

- Latchbolt operated by lever outside, except when locked out.
- Key inside operates latchbolt.
- Lever inside always rigid.
- Deadlock actuator.
- 10609E: Outside lever is locked, except when power is applied.
- 10609EP: Outside lever is unlocked, except when power is applied.

ELECTRIC LOCKS

DOOR MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10600 INSTITUTIONAL MORTISE LOCK

STANDARD FEATURES:

- Deadlock indication switch
- Lever handles
- Mogul cylinders
- Strike (500B) with 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"
- 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"

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.)

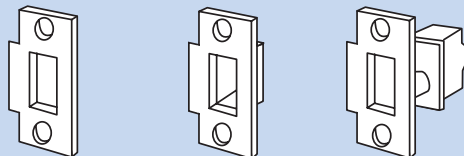
BOLT STRIKE OPTIONS

(Must be specified separately):

- 500B - Bolt strike
- 500C - Bolt strike with dust box
- 500CL - Bolt strike with switch

NOTE: All bolt strikes are supplied with security fasteners.

BOLT STRIKES



500B

500C

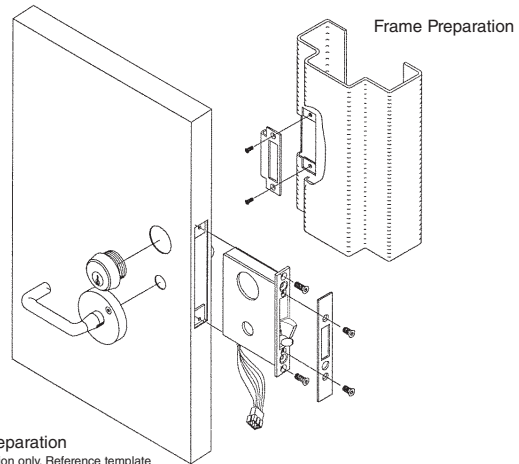
500CL

HOW TO ORDER:

Specify:

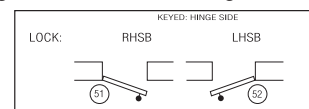
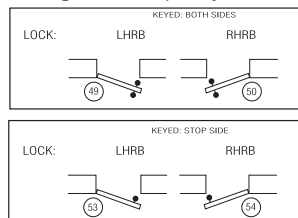
- | | |
|---------------------------------|-------------------------------|
| 1. Quantity | 5. Strike type |
| 2. Swing chart number (handing) | 6. Knob/lever requirements |
| 3. Function | 7. Key code instructions |
| 4. Cylinder type | 8. Specify 1-3/4" or 2" door. |

Revised 3/06



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

Swing Chart: 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
- 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: 3/4"
- ELECTRIC: 24V DC, 0.3 AMP
- FITS ANSI DOOR PREP. A115.1
- Listed for use on three-hour fire doors



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FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

3150LX ELECTRIC LOCKING SYSTEM

The 3150LX 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 clear door opening widths are from 2'4" to 3'2".

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.



3150LX ELECTRIC LOCKING SYSTEMS

TECHNICAL DATA:

- **COVER BOX:**
1' 0 - 3/4" H x 7-1/2" D
- **COVER BOX MATERIAL:**
7 gauge steel plate
- **REMOVABLE 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
- **ELECTRICAL:**
Motor: 1/20 HP, 115 VAC, 60 Hz., single phase power, 1.2 amps.
- **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

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

STANDARD FEATURES:

- Bottom door guide
- Door hanger
- Mechanical release cabinet
- Screwed on removable cover panel
- Sloped-front cover box
- Vertical lock bar assembly

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 “3150LXP-1” keyed one side.

ELECTRIC KEYSWITCH – Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify “3150LXPK-1” for paracentric keyed one side. Specify “3150LXPKM-1” for mogul keyed one side.

HINGED COVER PANELS - Cover panels are provided hinged to the cover box assembly for maintenance access. Specify “3150LXHC.”

REMOTE PANEL LOCK SYSTEM
Specify “3150LXRP”
Remote Panel option is not available with hinged cover panels.

FACTORY WIRED CONTROL CABLE
Specify “3150LXWC.”

DOOR SCHEDULE				
DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
MAXIMUM	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"
8'-10"	3'-0"	3'-0"	7'-4"	3'-2 1/2"
	3'-2"	3'-2"	7'-8"	3'-4 1/2"

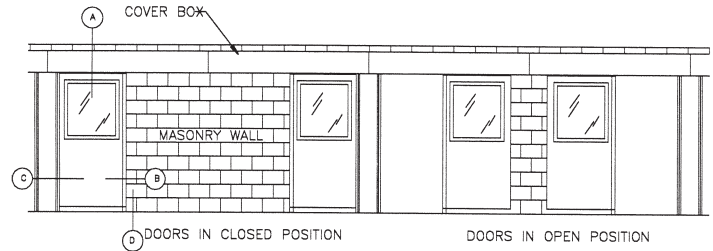
NOTE: Cover box minimum length = (7" pilaster) + (2 x clear opening) + 9".

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

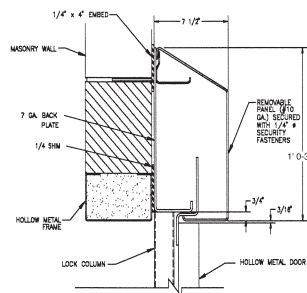
For doors exceeding 300lbs. and/or greater than 3'-2" clear opening, contact factory.

Other system configurations are available. Please contact Customer Service for assistance in specifying.

3150LX ELECTRIC LOCKING SYSTEM

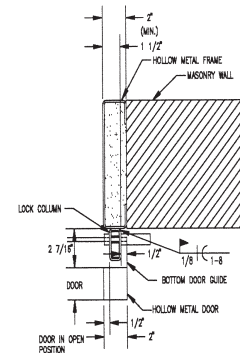


DETAIL A – SLOPED BOX

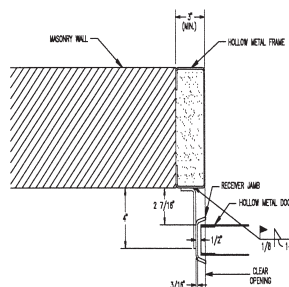


COVER BOX SECTION
7-1/2" deep x 1' - 1-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B – VERTICAL LOCK JAMB BAR

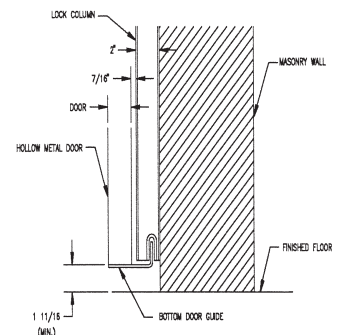


DETAIL C – RECEIVER



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

DETAIL D – BOTTOM DOOR GUIDE SECTION



3150LX Shown

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



FOR INDIVIDUAL SLIDING DOORS

Maximum security.

3165LX ELECTRIC LOCKING SYSTEM

The 3165LX 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 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.

3165LX ELECTRIC LOCKING SYSTEM



TECHNICAL DATA:

- **COVER BOX:**
1' 0-3/4" H x 7-1/2" D
- **COVER BOX MATERIAL:**
7 gauge steel plate
- **REMOVABLE PANEL:**
10 gauge steel
- **DOOR ROLLERS:**
3" diameter, with sealed bearings
- **VERTICAL LOCK BAR DIMENSIONS:**
5/8" SQ by full height of door
- **FINISH:** Prime paint
- **DOOR HANGER:**
7 gauge steel plate
- **ELECTRICAL:**
Motor: 1/8 HP, 115 VAC, 60 Hz., single phase power, 1.5 amps.
- **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

FOR INDIVIDUAL SLIDING DOORS

Maximum security.

3165LX ELECTRIC LOCKING SYSTEM

3165LXP-2 SLIDING DOOR SYSTEM

STANDARD FEATURES:

- Bottom door guide
- Door hanger
- Local mechanical release at cover box
- Screwed on removable cover panel
- Sloped-front cover box
- Vertical lock bar assembly

OPTIONAL FEATURES:

PILASTER RELEASE - Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb.
Specify "3165LXP-1" keyed one side.
Specify "3165LXP-2" keyed two sides.

ELECTRIC KEYSWITCH - Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster.
Specify "3165LXP-1" for paracentric keyed one side.
Specify "3165LXP-2" for paracentric keyed two sides.
Specify "3165LXP-1" for mogul keyed one side.
Specify "3165LXP-2" for mogul keyed two sides.

HINGED COVER PANEL - Cover panel is hinged to cover box assembly for maintenance access.
Specify "3165LXHC".

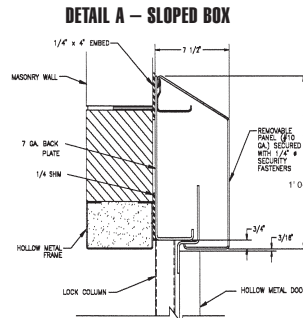
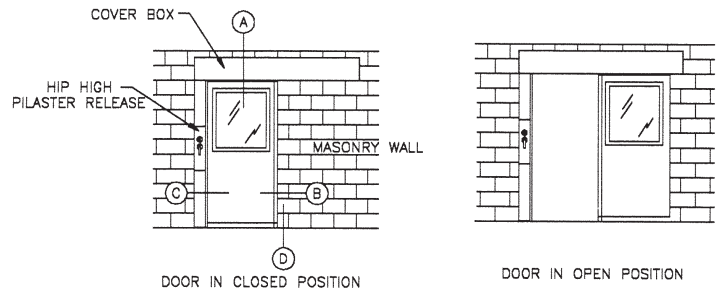
DOOR SCHEDULE				
DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
8'-0" MAXIMUM	3'-0"	3'-7"	7'-4"	3'-2 1/2"
	3'-2"	3'-9"	7'-8"	3'-4 1/2"
	3'-4"	3'-11"	8'-0"	3'-6 1/2"
	3'-6"	4'-1"	8'-4"	3'-8 1/2"
	3'-8"	4'-3"	8'-8"	3'-10 1/2"
	4'-0"	4'-7"	9'-4"	4'-2 1/2"
	4'-4"	4'-11"	10'-0"	4'-6 1/2"
4'-6"	5'-1"	10'-4"	4'-8 1/2"	

NOTE: Cover box minimum length = (7" pilaster) + (2 x clear opening) + 9".

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

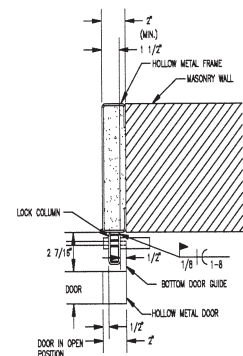
For doors exceeding 450lbs. and/or greater than 4'-6" clear opening, contact factory.

Other system configurations are available. Please contact Customer Service for assistance in specifying.

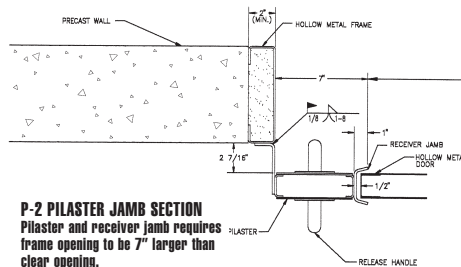


COVER BOX SECTION
7-1/2" Deep x 1'-1-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B - VERTICAL LOCK JAMB BAR

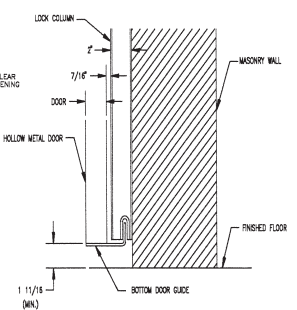


DETAIL C - PILASTER P2



P-2 PILASTER JAMB SECTION
Pilaster and receiver jamb requires frame opening to be 7" larger than clear opening.

DETAIL D - BOTTOM DOOR GUIDE SECTION



3165LXP-2 Shown

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



FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

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.



4110L ELECTRIC LOCKING SYSTEM



TECHNICAL DATA:

- **COVER BOX:**
1' 0-3/4" H x 7-1/8" D
- **COVER BOX MATERIAL:**
7 gauge steel plate
- **REMOVABLE 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
- **ELECTRICAL:**
Motor: 1/60 HP, 115 VAC, 60 Hz., single phase power, .52 amps.
- **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

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

STANDARD FEATURES:

- Bottom door guide
- Door hanger
- Mechanical release cabinet
- Screwed on removable cover panel
- Sloped-front cover box
- Vertical lock bar assembly

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.”

HINGED COVER PANELS - Cover panels are provided hinged to the cover box assembly for maintenance access. Specify “4110LHC.”

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

MOTOR – Specify “24 VDC.”

REMOTE PANEL LOCK SYSTEM
Specify “4110LRP.”

Remote Panel is not available with hinged cover panel

FACTORY WIRED CONTROL CABLE
Specify “4110LWC.”

DOOR SCHEDULE

DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
MINIMUM	2'-4"	2'-4"	6'-0"	2'-6 1/2"
MAXIMUM	2'-6"	2'-6"	6'-4"	2'-8 1/2"
8'-0"	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"

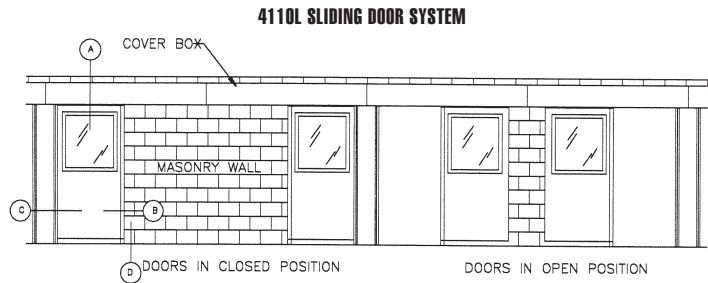
NOTE: Cover box minimum length = (7" pilaster) + (2 x clear opening) + 9".

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

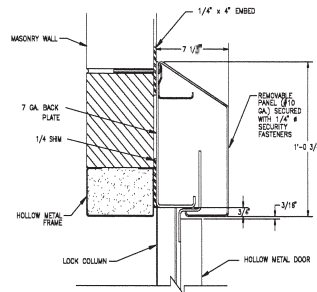
For doors exceeding 300lbs. and/or greater than 3'-2" clear opening, contact factory.

Other system configurations are available. Please contact Customer Service for assistance in specifying.

4110L ELECTRIC LOCKING SYSTEM

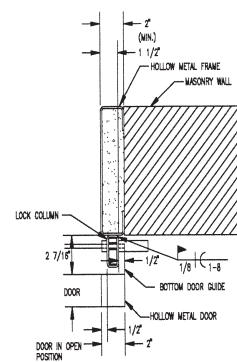


DETAIL A – SLOPED BOX

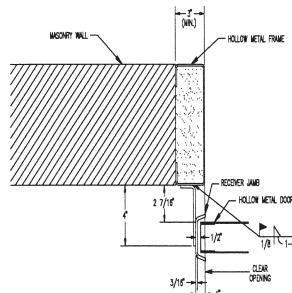


COVER BOX SECTION
7-1/8" deep x 1' - 0-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B – VERTICAL LOCK JAMB BAR

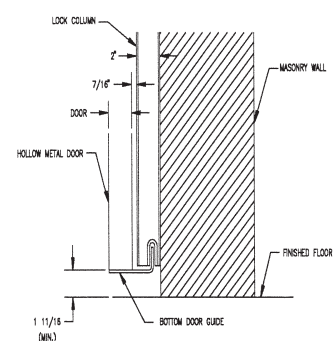


DETAIL C – RECEIVER



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 details are available.
Call Customer Service for more information.



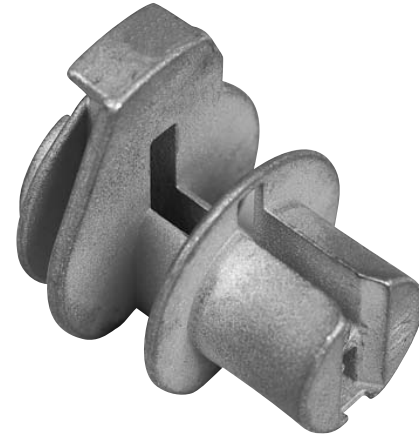
A C C E S S O R I E S

PARACENTRIC
CYLINDER
AND KEY**APPLICATION:**

Southern Steel manufactures a complete line of high-quality, detention-type locks using paracentric 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
Silicon bronze/copper alloy
- KEYS: Nickel silver
- 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:
75,000 p.s.i.
- YIELD STRENGTH:
61,000 p.s.i.
- ROCKWELL HARDNESS:
Rb 82-88

**PARACENTRIC CYLINDER****PARACENTRIC KEY**

A C C E S S O R I E S

MOGUL CYLINDER
AND 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:
84-86.5 HRB
- PIN TUMBLERS:
Combination nickel silver
and stainless steel,
6 tumblers per lock

HIGH SECURITY SIX-PIN
MOGUL CYLINDER

MOGUL KEY



HINGES

203FS: FULL SURFACE

203FP: FOOD PASS

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: Drilled and countersunk for screws standard

203FS FULL SURFACE HINGE**203FP FOOD PASS HINGE**

INSTITUTIONAL HINGES

204FMSS INSTITUTIONAL HINGES

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

204FMSS FULL MORTISE HINGE



INSTITUTIONAL HINGES

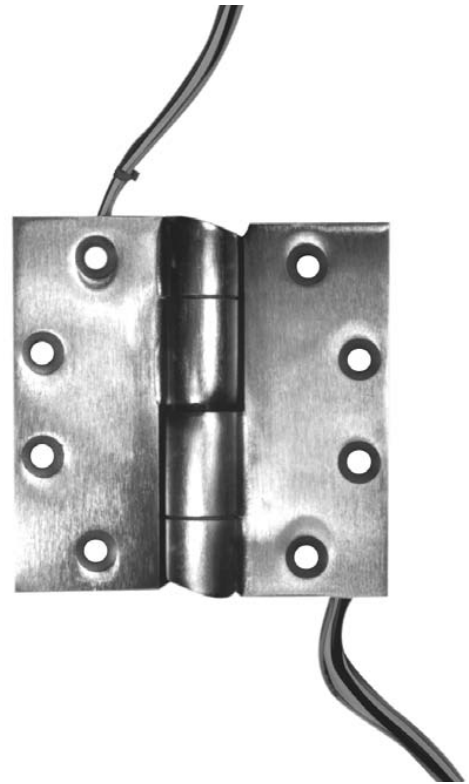
204E ELECTRIC POWER TRANSFER HINGE

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 tamperproof Teflon™-coated conductors. Available in full mortise configuration only to be used with 204FM institutional hinges. This is not a load-bearing hinge.

TECHNICAL DATA:

- STANDARD FINISH: US26D
- 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



HINGES

205 HEAVY DUTY HINGE

205FS: FULL SURFACE
 205HS: HALF SURFACE
 205GP: GAP

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.

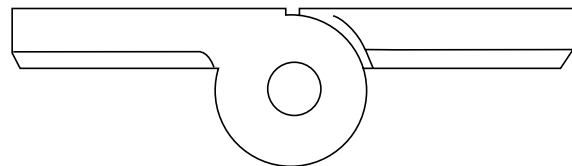
These hinges are drop forged of mild steel and feature heavy-duty thrust bearings, completely concealed and protected from tampering. Extremely strong and durable, one pair will support a standard plate door measuring 2'4" x 7'0" and weighing 250 pounds. Larger or heavier doors require a third hinge.

TECHNICAL DATA:

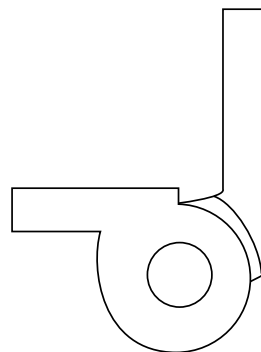
- SIZE: 5" H x 5-3/4" W x 1/2" TK (205FS)
- WEIGHT: 7.25 lbs.
- PIN SIZE: 3/4" diameter
- HINGE LEAVES: Steel, with 1 oiling hole
- HINGE PIN AND THRUST BEARINGS: Cold-rolled, case-hardened steel

OPTIONS:

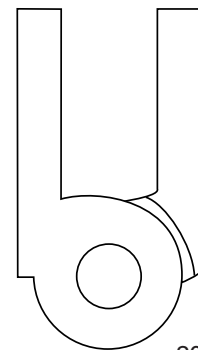
Hinges can be special-ordered with holes drilled to specifications if required. Contact Southern Steel for more details.



205FS



205HS



205GP

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

A C C E S S O R I E S

DOOR PULLS

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:

- FINISH:
US32D
- MATERIAL:
Cast brass
- SIZE:
8-11/16" L x 1-3/4" W x 2-3/8" Projection
- WEIGHT: 1.3 lbs.



DOOR PULLS

214S RECESSED DOOR 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.

TECHNICAL DATA:

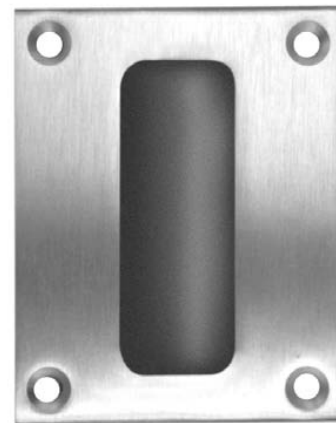
- FINISH: US32D
- MATERIAL: Cast brass
- SIZE: 5" H x 4" W x 1" D
- WEIGHT: 1.5 lbs.

215C KNOB PULL**APPLICATION:**

An attractive, brass knob pull for light traffic areas where a fixed knob is required. Provided with security fasteners.

TECHNICAL DATA:

- FINISH: US26D
- MATERIAL: Brass
- SIZE: 2-1/4" DIA Knob x 2-1/4" Projection x 3-1/4" DIA Base
- WEIGHT: .5 lb.

**214S RECESSED DOOR PULL****215C KNOB PULL**

ESCUTCHEON AND CYLINDER SHIELD

218 ESCUTCHEON

218-1 ESCUTCHEON: ONE WAY
218-2 ESCUTCHEON: TWO WAY

APPLICATION:

The 218 Escutcheon is used to provide a close fit between a paracentric cylinder and the keyhole. It also serves to protect 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. Provided with security fasteners.

TECHNICAL DATA:

- FINISH: US32D
- MATERIAL: Stainless steel,
- SIZE: 3" DIA x .105" TK
- WEIGHT: .2 lb.

219 CYLINDER SHIELD APPLICATION:

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: US26D
- MATERIAL: Brass
- SIZE: 2-1/4" H x 2-5/8" W x 3/4" TK
- WEIGHT: .5 lb.

OPTIONAL FEATURE:

- Specify hand when used
with 1051 lock: 219R - right hand
219L - left hand

219M MOGUL CYLINDER SHIELD

Same as above except shield mounts over the mogul cylinder. US26D finish. Specify hand: 219MR - right hand
219ML - left hand



ESCUTCHEON



218-1 shown

CYLINDER SHIELD



219M shown

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

DOOR POSITION SWITCHES FOR SWINGING DOORS

200MRS 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

220A DOOR POSITION SWITCH APPLICATION:

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 lbs.
- ELECTRICAL: Switch rating SPDT 15 amps at 125 VAC or .5 amps at 125 VDC



200MRS MAGNETIC SWITCH



200MRS shown

220A DOOR POSITION SWITCH



Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

DOOR POSITION SWITCHES FOR SWINGING DOORS

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:

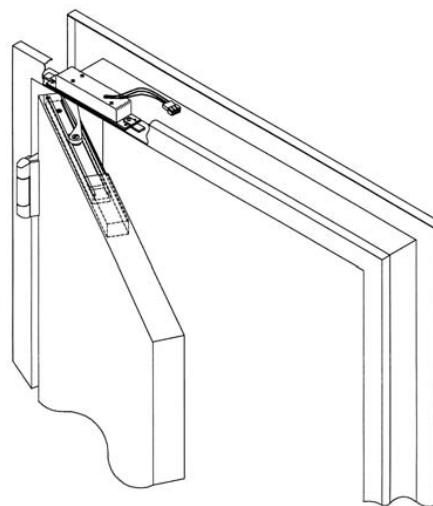
- Handed, Specify LH or RH
- 180° maximum swing
- 12" long, 16 AWG UL wire leads with plug connector
- An eccentric stud on the control arm provides a fine adjustment for varying conditions

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: 5/16" thick steel, zinc plated
- TRACK (IN DOOR): 3/4" H x 1-1/4" W x 12" L, extruded aluminum alloy
- WEIGHT: 2 lbs.
- FACE PLATE: 14 GA stainless steel (US32D finish)
- ELECTRICAL: Switch is S.P.D.T. type with a rating of 5 amps at 30 VDC to 250 VAC



Left Hand Shown



FOOD PASS ASSEMBLY

262 FOOD PASS

APPLICATION:

For use in hollow metal or plate doors and walls. Opening area measures 5" H x 1' 3-1/4" W. Built-in stop positions the food pass door as a shelf when open. Key operated springlock provides positive security and prevents unauthorized use.

STANDARD FEATURES:

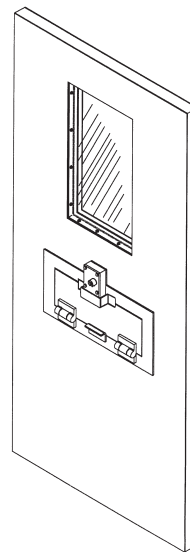
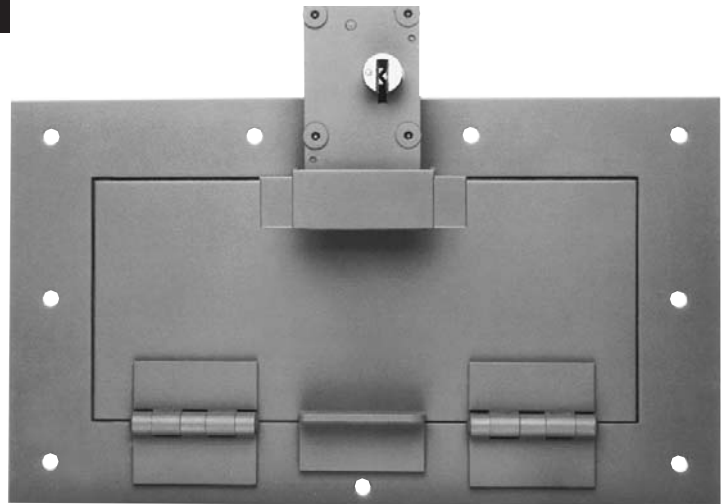
- 1017A snaplatch
- Two hinges

OPTIONAL FEATURES:

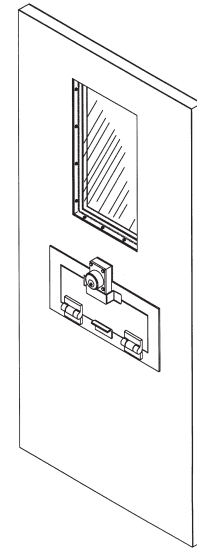
- 1010A deadlock
(Specify 262 x 1010A)
- 1010AM deadlock
(Specify 262 x 1010AM)
- 1017AM snaplatch
(Specify 262 x 1017AM)
- 1017AT snaplatch with thumbturn
only (Specify 262 x 1017AT)

TECHNICAL DATA:

- STANDARD FINISH: USP
- FRAME: 7 gauge mild steel
- LOCK: 1017A snaplatch
- HINGES: 3" H x 3" W x 5/32" TK mild steel with cold-rolled steel, non-removable pin
- FRAME SIZE:
1' 8-1/4" L x 10" W
- CLEAR OPENING:
5" H x 1' 3-1/4" W



Paracentric



Mogul



**ACCESS DOORS
AND PANELS**

590 HINGED ACCESS DOOR

590 HINGED 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.



PUSHBUTTON SWITCHES

900 SERIES MOMENTARY PUSHBUTTON

906 MOMENTARY PUSHBUTTON

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 PUSHBUTTON

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.



Model 906



Model 907



KEYSWITCHES**KEYSWITCHES**

The 900 Series keyswitches are recommended for use in secure areas or control cabinets.

930 THREE POSITION MAINTAINED KEYSWITCH, PARACENTRIC

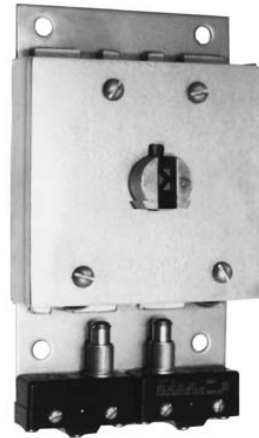
RATING: 15 amp

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.

900 SERIES KEYSWITCHES

Model 930 shown



Model 936 shown

**HEAD OR FOOT
BOLT**

**10105
HEAD OR FOOT BOLT**

10105 HEAD OR FOOT BOLT

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:

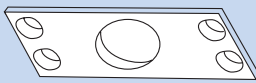
- STANDARD FINISH: Galvanized
- COVER: Cold-rolled steel plate
- CASE: Ductile iron
- LOCK BOLT: Cold-rolled steel
- SPANNER KEY: Cold-rolled steel
- SIZE: 5-3/8" H x 2-3/4" W x 1-7/8" TK
- WEIGHT: 5.5 lbs.
- BOLT SIZE: 1" Diameter
- BOLT THROW: 3/4"

10105R FLOOR RECEPTACLE

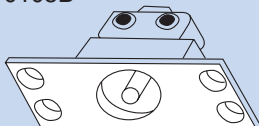
- SIZE: 3" H x 1-5/8" DIA x 1-5/8" sq. Base
- WEIGHT: 2.25 lbs.

OPTIONS:

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



10105B



10105CL



Note: Shown with cover plates used only with grating and plate doors

**10105R
FOOT BOLT
RECEPTACLE**

10105K KEY



LOCK MOUNTINGS

LOCK MOUNTINGS

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.



HM – Mounting for Hollow Metal Doors



P – Mounting for Plate Doors



G – Mounting for Grating Doors