

PRODUCT CATALOG



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ELECTRO-MECHANICAL/ PNEUMATIC LOCKS

REFERENCE GUIDE FOR ELECTRO-MECHANICAL/ PNEUMATIC LOCKS

Applicable Series	Door Type	Security Level	Application	Page
10120AE	Swinging	Medium/Maximum	Cell doors, corridors or entrances, emergency exit doors.	B9
10120AM	Swinging	Medium/Maximum	Cell doors, corridors or entrances.	B11
10120AP *	Swinging	Medium/Maximum	Cell doors, corridors, entrances or emergency exit doors.	C3
10300E	Swinging	Minimum/Medium	Cells doors, office or administrative areas, emergency exit doors.	B13
10300M	Swinging	Minimum/Medium	Cell doors, office or administrative areas.	B15
10300P *	Swinging	Minimum/Medium	Cell doors, office or administrative areas, emergency exit doors.	C5
1051E	Swinging	Maximum	Cell doors, corridors, vestibules, entrance door and emergency exit doors.	B3
1051M	Swinging	Maximum	Cell doors, corridors, vestibules, entrance door.	B5
1051P *	Swinging	Maximum	Cell doors, corridors, vestibules, entrance door and emergency exit doors.	C1
10600	Swinging	Minimum/Medium	Passage, entry, classroom, visitation, any administrative area.	B17
1050D	Swinging/ Sliding	Maximum	Fence gates for pedestrian entrances or sallyports.	B1
1058M	Sliding	Maximum	Cell doors, corridors or vestibules and sallyports.	B7

The above is for reference purposes only. For more details, please see corresponding page numbers.

* Indicates pneumatic locks.



REFERENCE GUIDE FOR MECHANICAL LOCKS

Applicable Series	Door Type	Security Level	Application	Page
1010A	Swinging	Maximum	Pipe chase doors, food pass, access doors, key cabinets, controls cabinets, gun cabinets.	D1
1010AM	Swinging	Medium/Maximum	Pipe chase doors, food pass, access doors, key cabinets, controls cabinets, gun cabinets.	D3
1017A	Swinging	Maximum	Food pass, observation shutters.	D5
1017AM	Swinging	Medium/Maximum	Food pass, observation shutters.	D7
1030A	Sliding	Maximum	Sliding doors at holding cells, low traffic corridor doors, cut-off doors.	D9
1030AD	Sliding	Maximum	Sliding doors at holding cells, low traffic corridor doors, cut-off doors.	D11
1070A	Swinging	Maximum	Passage doors & holding cells.	D13
1070AK.a	Swinging	Maximum	Passage doors & holding cells.	D13
1080A	Swinging	Maximum	Cell doors, corridor doors, storage room doors, mechanical & electrical room doors.	D15
10370A	Swinging	Maximum	Single or paired doors, mechanical and electrical room doors.	D17
10380A	Swinging	Maximum	Single or paired doors, mechanical and electrical room doors.	D19
10500	Swinging	Minimum/Medium	Passage, entry, classroom, closet, storage, visitation cell & administration area doors.	D21

The above is for reference purposes only. For more details, please see corresponding page numbers.



SLIDING DOOR DEVICES

REFERENCE GUIDE FOR SLIDING DOOR DEVICES

Applicable Series	Door Type	Security Level	Application	Page
1300 Track Set	Sliding	Maximum	Holding cells and low traffic corridor doors. Manual or remote controlled, pop open device.	D27
3150LX	Sliding	Maximum	Interior cell doors. Remote controlled, powered device.	B21
3165LX	Sliding	Maximum	Corridor and sallyport doors. Remote controlled, powered device.	B23
4110LX	Sliding	Maximum	Interior cell doors. Remote controlled, pop open device.	B25
8010L*	Sliding	Maximum	Interior cell doors. Remote controlled, pop open device.	C7
8050L*	Sliding	Maximum	Interior cell doors. Remote controlled, powered device.	C9
8065L*	Sliding	Maximum	Corridor and sallyport doors. Remote controlled, powered device.	C11
9100A	Sliding	Maximum	Vehicle gates. Remote controlled, powered device.	F10

The above is for reference purposes only. For more details, please see corresponding page numbers.

* Indicates pneumatic devices.



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.

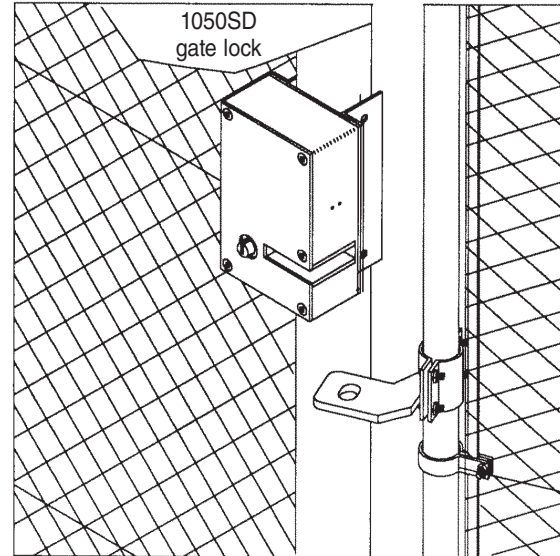


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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

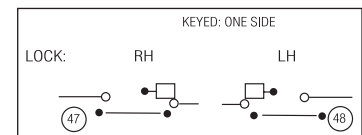
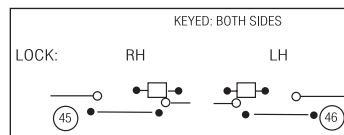
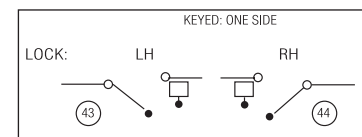
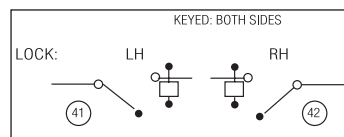
NOTE:

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



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.



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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

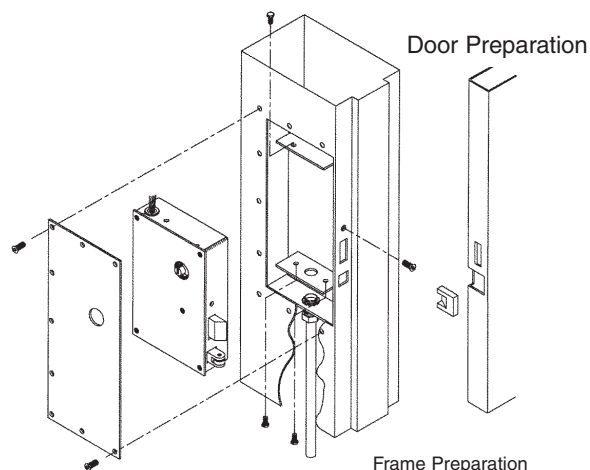
OPTIONAL FEATURES:

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

EMERGENCY EXIT DOOR HOLDBACK -

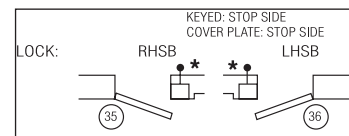
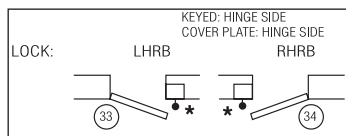
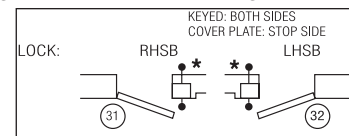
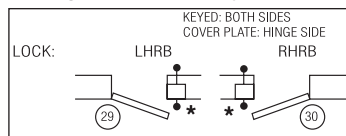
Dead bolt retracted by solenoid or by key, extended by key only (no snap latch feature). When dead bolt is extended, lock is deadlocked. Specify "EED." UL listing not available with this function.

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.

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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

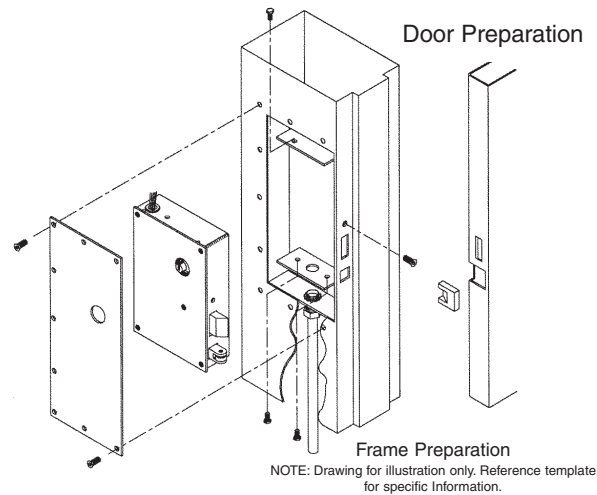
OPTIONAL FEATURES:

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".

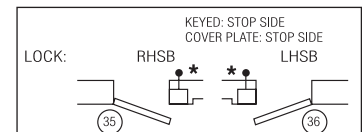
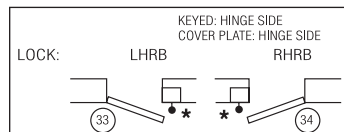
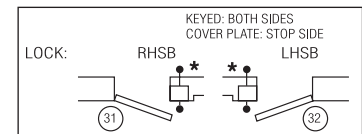
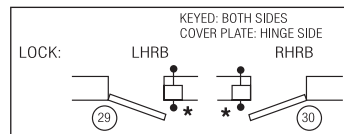
NO LATCHBACK - Allows latchbolt to extend without opening door. Normally used with "D" function. Specify "NL."

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.

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.

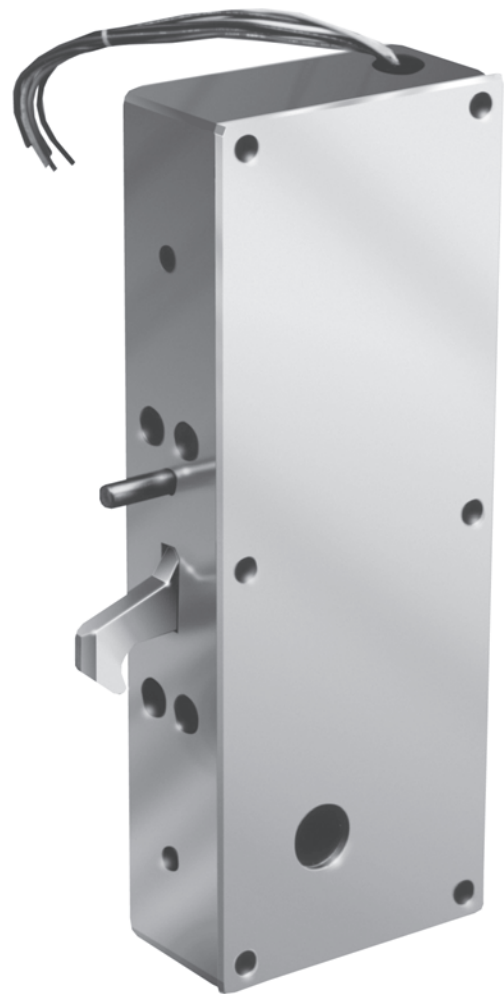
FUNCTION:

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



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JAMB MOUNTED FOR SLIDING DOORS

Maximum security.

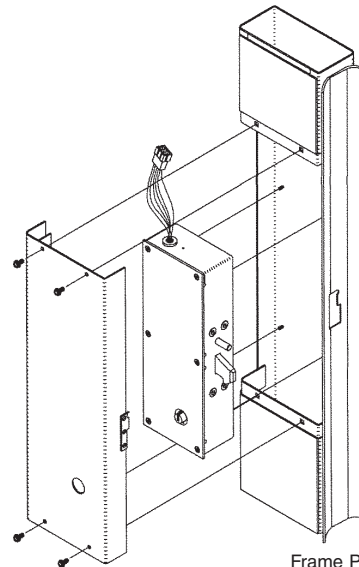
1058M MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH

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:

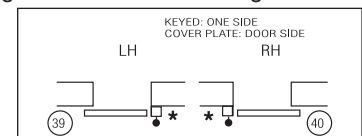
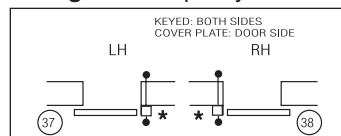
HALF CYCLE HOLDBACK - Remote two position maintained contact switch is required for this function. Hookbolt is raised electrically when switch is in open position and lowered when switch is in locked position. Specify "D."



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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SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

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.



10120AE SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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
- 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.

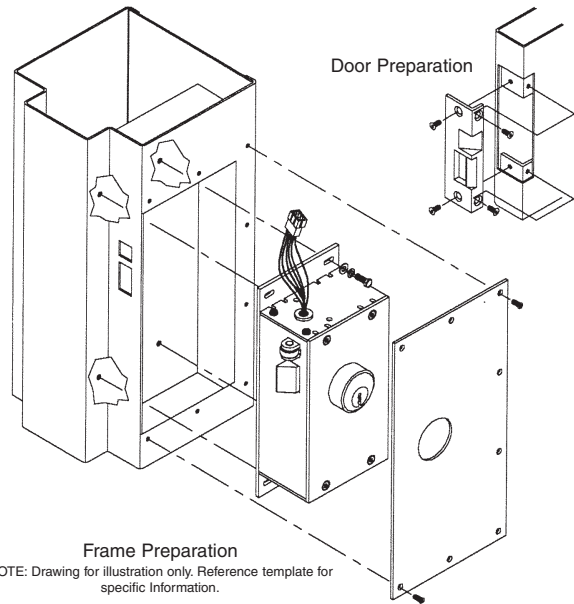
LOCAL ELECTRIC KEYSWITCH - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

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.

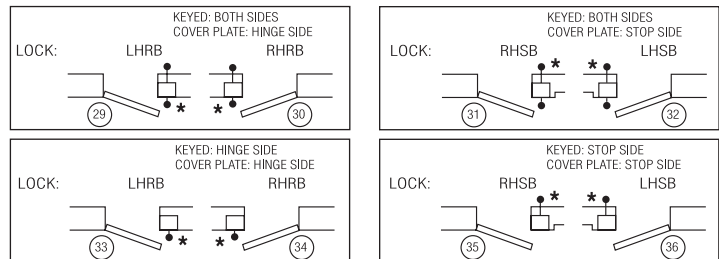
NOTE: Master keying available.

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.

10120AE SOLENOID 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., 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.

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

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.

10120AM MOTOR OPERATED ELECTRO-MECHANICAL DEADLATCH



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.

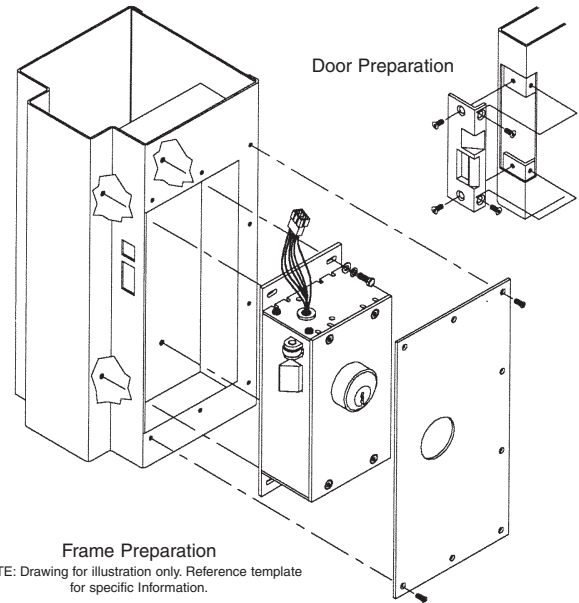
LOCAL ELECTRIC KEYSWITCH - Day key provides local electric operation and may be disabled from remote control point. Master key provides both electric and mechanical operation. Specify "LEK."

NOTE: Master keying available.

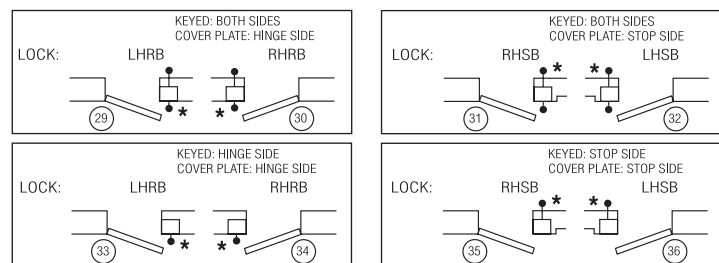
KEY CYLINDER EXTENDER - An option in place of providing a recess in the frame when keying on the stop side is required. Available in 3" or 5". 3" extender can be used on openings up to 6" jamb. 5" extender can be used on openings up to 8" jamb. Specify "KCE," then extender size.

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.

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

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

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 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.

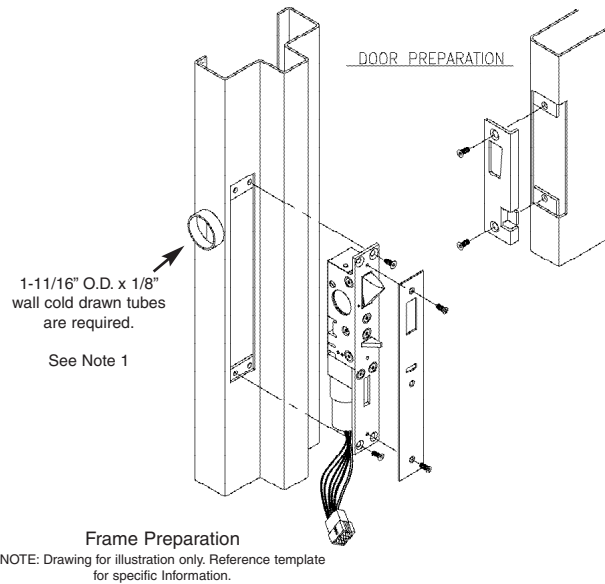
KEY CYLINDER EXTENDER - Required whenever lock is keyed on stop side. Overall frame depth 4" minimum. Specify "KCE."

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

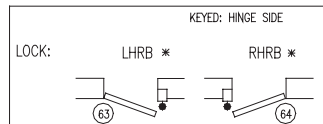
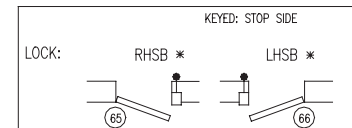
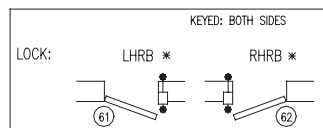
PROVIDE: (See Fig.1)

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

10300E SOLENOID OPERATED ELECTRO-MECHANICAL DEADLATCH

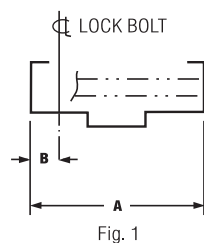


Swing Chart: Specify circled swing number when ordering.



TECHNICAL DATA

- STANDARD FINISH: US32D
- LOCK BODY: Stainless steel
- FACE PLATE: Stainless steel
- LATCHBOLT: Stainless steel
- DEADLOCK ACTUATOR: Stainless steel
- ELECTRICAL: 24 VDC, 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



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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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 -

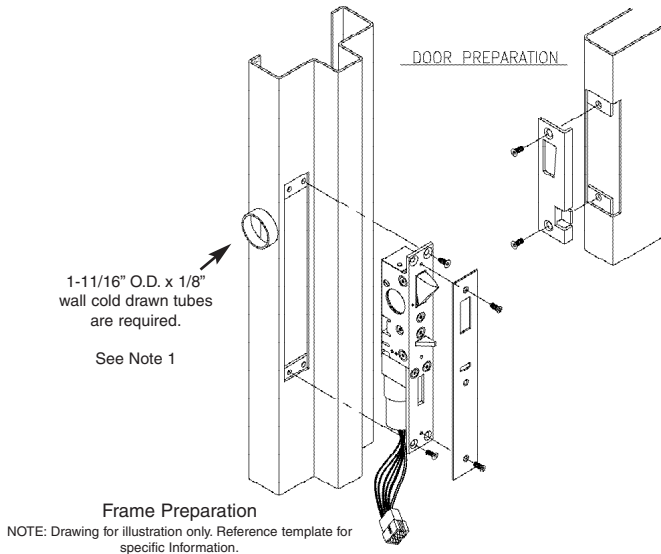
Required whenever lock is keyed on stop side. Overall frame depth 4" minimum. Specify "KCE."

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

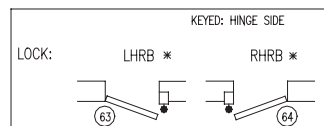
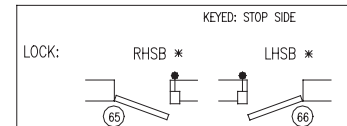
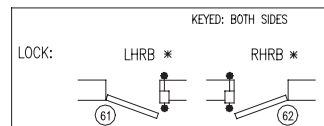
PROVIDE: (See Fig. 1)

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

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

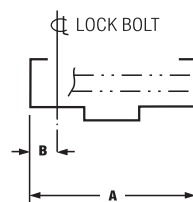


Fig. 1

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

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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.

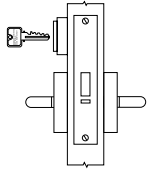


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FUNCTIONS

10600 INSTITUTIONAL MORTISE LOCK

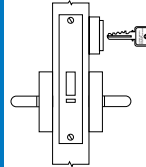
10601



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.

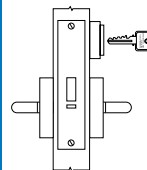
10604



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.

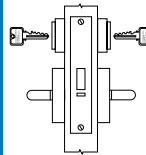
10602



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.

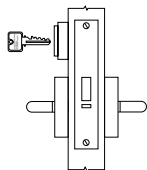
10605



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.

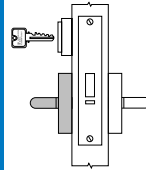
10603



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



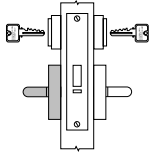
10606 Lockset

- 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

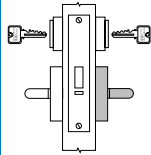
10607



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.

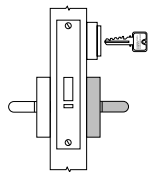
10608



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.

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"

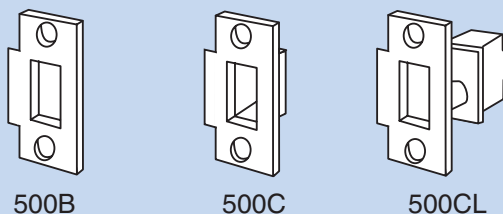
NOTE: If levers, knobs and safety knobs are used in combination, specify hinge or stop side for each type. (Specify "L" for lever, "K" for standard knob and "SK" for safety knob.)

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.

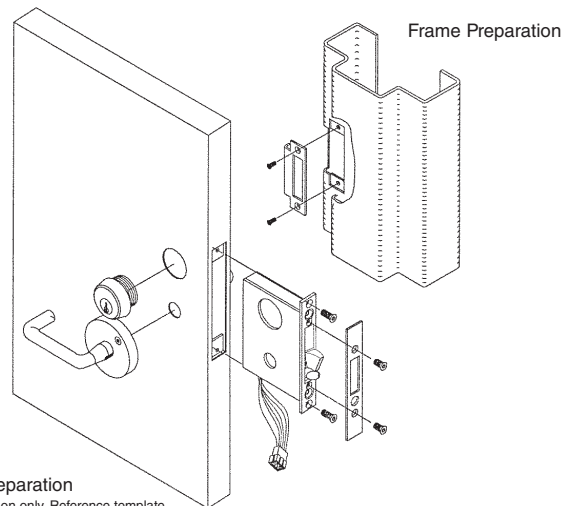
BOLT STRIKES



HOW TO ORDER:

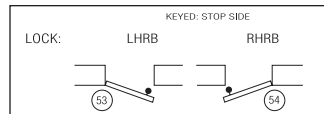
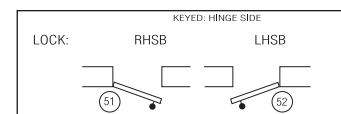
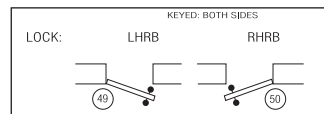
Specify:

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: 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 SYSTEMS

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.



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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

3150LX ELECTRIC LOCKING SYSTEM

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

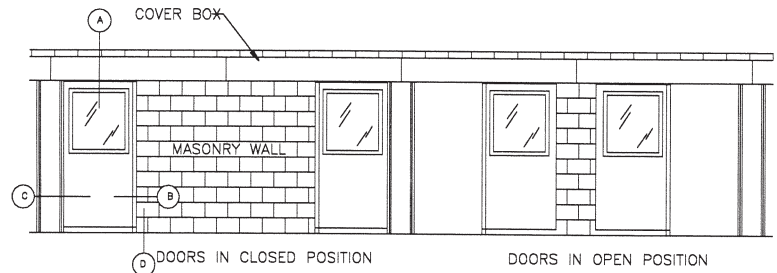
DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
MINIMUM	2'-4"	2'-4"	6'-0"	2'-6 1/2"
	2'-6"	2'-6"	6'-4"	2'-8 1/2"
	2'-8"	2'-8"	6'-8"	2'-10 1/2"
8'-0"	3'-0"	3'-0"	7'-4"	3'-2 1/2"
	3'-2"	3'-2"	7'-8"	3'-4 1/2"

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

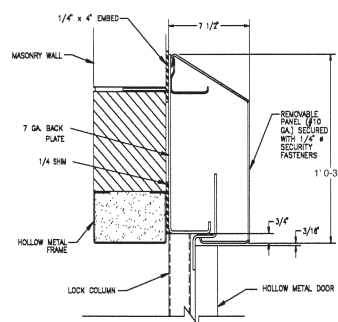
THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.

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.

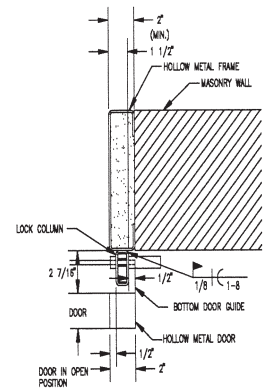


DETAIL A – SLOPED BOX

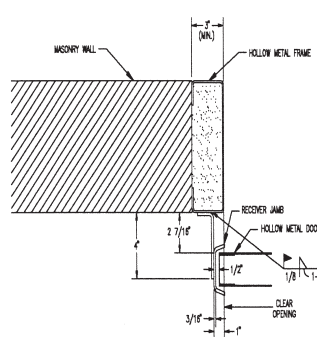


COVER BOX SECTION
7-1/2" deep x 1" - 1-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B – VERTICAL LOCK JAMB BAR

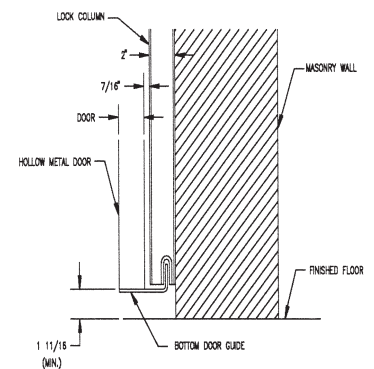


DETAIL C – RECEIVER



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

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.



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.



FOR INDIVIDUAL SLIDING DOORS

Maximum security.

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 "3165LXPK-1" for paracentric keyed one side.
Specify "3165LXPK-2" for paracentric keyed two sides.
Specify "3165LXPKM-1" for mogul keyed one side.
Specify "3165LXPKM-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".

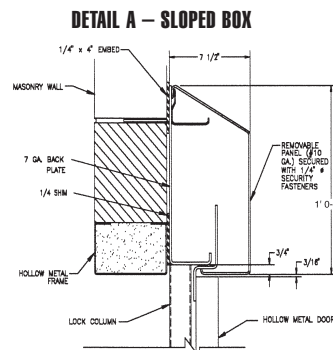
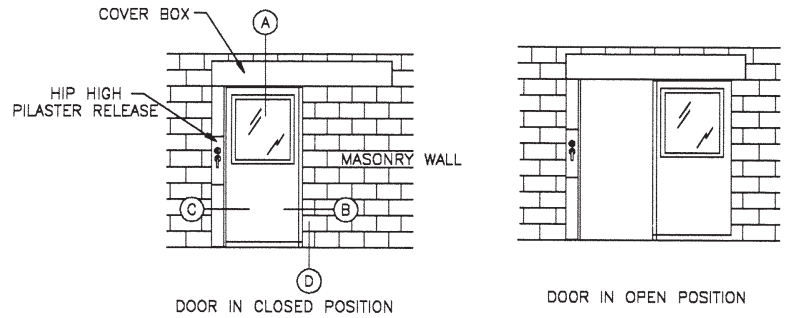
THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.

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.

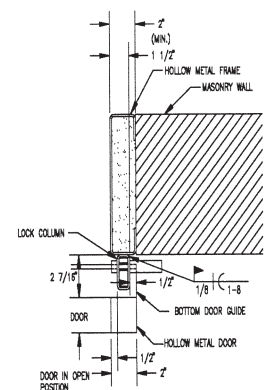
3165LX ELECTRIC LOCKING SYSTEM

3165LXP-2 SLIDING DOOR SYSTEM

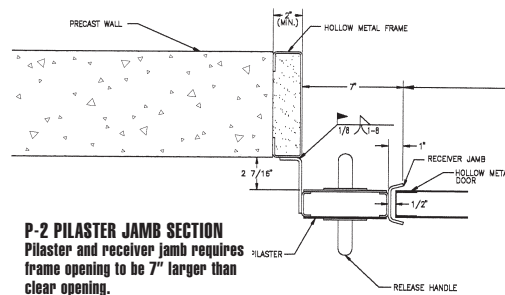


COVER BOX SECTION
7-1/2" Deep x 1'-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B - VERTICAL LOCK JAMB BAR

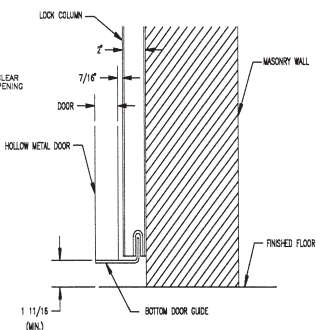


DETAIL C - PILASTER P2



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



3165LXPKM-2 Shown

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

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

4110L ELECTRIC LOCKING SYSTEM

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.



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.



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
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'-0"	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".

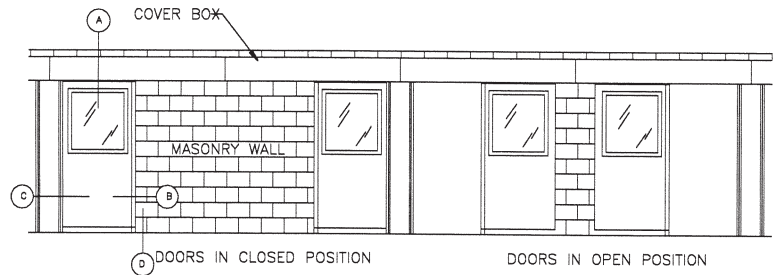
THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.

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

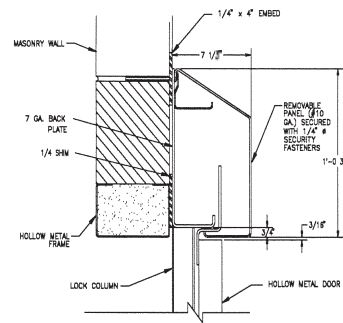
Other system configurations are available. Please contact Customer Service for assistance in specifying.

4110L ELECTRIC LOCKING SYSTEM

4110L SLIDING DOOR SYSTEM

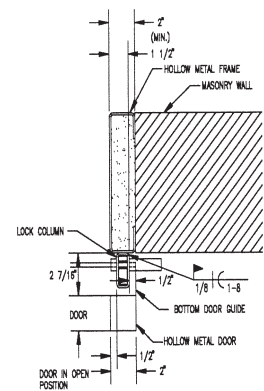


DETAIL A – SLOPED BOX

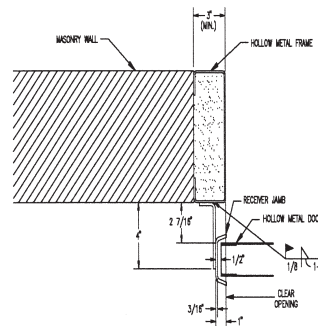


COVER BOX SECTION
7-1/8" deep x 1' - 0-3/4" tall cover box field welded 1" on 8" top and bottom.

DETAIL B – VERTICAL LOCK JAMB BAR

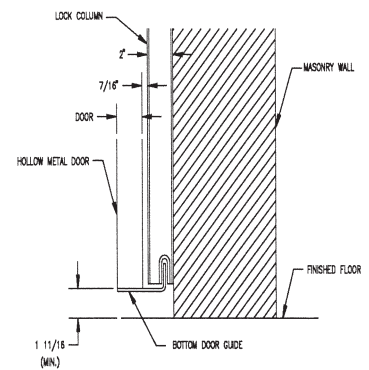


DETAIL C – RECEIVER



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.

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

1051P PNEUMATICALLY OPERATED DEADLATCH

1051P-1: KEYED ONE SIDE
1051P-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 pneumatic cylinder which retracts the latchbolt. Latchbolt remains retracted until door is opened approximately 2", then it releases, automatically latches and deadlocks when the door is closed.

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

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

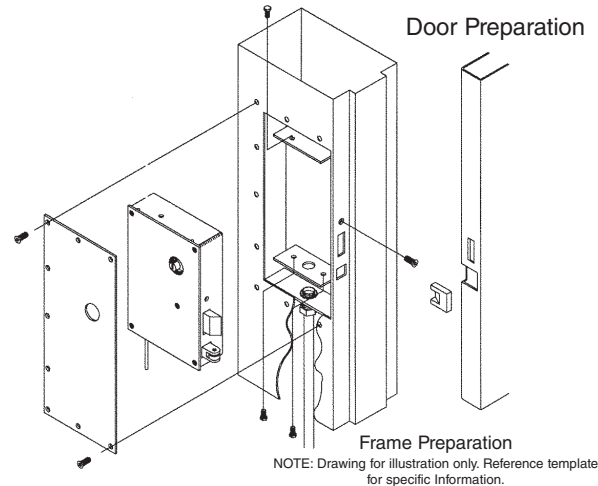


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Maximum security.

1051P PNEUMATICALLY OPERATED DEADLATCH



STANDARD FEATURES:

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

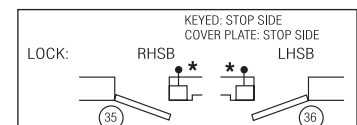
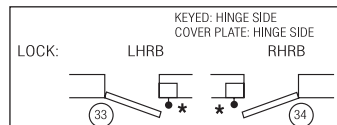
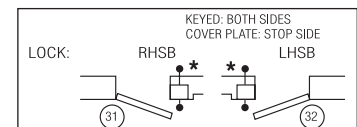
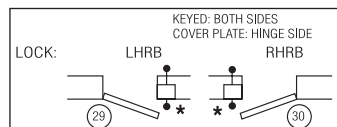
OPTIONAL FEATURES:

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

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

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

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:** 24 VDC, 1.5 watt
- **AIR REQUIREMENT:** Consumption: 1.1 cubic inches per operation. Supply pressure: 80-100 P.S.I. at the door.
- **LOCK SIZE:** 13-3/8" H x 9" W x 3-1/8" D
- **LOCK WEIGHT:** 50 lbs.
- **LATCHBOLT SIZE:** 2" H x 3/4" TK
- **LATCHBOLT THROW:** 1"
- UL Listed for use on three-hour fire doors
- UL Listed as burglary resistant under UL 1034

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

10120AP PNEUMATICALLY OPERATED DEADLATCH

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

APPLICATION:

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

FUNCTION:

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

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

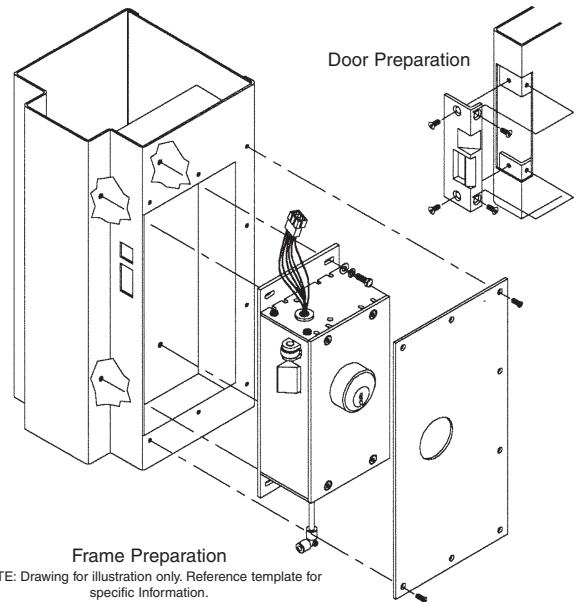


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Medium and maximum security.

10120AP PNEUMATICALLY OPERATED DEADLATCH



STANDARD FEATURES:

- Deadlock indication switch
- Mechanical latchback
- Strike with security fasteners
- Mogul cylinder (US26D Finish)
- Plug connector
- Solenoid valve
- 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."

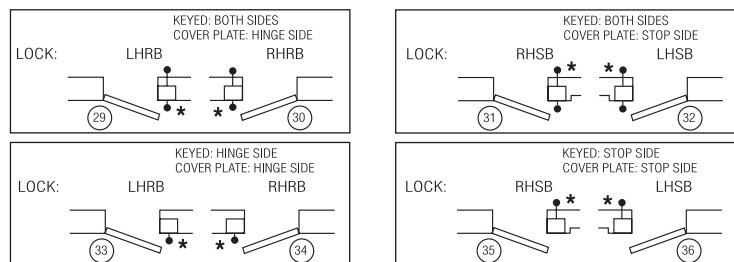
EMERGENCY EXIT DOOR HOLDBACK - Deadbolt retracted by air cylinder or by key, extended by key only (no snaplatch feature). When bolt is extended, lock is deadlocked. Specify "EED". UL Listing not available with this function.

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

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:** 24 VDC, 1.5 watt
- **AIR REQUIREMENT:** Consumption: 1.1 cubic inches per operation. Supply pressure: 80-100 P.S.I. at the door.
- **LOCK SIZE:** 12" H x 5-7/16" W x 3-1/2" D
- **LOCK WEIGHT:** 19 lbs.
- **LATCHBOLT SIZE:** 1-1/2" H x 3/4" TK
- **LATCHBOLT THROW:** 1"
- UL Listed for use on three-hour fire doors.
- UL Listed as burglary resistant under UL 1034.

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

JAMB MOUNTED FOR SWINGING DOORS

Minimum and medium security.

10300P PNEUMATICALLY OPERATED DEADLATCH

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

APPLICATION:

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

FUNCTION:

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

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



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

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
- Solenoid valve
- Fail secure
- Mounting fasteners

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

OPTIONAL FEATURES:

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

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

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

BUILDER'S HARDWARE CYLINDERS - Specify:

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

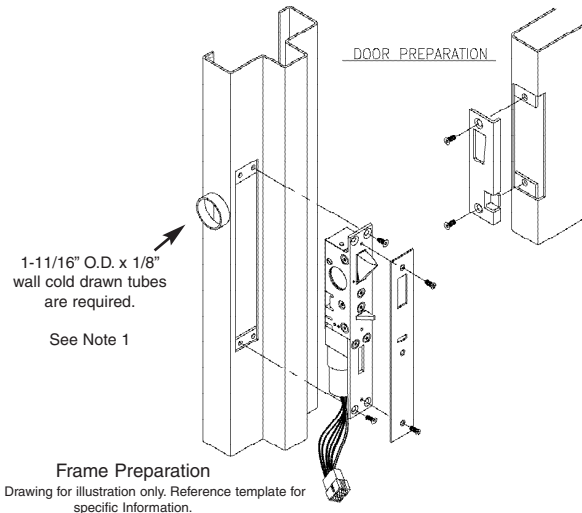
KEY CYLINDER EXTENDER - Required whenever lock is keyed on stop side. Overall frame depth 4" minimum. Specify "KCE."

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

PROVIDE: (See Fig. 1)

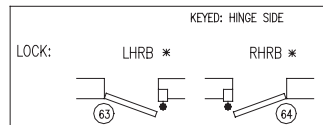
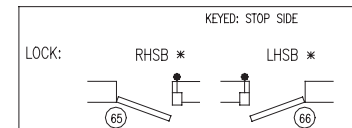
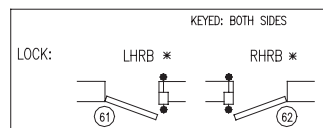
1. Dimension "A" (overall frame width)
2. Dimension "B" (edge of frame to centerline of lockbolt)

10300P PNEUMATICALLY OPERATED DEADLATCH



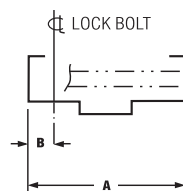
NOTE: Drawing for illustration only. Reference template for specific information.

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, 1.5 watt
- **AIR REQUIREMENT:** Consumption: .44 cubic inches per operation. Supply pressure: 80 - 100 P.S.I. at the door.
- **LOCK SIZE:** 10 - 5/8" H x 1-1/2" W x 1-3/4" D
- **LOCK WEIGHT:** 3.2 lbs.
- **LATCHBOLT SIZE:** 1-5/8" H x 5/8" TK
- **LATCHBOLT THROW:** 3/4"
- **BUILDER'S CYLINDER:** 1-5/32" diameter with standard Yale cam or equal
- **UL Listed** for use on three-hour fire doors



Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

8010L PNEUMATIC 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 pneumatic unlocking from a remote location. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths available are 2'4" to 3'2".

FUNCTION:

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

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

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



8010L PNEUMATIC 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, 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:** 24 VDC
Minimum five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.
- **AIR REQUIREMENTS:**
Air consumption 1.9 cubic inches per unlock operation at 80 PSIG.

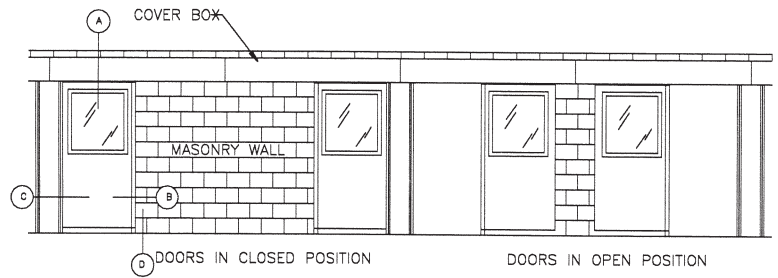
Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

8010L PNEUMATIC LOCKING SYSTEM

8010L PNEUMATIC SLIDING DOOR SYSTEM



STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

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

HINGED COVER PANELS - Cover panels are provided hinged to the cover box assembly for maintenance access. Specify "8010LHC."

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

FACTORY-WIRED CONTROL CABLE - Specify "8010LWC."

DOOR SCHEDULE

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

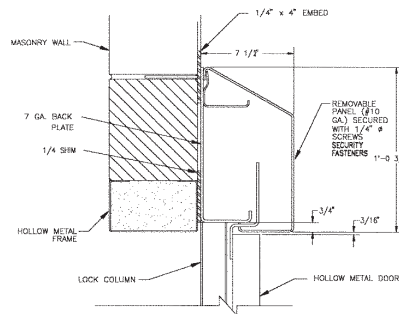
NOTE: Cover box minimum length = (7" pilaster) + (2 x clear opening) + 9".

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

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

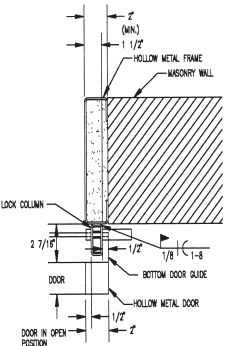
Other system configurations are available. Please contact Customer Service for assistance in specifying.

DETAIL A - SLOPED BOX

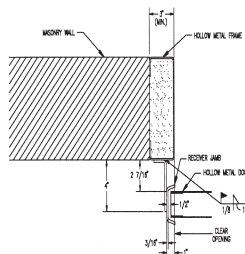


COVER BOX SECTION
7-1/2" deep x 1'-0-3/4" tall cover box field welded 1" on 6" top and bottom

DETAIL B - VERTICAL LOCK JAMB BAR

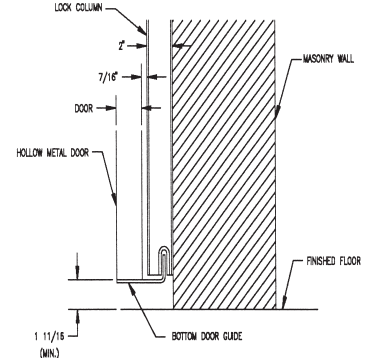


DETAIL C - RECEIVER



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

DETAIL D - BOTTOM DOOR GUIDE SECTION



8010L Shown

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



FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

8050L PNEUMATIC LOCKING SYSTEM

8050L PNEUMATIC LOCKING SYSTEM

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

FUNCTION:

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

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

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



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: 24 VDC
Minimum of five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.
- AIR REQUIREMENTS: Air consumption varies with door size at 80 PSIG.

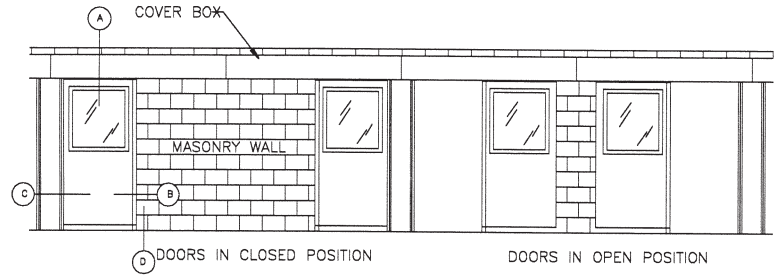


FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

8050L PNEUMATIC LOCKING SYSTEM

8050L PNEUMATIC SLIDING DOOR SYSTEM



STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

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

HINGED COVER PANELS - Cover panels are provided hinged to the cover box assembly for maintenance access.
Specify “8050LHC.”

FACTORY-WIRED CONTROL CABLE
Specify “8050LWC.”

DOOR SCHEDULE

DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
8'-0" 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"
	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 doors.

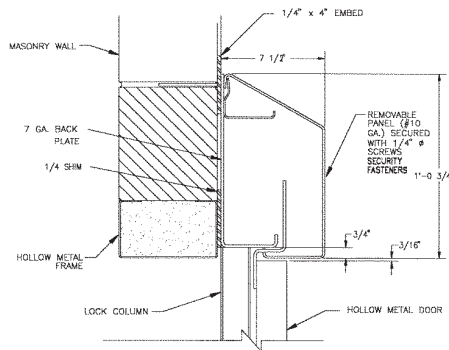
*For doors exceeding 300lbs. and/or greater than 3'-2" clear opening, contact factory.

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

C10

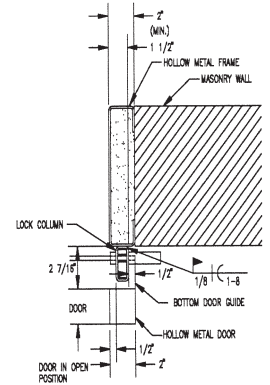
Revised 3/06

DETAIL A – SLOPED BOX

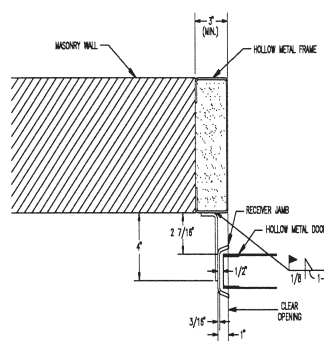


COVER BOX SECTION
7-1/2" deep x 1'-0-3/4" tall cover box field welded 1" on 6" top and bottom

DETAIL B – VERTICAL LOCK JAMB BAR

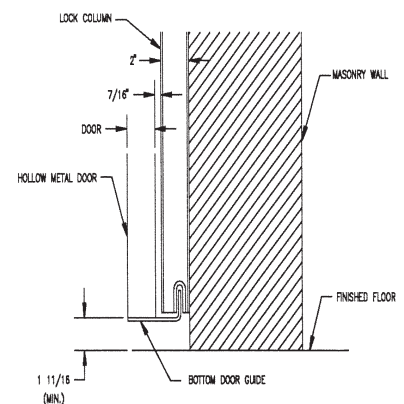


DETAIL C – RECEIVER



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

DETAIL D – BOTTOM DOOR GUIDE SECTION



8050L Shown

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

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR INDIVIDUAL SLIDING DOORS

Maximum security.

8065L PNEUMATIC LOCKING SYSTEM

8065L PNEUMATIC LOCKING SYSTEM

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

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

FUNCTION:

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

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



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: 3.5 watts
- WIRE REQUIREMENTS: Minimum of five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.
- AIR REQUIREMENTS: Air consumption varies with door size at 80 PSIG.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR INDIVIDUAL SLIDING DOORS

Maximum security.

8065L PNEUMATIC LOCKING SYSTEM

8065LP-2 PNEUMATIC 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 "8065LP-1" keyed one side.
Specify "8065LP-2" keyed two sides.

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

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

HINGED COVER PANEL - Cover panel is hinged to cover box assembly for maintenance access. Specify "8065LHC".

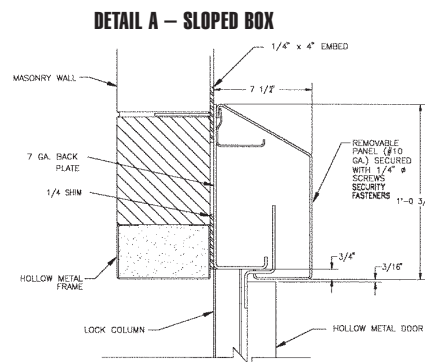
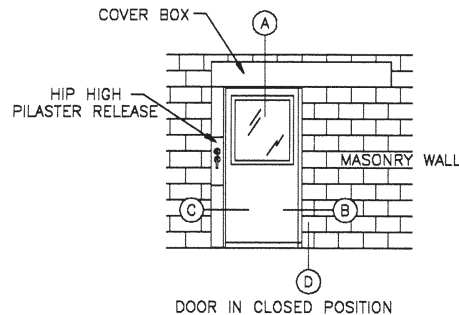
DOOR SCHEDULE				
DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
8'-0" MAXIMUM	3'-0"	3'-7"	7'-4"	3'-2 1/2"
	3'-2"	3'-9"	7'-8"	3'-4 1/2"
	3'-4"	3'-11"	8'-0"	3'-6 1/2"
	3'-6"	4'-1"	8'-4"	3'-8 1/2"
	3'-8"	4'-3"	8'-8"	3'-10 1/2"
	4'-0"	4'-7"	9'-4"	4'-2 1/2"
	4'-4"	4'-11"	10'-0"	4'-6 1/2"
	4'-6"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

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

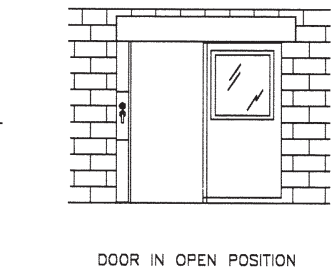
THREE HOUR FIRE DOOR RATING AVAILABLE. Standard cover box calculation does not apply to fire rated door.

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

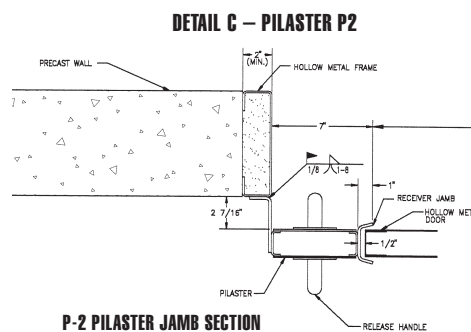
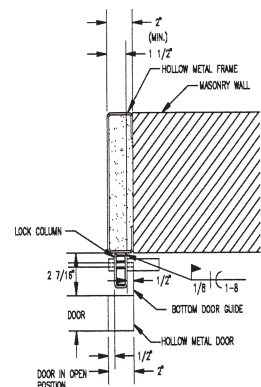
Other system configurations are available. Please contact Customer Service for assistance in specifying.



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

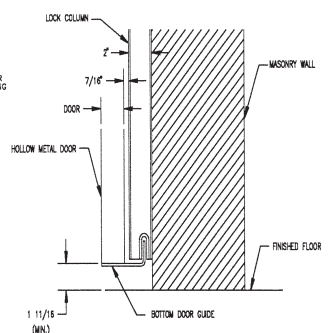


DETAIL B - VERTICAL LOCK BAR JAMB



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



8065LP-2 Shown

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



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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

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)

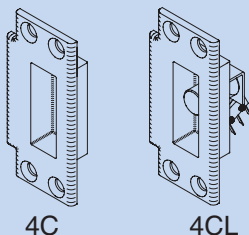
GRATING DOOR MOUNTING - Used for grating door application. Specify "G." (See page G17)

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

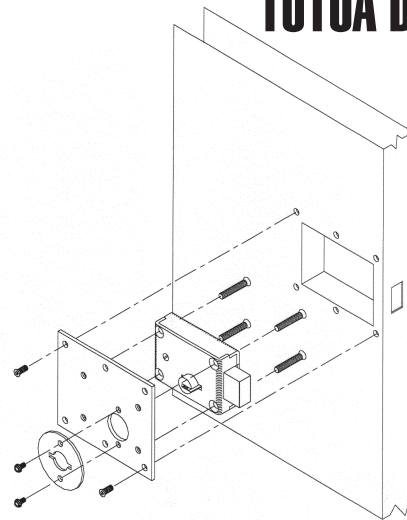


HOW TO ORDER:

Specify:

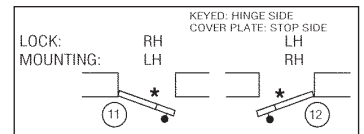
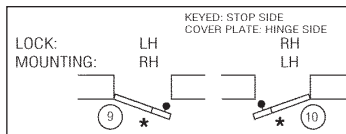
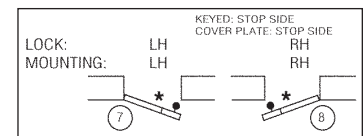
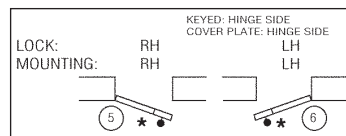
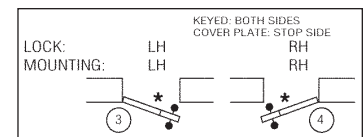
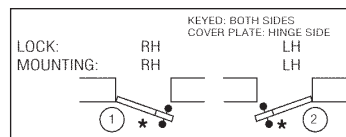
1. Quantity
2. Swing chart number (handing)
3. Bolt projection
4. Application (HM, G, P)
5. Key code instruction
6. Bolt keeper requirements

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"

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

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".

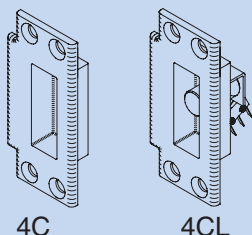
HOLLOW METAL MOUNTING - Used for hollow metal door application. Specify "HM." (See page G17)

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

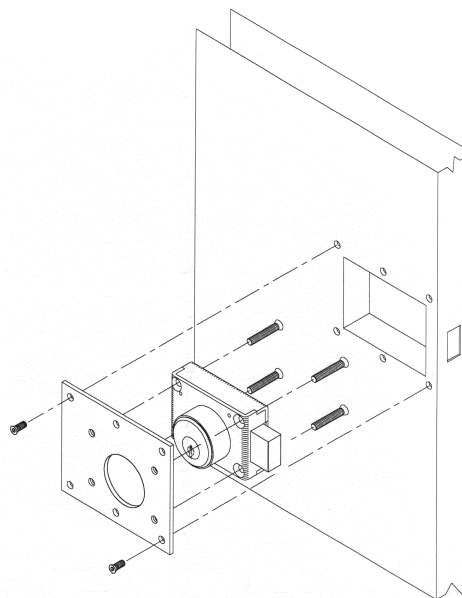


HOW TO ORDER:

Specify:

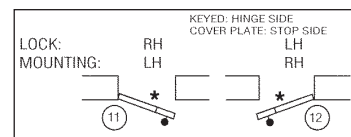
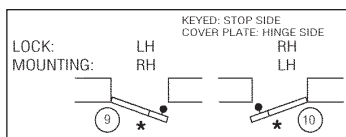
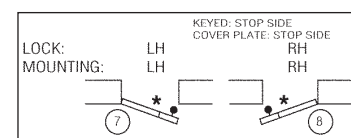
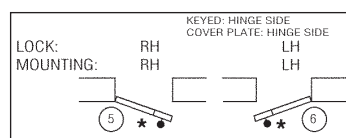
1. Quantity
2. Swing chart number (handing)
3. Bolt projection
4. Application (HM or surface)
5. Key code instruction
6. Bolt keeper requirements

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"

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

DOOR MOUNTED FOR SMALL SWINGING DOORS

Maximum security.

STANDARD FEATURES:

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

OPTIONAL FEATURES:

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

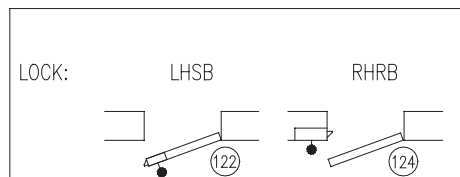
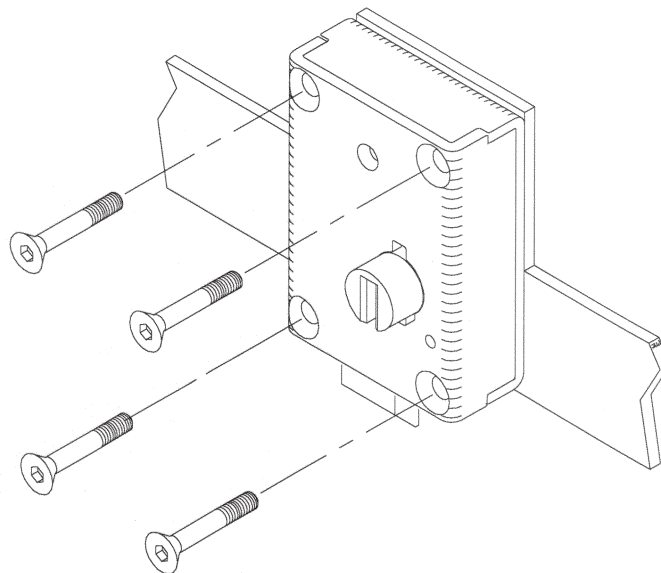
THUMBTURN - Retracts latchbolt without key. Specify "1017AT".

HOW TO ORDER:

Specify:

1. Quantity
2. Key code instructions

1017A SNAPLATCH



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

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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:

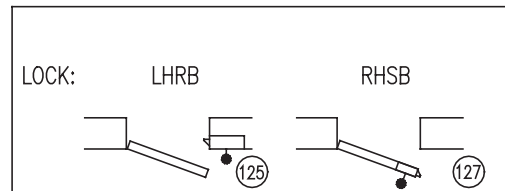
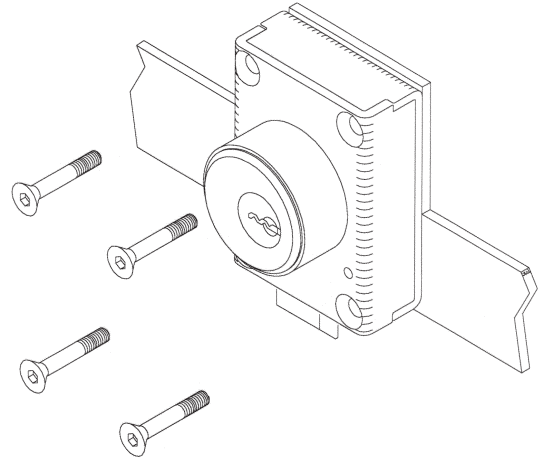
Key activated unlocking.
Snaplatches upon closing.



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

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

DOOR MOUNTED FOR SLIDING DOORS

Maximum security.

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 -

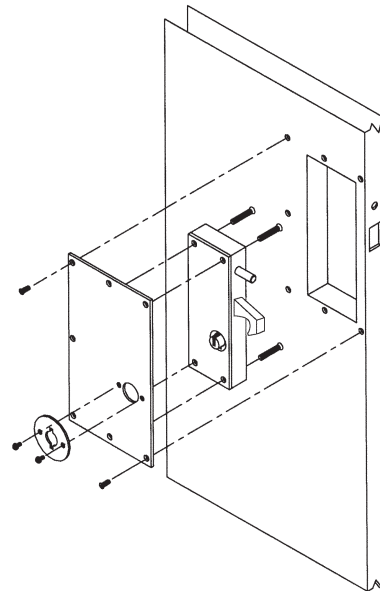
Used for grating door application. Specify "G."
(See page G17)

HOW TO ORDER:

Specify:

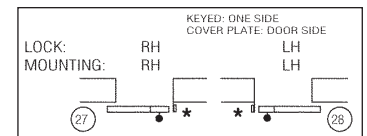
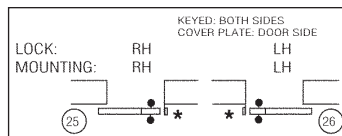
1. Quantity
2. Swing chart number (handing)
3. Application (HM, G)
4. Key code instruction

1030A AUTOMATIC DEADLOCK



HM Mounting Shown

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

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

DOOR MOUNTED FOR SLIDING DOORS

Maximum security.

1030AD DEADLOCK

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)

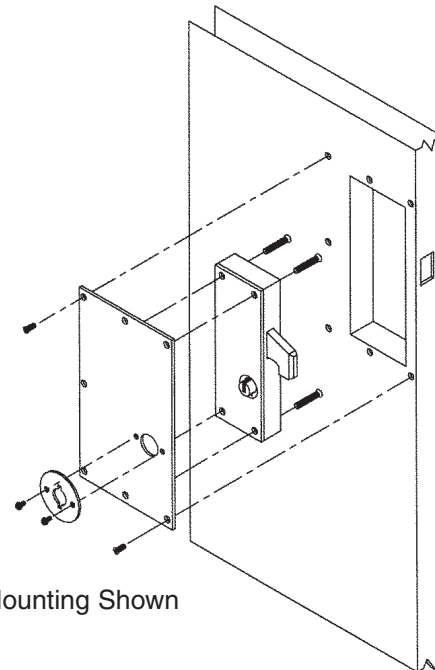
GRATING DOOR MOUNTING -

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

HOW TO ORDER:

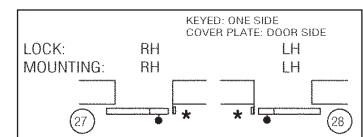
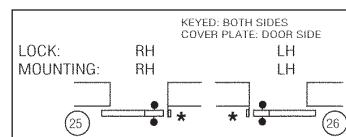
Specify:

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



HM Mounting Shown

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

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

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.



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

STANDARD FEATURES:

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

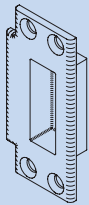
OPTIONAL FEATURES:

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

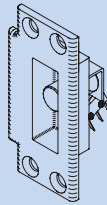
GRATING DOOR MOUNTING -
Used for grating door application.
Specify "G." (See page G17)

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

BOLT KEEPERS/STRIKES



470C
(Standard)



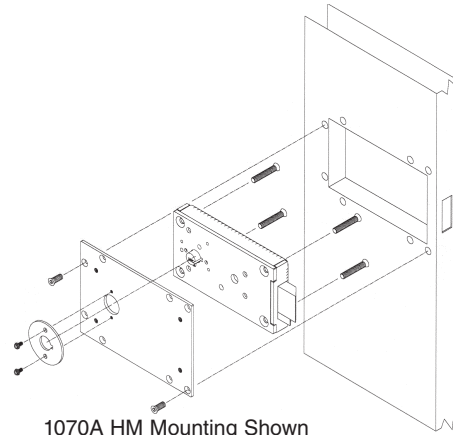
470CL
(Optional)

Note:
Bolt Keepers are supplied with security fasteners.

HOW TO ORDER:

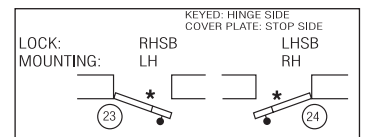
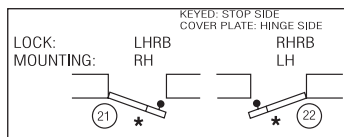
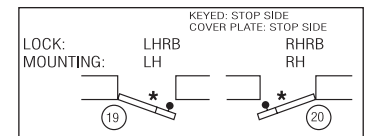
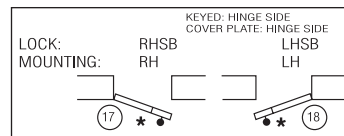
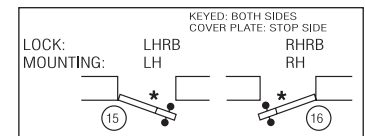
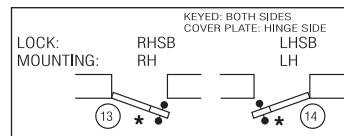
- Specify:
1. Quantity
 2. Swing chart number (handing)
 3. Application (HM, G, P)
 4. Key code instruction
 5. Bolt keeper requirements

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.



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.

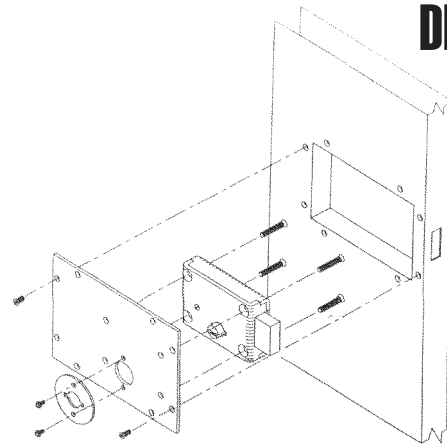


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

1080A DEADLOCK



HM Mounting Shown

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)

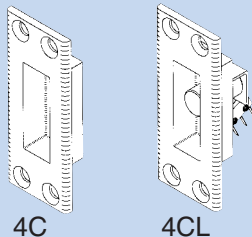
BOLT KEEPER OPTIONS - (Must be specified separately):

4C - Bolt keeper with dustbox

4CL - Bolt keeper with switch

NOTE: Keepers supplied with security fasteners.

BOLT KEEPERS/STRIKES

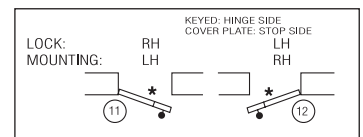
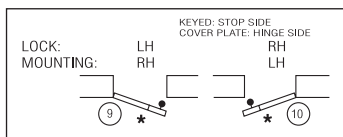
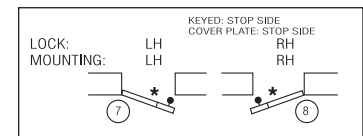
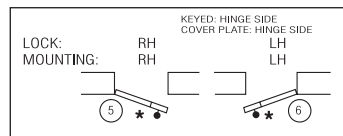
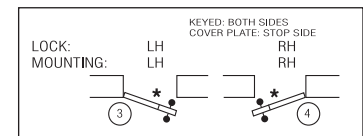
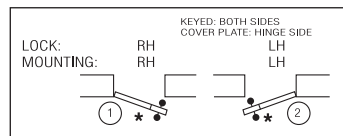


HOW TO ORDER:

Specify:

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

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"

Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

DOOR MOUNTED FOR SWINGING DOORS

Maximum security.

10370A CREMONE BOLT SET WITH SNAPLATCH

10370AA-1: ACTIVE-KEYED
ONE SIDE

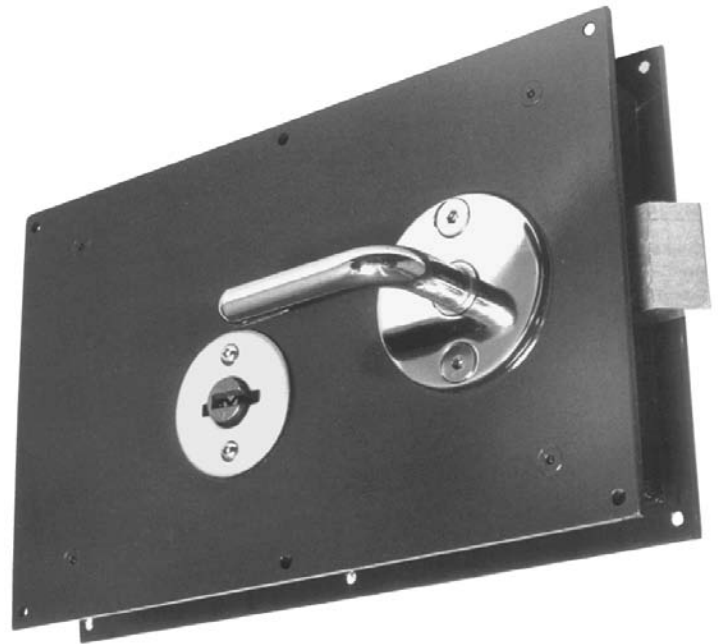
10370AA-2: ACTIVE-KEYED
BOTH SIDES

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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

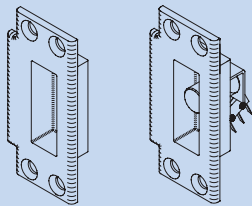
DOOR MOUNTED FOR SWINGING DOORS

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:

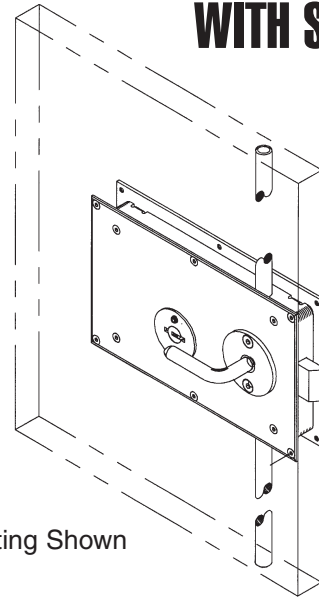
Specify:

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

OPTIONAL FEATURE FOR PAIR OF DOORS:

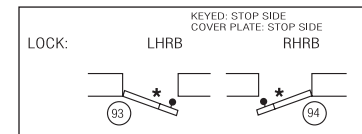
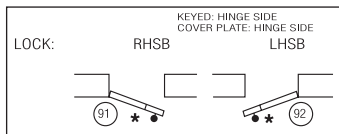
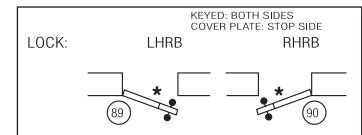
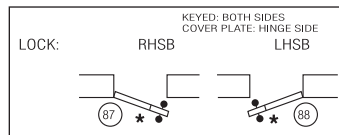
10105 HEAD OR FOOT BOLT

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"



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.



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:

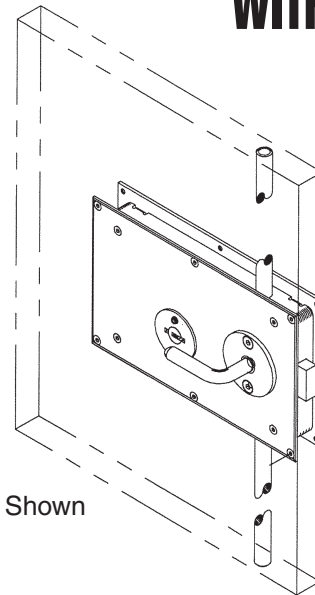
Specify:

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

OPTIONAL FEATURES FOR PAIR OF DOORS:

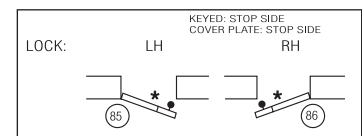
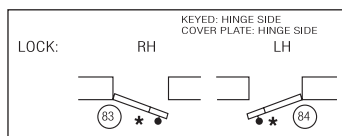
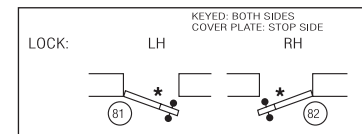
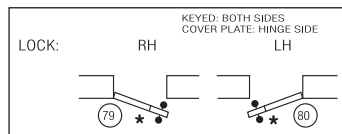
10105 HEAD OR FOOT BOLT

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"

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

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

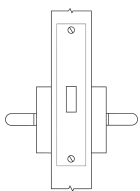


Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

10501

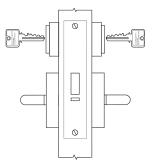


10501 Passage or Closet Latch

- Latchbolt operated by lever either side.

F01

10509

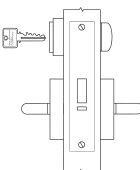


10509 Apartment, Exit or Toilet Lock

- 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

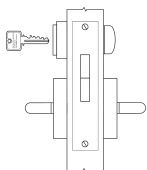


10504 Entry Lock

- 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

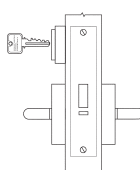


10513 Dormitory or Exit Lock

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

F13

10505

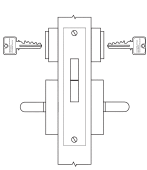


10505 Classroom Lock

- 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

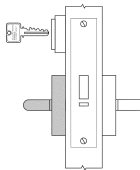
- Latchbolt operated by lever either side.
- Deadbolt operated by key both sides.

10514 Modified Store Door Lock

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

F14

10507

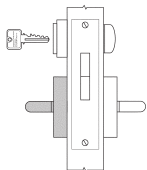


10507 Storeroom or Closet Lock

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

F07

10515



10515 Modified Hotel Guest Lock

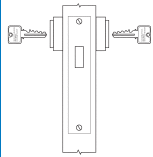
- Latchbolt operated by lever inside or by key outside.
- Deadbolt operated by thumbturn inside or by key outside.
- Lever outside always rigid.
- Lever inside simultaneously operates both bolts.
- Deadlock actuator.

F15 Modified

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

10516

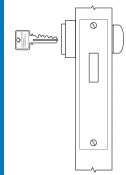


F16

10516 Deadlock

- Deadbolt is operated by key either side.

10517

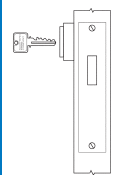


F17

10517 Deadlock

- Deadbolt is operated by key outside, thumbturn inside.

10518

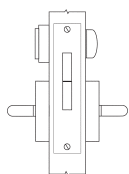


F18

10518 Deadlock

- Deadbolt is operated by key from outside.

10519

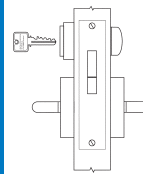


F19

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

10520

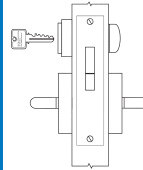


F20

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.

10521

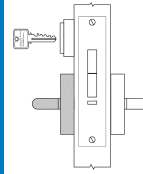


F21

10521 Entrance or Storeroom Door Lock

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

10536



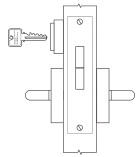
10536 Lockset

- 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.

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

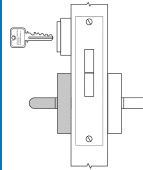
10561



10561 Lockset

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

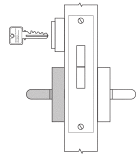
10565



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.

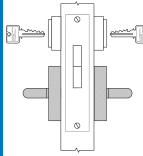
10562



10562 Lockset

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

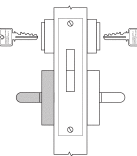
10566



10566 Lockset

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

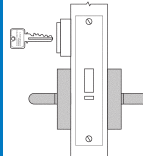
10563



10563 Lockset

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

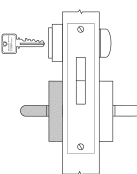
10571



10571 Lockset

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

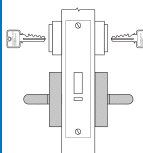
10564



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



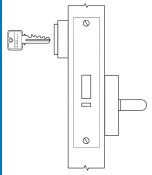
10572 Lockset

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

FUNCTIONS

10500 INSTITUTIONAL MORTISE LOCK FOR SWINGING DOORS

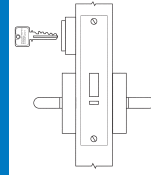
10573



10573 Lockset

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

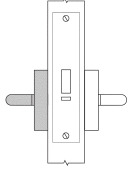
10577



10577 Lockset

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

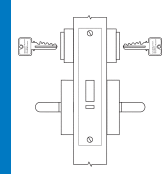
10574



10574 Lockset

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

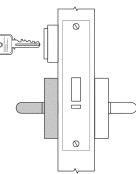
10578



10578 Lockset

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

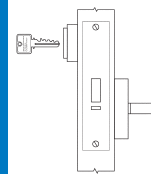
10575



10575 Lockset

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

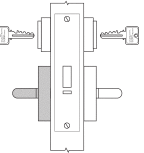
10579



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.

DOOR MOUNTED FOR SWINGING DOORS

Minimum and medium security.

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."

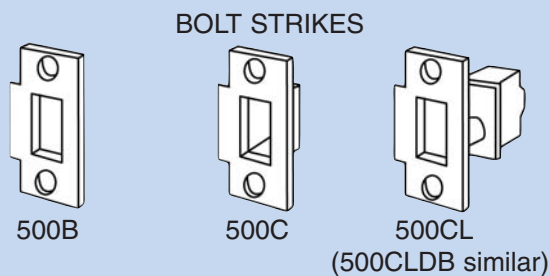
NOTE: For functions without outside or inside handles, we recommend the use of a door pull.

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.

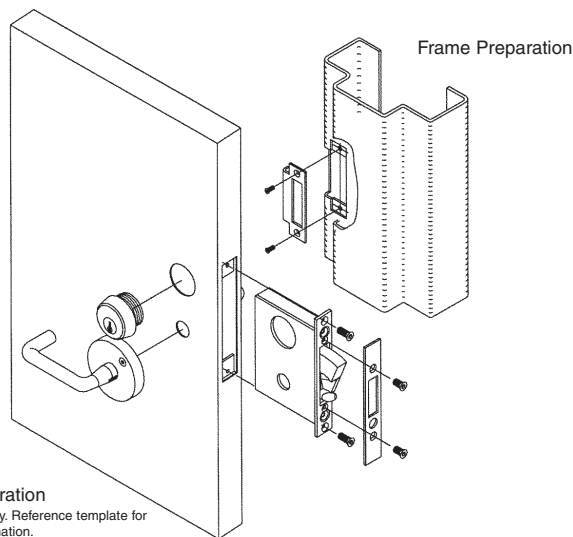


HOW TO ORDER:

- 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.

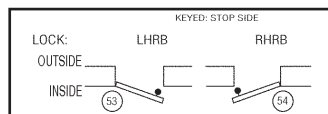
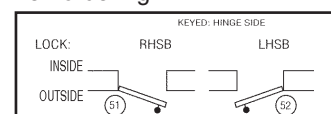
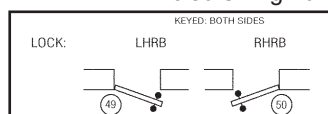
NOTE: When knob or lever lockout functions are required, please indicate if stop or hinge side is considered room interior.

10500 INSTITUTIONAL MORTISE LOCK



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

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.

1300 TRACK SET



Shown with 1058M Lock and Optional Lock Mounting Pilaster

APPLICATION:

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

FUNCTION:

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

STANDARD FEATURES:

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

OPTIONAL FEATURES:

- Indication switch in track housing

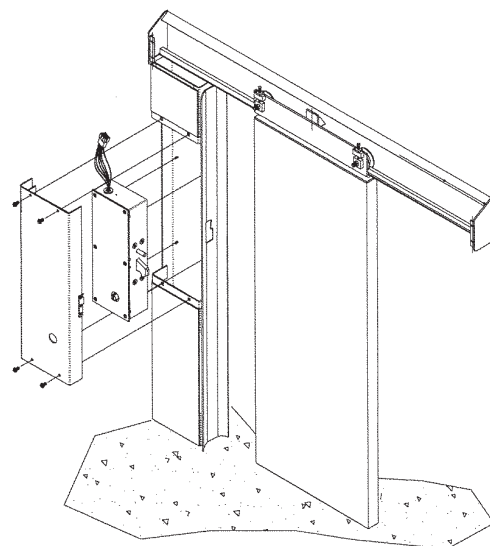
TECHNICAL DATA:

- 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



Detention Equipment by
SOUTHERN STEEL
SINCE 1897

FOR CONTROL OF DOORS AND INTERCOM

8800/8400 DESK TOP CONTROL SYSTEM

DESKTOP CONTROL SYSTEM

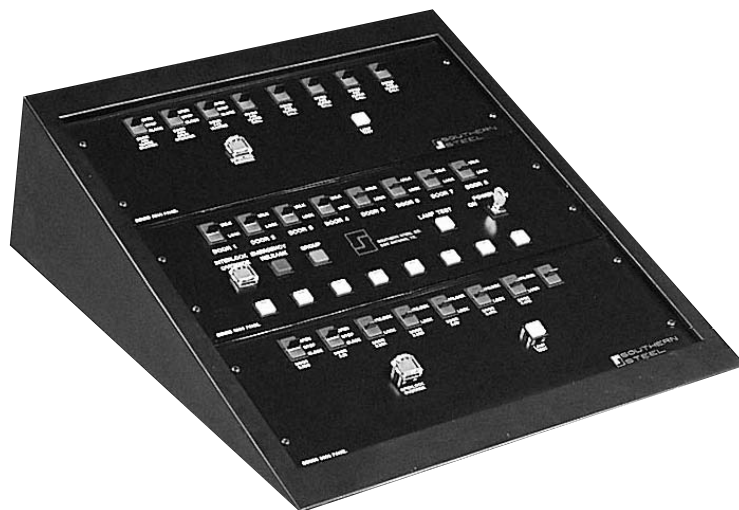
System is designed for small to medium sized applications where local control without full system integration is desired. Built around the Southern Folger 8410B Relay Card, the most versatile relay logic board on the market today, the system is available with a wide variety of optional special functions. Units come completely wired with internal power supplies, fully tested and ready to connect to field wiring and power.

8800 SERIES:

This basic 7" x 19" door control system for swinging and sliding doors is completely pre-wired and factory tested for easy onsite installation. This control panel is punched aluminum with a durable reverse engraved non-graphic overlay, which can be labeled with applicable functions. The system can be supplied for horizontal or vertical orientation. The 8800 Series provides control and indication for up to 8 relay points per panel and can be supplied with lamp test, group and emergency release features and interlocks. Typically supplied for 19" rack mounting, the system can also be mounted in an optional 14" or 21" desktop turret. With the optional expansion backplane, up to three 8800 control panels, each with the capacity to control 8 relay points, can be installed in a 21" turret for control of up to 24 relay points per turret.

8400 SERIES:

For specific space requirements, enhanced graphics and other customized applications, the 8400 Series provides enhanced features including CAD generated color graphic overlay, user specified dimensions from 6" x 6" through 48" x 48", and up to 100 relay points per control panel, depending upon size. Engineered to meet exact user requirements, the 8400 Series control system can be configured to operate complex, multi-group door/gate control with interlocks, an integral intercom master station, lighting or relay controller, in any combination. All of the custom features are in addition to those found in the 8800 Series controller. Mounting options include standard rack, turret or custom. Units are typically supplied with expansion backplane for remote mounting of control circuitry. Southern Folger offers complete engineering of this system to meet your facility's needs through our full-service technical engineering and design group. Installation and maintenance are also available.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

FOR CONTROL OF DOORS AND INTERCOM

8800/8400

DESKTOP CONTROL SYSTEM

OPTIONAL FEATURES:

The optional expansion backplane is used with the 8800 and 8400 Series Desktop Control Systems. These PVC or steel backplanes (user specifies either plastic or steel) are designed to provide convenient mounting for power supplies, 8410B Relay Cards, wiring terminals and other components, as well as to serve as a customer field/power wiring point. Can be rack-mounted or wall-mounted in an optional NEMA 1-12 enclosure (For more information on NEMA rating, see the National Electrical Manufacturers Association Standards Publication No. 250.) This backplane is required for rack mounted 8800 or 8400 control panels and all systems requiring more than two 8410B cards (16 relay points), or systems requiring custom wiring interfaces. Units can be built and stamped as UL508A compliant.

TECHNICAL SPECIFICATIONS:

OPERATING MODES/VOLTAGES:

LOCK CONTROL: 24VDC
120VAC

INDICATION: 24VDC Light Emitting Diodes-
Red/Green (Standard)

SUPPLY VOLTAGE: Internal 24VDC (Mains Powered)
Customer Supplied 24VDC
120VAC Mains Direct-
Circuit Overload Protected

SWITCHES: AML Microswitch Series 20
(Standard)

POWER CONSUMPTION: 50 Watts

USER CONNECTIONS: DIN Rail Mounted Screw
Terminals

OPTIONS AVAILABLE:

TURRET MOUNTING:	14", 21", Custom 8800/8400
RACK MOUNTED:	Standard 19", Custom 8800/8400
SWITCHES:	All contact configurations, pushbuttons, cover colors, guards, key switches
CUSTOM GRAPHICS:	AutoCad Generated - Unlimited line weights and colors
LAMP TEST:	Standard 8800/8400
GROUP RELEASE:	Standard 8800/8400
EMERGENCY RELEASE:	Standard 8800/8400
INTERLOCK OVERRIDE:	Standard 8800/8400
INTERCOM MASTER STATION:	8400 Only
LIGHTING CONTROL:	8400 Only
DURESS INDICATORS:	8400 Only
CUSTOM INTERFACE:	8400 Only
PANIC BUTTON:	8400 Only
CUSTOM ENCLOSURES:	8800/8400 NEMA 1-12
CUSTOM DOCUMENTATION:	8400 Only

Other custom features available. Call for more information.

NOTES:

1. The maximum number of 8800 panels that can be mounted in a single 14" turret is 2.
2. The maximum number of 8800 panels that can be mounted in a single 21" turret is 3.
3. The expansion backplane is required for all systems utilizing more than 16 relay points and for rack mounted units. Sliding doors typically require 2 relay points, while swing doors typically require 1 relay point.



FOR CONTROL OF DOORS AND INTERCOM

8400/8400 EXPANSION BACKPLANE

FEATURES:

The optional expansion backplane is used with the 8800 and 8400 Series Desktop Control Systems. These PVC or steel backplanes (user specifies either plastic or steel) are designed to provide convenient mounting for power supplies, 8410B Relay Cards, wiring terminals and other components, as well as to serve as a customer field/power wiring point. Can be rack-mounted or wall-mounted in an optional NEMA 1-12 enclosure (For more information on NEMA rating, see the National Electrical Manufacturers Association Standards Publication No. 250.) This backplane is required for rack mounted 8800 or 8400 control panels and all systems requiring more than two 8410B cards (16 relay points), or systems requiring custom wiring interfaces. Units can be built and stamped as UL508A compliant.

TECHNICAL SPECIFICATIONS:

OPERATING MODELS/VOLTAGES:

LOCK CONTROL: 24VDC
120VAC

INDICATION: 24VDC Light Emitting Diodes-
Red/Green (Standard)

SUPPLY VOLTAGE: Internal 24VDC (Mains Powered)
Customer Supplied 24VDC
120VAC Mains Direct-
Circuit Overload Protected

SWITCHES: AML Microswitch Series 20
(Standard)

POWER CONSUMPTION: 50 Watts

USER CONNECTIONS: DIN Rail Mounted screw
Terminals

OPTIONS AVAILABLE:

TURRET MOUNTING:	14", 21", Custom 8800/8400
RACK MOUNTED:	Standard 19", Custom 8800/8400
SWITCHES:	All contact configurations, pushbuttons, cover colors, guards, key switches
CUSTOM GRAPHICS:	AutoCad Generated - Unlimited line weights and colors
LAMP TEST:	Standard 8800/8400
GROUP RELEASE:	Standard 8800/8400
EMERGENCY RELEASE:	Standard 8800/8400
INTERLOCK OVERRIDE:	Standard 8800/8400
INTERCOM MASTER STATION:	8400 Only
LIGHTING CONTROL:	8400 Only
DURESS INDICATORS:	8400 Only
CUSTOM INTERFACE:	8400 Only
PANIC BUTTON:	8400 Only
CUSTOM ENCLOSURES:	8800/8400 NEMA 1-12
CUSTOM DOCUMENTATION:	8400 Only

Other custom features available.

NOTES:

1. The maximum number of 8800 panels that can be mounted in a single 14" turret is 2.
2. The maximum number of 8800 panels that can be mounted in a single 21" turret is 3.
3. The expansion backplane is required for all systems utilizing more than 16 relay points and for rack mounted units. Sliding doors typically require 2 relay points, while swing doors typically require 1 relay point.

Detention Equipment by
**SOUTHERN
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SINCE 1897

FOR CONTROL OF DOORS

8410B RELAY CARD

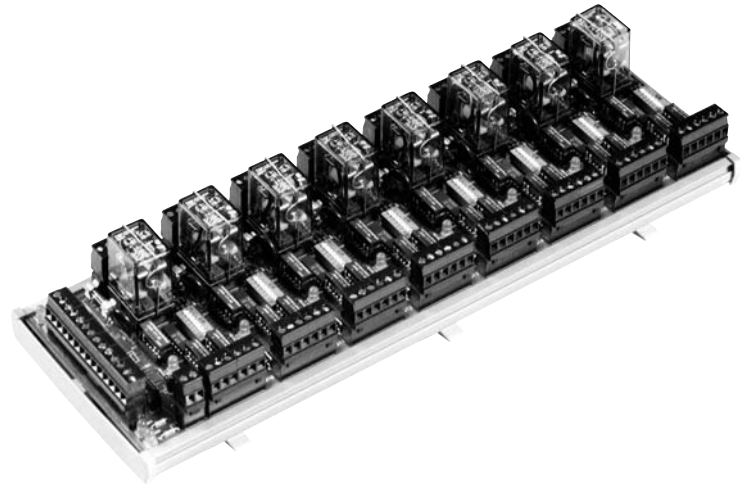
The 8410B Relay Card is the most versatile relay logic board on the market today. This relay board has eight form C dry contacts to operate either eight swinging doors or four sliding doors. The board outputs are capable of handling a 10 amp load, yet they are fused to your requirements. The board will handle group enable, emergency release, lamp test and interlock override. The interlock dip switch settings per relay is the most unique feature about this board. You can interlock any of the doors on the 8410B card and also link another 8410B card to incorporate interlock groups. The ease of maintenance and the reliability of relay logic is excellent for small to medium applications requiring local control. It can also be networked through PLC Systems for remote control.

TECHNICAL DATA:

The 8410B Relay Card has eight relays which can be used to control eight swinging doors or four sliding doors. Each relay station has the following:

1. Group release enable input. When a +24V DC signal is applied to this input the output relay will be energized when a +24V DC signal is applied to the bused group release input.
2. Emergency release setting. By setting the jumper on pins 2 and 3 of the header, the output relay will be energized by a +24V DC signal that is applied to the bused emergency release input.
3. Switch selectable interlock capability. By setting the individual switches on the dip switch, the relay station can be interlocked with any other relay station on the card. The station can also be interlocked with a station located on a different 8410B relay board. A total of sixteen doors can be interlocked as one group.

8410B RELAY CARD



- A +24V DC signal to the bused interlock override input will allow the relay to operate when the main operate signal is applied.
- 4. Fused power input to the relay common. Since the output is a form-C dry contact, the power input is fused prior to being applied to the relay common. The fuse is a 20 x 5 mm fuse and can be sized according to the load.
- 5. +24V DC and 24V DC common supply outputs for the control panel switch and panel indication.
- 6. Secure and unsecure outputs to the panel LEDs.
- 7. +24V DC supply for indication.
- 8. Secure and unsecure inputs.
- 9. Indications for output relay, group release enable and interlock active.

The 8410B has inputs that are bused to the individual relay stations:

1. Ground
2. 24V DC common
3. +24V DC supply (indication)
4. Lamp test
5. Group release (indication)
6. Interlock override (indication)
7. Emergency release (indication)

Relay contact ratings are: 10A @ 120V AC, resistive; 10A @ 30V DC, resistive; 1/2 Hp. @ 205V AC; 1/3 Hp. @ 120VAC.

Maximum power requirement:
.8A @ 24V DC.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

FOR CONTROL OF INTERCOM

IC 400-2 INTERCOM CARD

This IC 400-2 Intercom Card is a versatile and flexible intercom switching board. It can work as a stand-alone card in a retrofit application, or can be incorporated with amplifiers from numerous manufacturers in new installations. Each IC 400-2 accepts four intercom stations with pushbutton call-in. When a call is received from the field, the IC 400-2 will generate a flashing output to alert the operator that a call has been placed. At the same time, an output for audible alert will be generated. Upon acknowledgement of the intercom call from the Control Station, the LED will turn steady and connect you to the station calling. Each IC 400-2 station allows for speaker sharing in which two call buttons will operate one speaker. The IC 400-2 will operate as a stand-alone unit for four speakers or may be mounted in Southern Steel's ICB12-3 Card Cage.

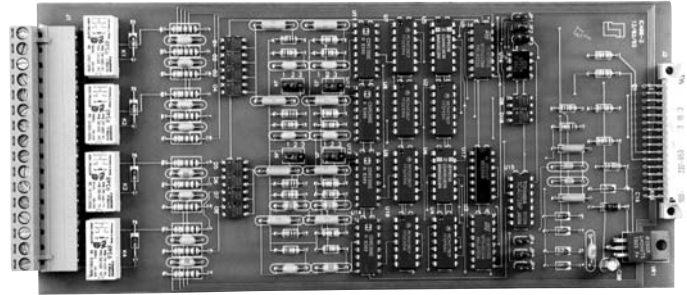
TECHNICAL DATA:

The IC 400-2 Intercom relay board is used to connect a remote intercom station with the master intercom. Each board can switch four stations. Each station has the following features:

1. Call-in select. By setting the jumper on pins 2 and 3, a call-in tone will be generated each time the remote call button is pushed. If the jumper is set on pins 1 and 2, only one call-in tone will be generated when the remote call button is pushed. The remote station must be selected and reset before another call-in tone can be generated.



IC 400-2 INTERCOM CARD



2. Station sharing. Two intercom stations, 1-2 and 3-4, can be combined to share the same speaker by setting the appropriate jumpers. Jumpers 1, 2 and 3 are used for station 1 and 2, while jumpers 4, 5 and 6 are used for stations 3 and 4.

Each station has an output for the panel LED and the station select switch. When a call-in is detected, the call-in tone will sound and the panel LED will flash. Pushing the station select switch will open a channel to the remote speaker and cause the LED to be steadily illuminated. Setting the station select button again will reset the station and close the channel.

Each board has an input for a master reset which will reset any station that has been selected. Any station that is awaiting acknowledgement (LED flashing), is not affected. A lamp test input is also provided for the panel LEDs.

Board power requirements are:

1. +24V DC 1% regulated power supply (connects to backplane).
2. Supply current 100mA.
3. Select, call-in, lamp test, and reset voltage + 24V DC sourcing.
4. Select, call-in, lamp test, and reset current - 15mA typ.
5. Panel LED supply voltage - +24V DC 1% regulation.
6. Panel LED current (sinking) - 15mA typ. (75mA max.)

Switches for intercom selection may be added to the 8800 series and 8400 series control panels.

FOR CONTROL OF INTERCOM

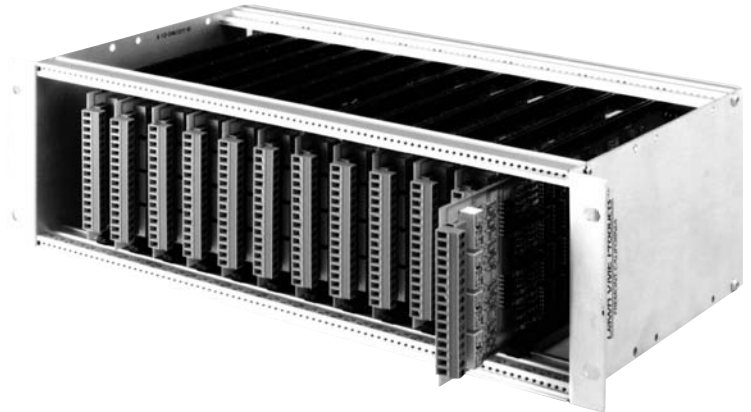
ICB12-3 CARD CAGE

ICB12-3 CARD CAGE

The ICB12-3 Card Cage holds up to 12-IC 400-2 Intercom Switch Boards. This Card Cage provides power, control signals and two audio channels, one switched and one unswitched, to each IC 400-2. The ICB12-3 can be separated into two separate intercom channels containing six cards each by configuring jumpers on the back plane. The back plane provides master inputs for reset and lamp test and an output for call-in annunciation. All connections to the IC 400-2 switchboards are made on front of the cage, while connections for the switches and LEDs at the control station are made at the rear of the cage. The ICB12-3 mounts in a standard EIA 19" rack and utilizes 5.25" of rack space. The entire assembly operates on 24 volts DC and consumes less than 30 watts of power.

TECHNICAL DATA

The ICB12-3 backplane is mounted in a VME card cage and has slots for 12 IC400-2 intercom switch boards. The backplane has two sets of connections for power, master reset, lamp test, call-in annunciator, intercom audio and all-call. The backplane also has indication to show that power is applied to the backplane. All the above signals are bused to the individual IC400s. The backplane also has connections for the station select switch and panel LED. A series of jumpers (two per card) can be removed to isolate that card from the all-call bus. A bank of jumpers also can be removed from the backplane which can be used to split the backplane into two separate audio paths.



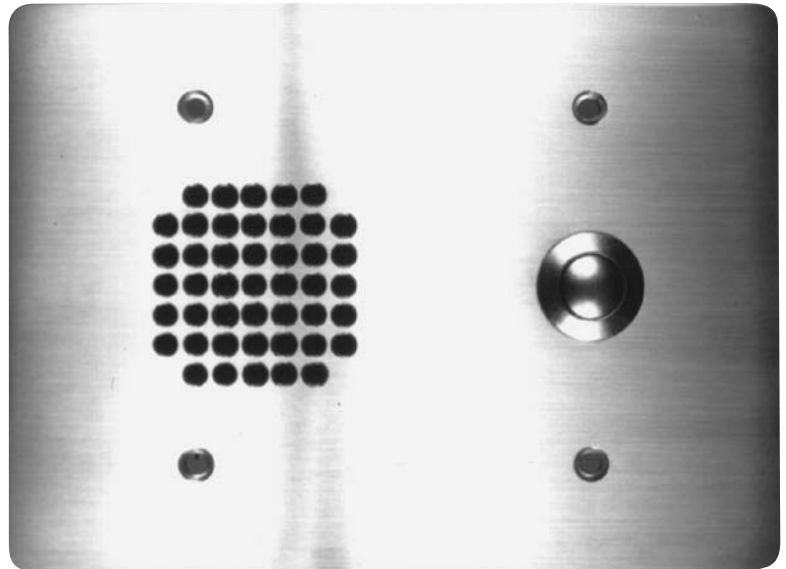
Detention Equipment by
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STEEL**
SINCE 1897

INTERCOM STATION

SIC300 SECURITY INTERCOM STATION WITH CALL-IN SWITCH

The SIC300 Security Intercom Station with Call-In Switch is flush-mounted and consists of a water and flame resistant speaker/microphone with Mylar cone and momentary call-in switch. The station operates both as a microphone and a speaker to provide two-way voice communications to a control center. Pressing the momentary switch permits the station to signal a call to the control center. The speaker/microphone and momentary call-in switch are mounted to a 11 gauge stainless steel faceplate, which in turn mounts to a standard three gang masonry backbox. The speaker/microphone cone is protected by wire mesh and two perforated plates with offset holes to prevent puncture and vandalism. The Mylar cone is moisture proof, which is excellent for indoor and outdoor use.

SIC300 SECURITY INTERCOM STATION WITH CALL-IN SWITCH



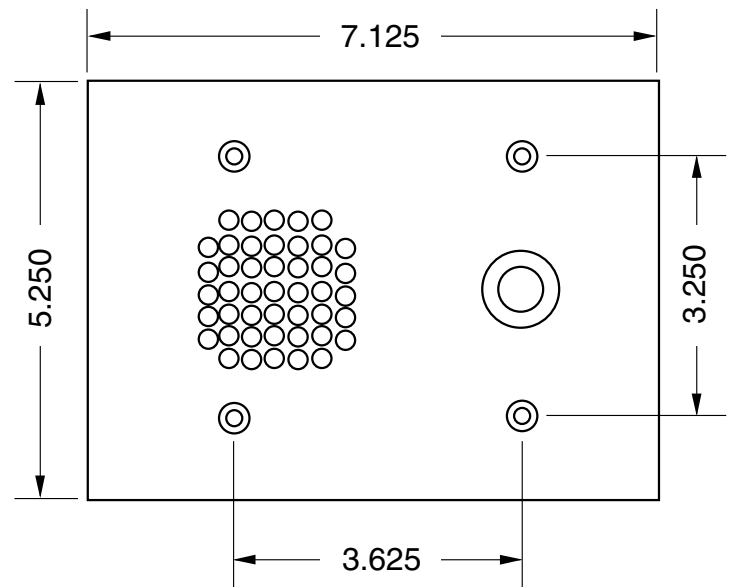
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 SINCE 1897

INTERCOM STATION

SIC300 SECURITY INTERCOM STATION WITH CALL-IN SWITCH

TECHNICAL SPECIFICATIONS

- **SPEAKER:**
2-1/2" (6.4cm) Mylar cone, 8 ohm impedance
- **Speaker matching transformer**
0.5, 1 and 2 watt taps at 25V and 0.5, 1, 2 and 4 watt taps at 70.7V
- **SWITCH:**
Pushbutton, momentary, one form "C" dry contact
- **FACEPLATE GRILLE:**
11 gauge stainless steel
- **DIMENSIONS:**
7-1/8" (18.1 cm) wide by 5-1/4" (13.3 cm) high and 2-3/8" (6 cm) deep
- **NET WEIGHT:**
Approximate shipping weight 3 lbs. (1.4 kg)
- **BACKBOX:**
Standard three gang masonry 2-1/2" deep



SECUR-PAK SYSTEMS**Maximum Security****2150 PEDESTRIAN SWING GATE SYSTEM**

The 2150 Pedestrian Swing Gate System allows gatekeepers the safe, secure movement of inmates with minimal maintenance required.

FUNCTION:

This system is isolated from the fence-line and commonly used when perimeter fence alarm systems are employed as a separate entrance for all pedestrian access in accordance with Industry Standards (UL 325).

DURABLE:

Constructed from 10 gauge hot dip galvanized.

SECURE:

Fully assembled at the factory and shipped to the project site ready for installation. The controlled swinging motion of this pedestrian gate system assures continual lock alignment with minimal maintenance required.

VERSATILE:

The 2150 Swing Gate Systems are offered in 42", 48" and 60" clear opening x 84" clear height. The gate panel configurations may include cuff or shackle ports.

SAFETY:

UL 325 regulations require a separate entrance for all pedestrian access. Prevents liability associated with allowing pedestrian traffic to enter through a vehicle sallyport.

**2150 PEDESTRIAN SWING GATE SYSTEM****TECHNICAL DATA:****GATE SIZES:**

Standard gate opening widths 42", 48" and 60" with an 84" clear height.

FRAME:

10 gauge galvanized steel.

HINGES:

Hinges shall have a door thrust capacity of 600 lb per pair

LOCK:

Locking may consist of an electro-mechanical lock, padlock or mechanical lock

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SECUR-PAK SYSTEMS Maximum Security

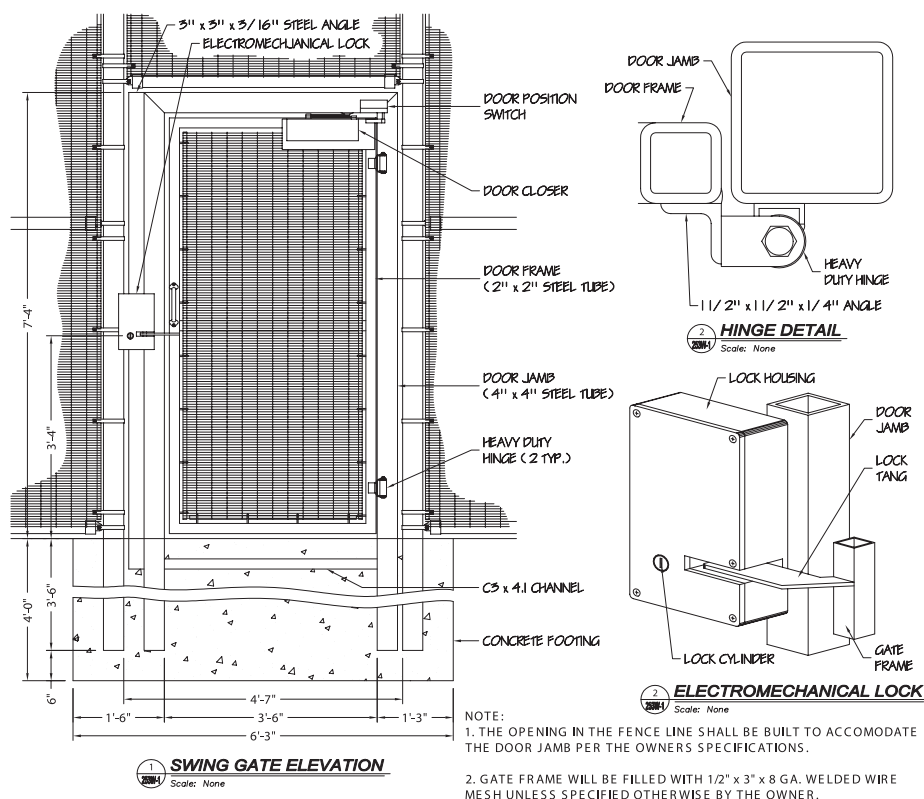
2150 PEDESTRIAN SWING GATE SYSTEM

STANDARD FEATURES:

- 1/2"x3"x8" gauge weld mesh
- Required mesh fittings
- Door closer
- Hinges
- Door position switch with electric locks
- 6 tumbler parecentric keying
- Southern Steel 1050 series Electro-mechanical lock, padlock or mechanical lock

OPTIONAL FEATURES:

- Remote control panel
- Door Pull
- Card reader, intercoms, cameras, keypads and other access control equipment as needed
- Cuffports or shackleports
- Custom color coated to match fence
- Special keying
- Chain Link, ornamental or expanded metal gate panel filler



SECUR-PAK SYSTEMS**Maximum Security****2200A PEDESTRIAN SWING GATE SYSTEM**

The 2200A Pedestrian Swing Gate System is manufactured to meet demanding requirements of maximum security and to provide the safe, secure movement of inmates with minimal maintenance.

FUNCTION:

Designed for use on pedestrian entrances in a perimeter security fence. System is equipped with Southern Steel 1050 electro-mechanical lock. A remote switch activates the electric lock. In the event of an emergency, lock is keyed both sides with paracentric key manual operation.

DURABLE:

Constructed from 10 gauge hot dip galvanized steel.

SECURE:

Fully assembled at the factory and shipped to the project site ready for installation. The controlled swinging motion of this pedestrian gate system assures continual lock alignment with minimal maintenance required.

VERSATILE:

The 2200A Swing Gate Systems are offered in 42" and 60" clear opening x 84" clear height.

SAFETY:

UL 325 regulations require a separate entrance for all pedestrian access. Prevents liability associated with allowing pedestrian traffic to enter through a vehicle sallyport.

**2200A PEDESTRIAN SWING GATE SYSTEM****TECHNICAL DATA:****GATE SIZES:**

Standard gate opening widths 42" and 60" with an 84" clear height.

FRAME:

10 gauge galvanized steel.

HINGES:

Hinges shall have a door thrust capacity of 600 lb per pair

LOCK:

Locking may consist of an electro-mechanical lock or mechanical lock

GATE PANEL FILLER:

Galvanized 2" x 2" x 3/8" woven rod mesh.



SECUR-PAK SYSTEMS Maximum Security

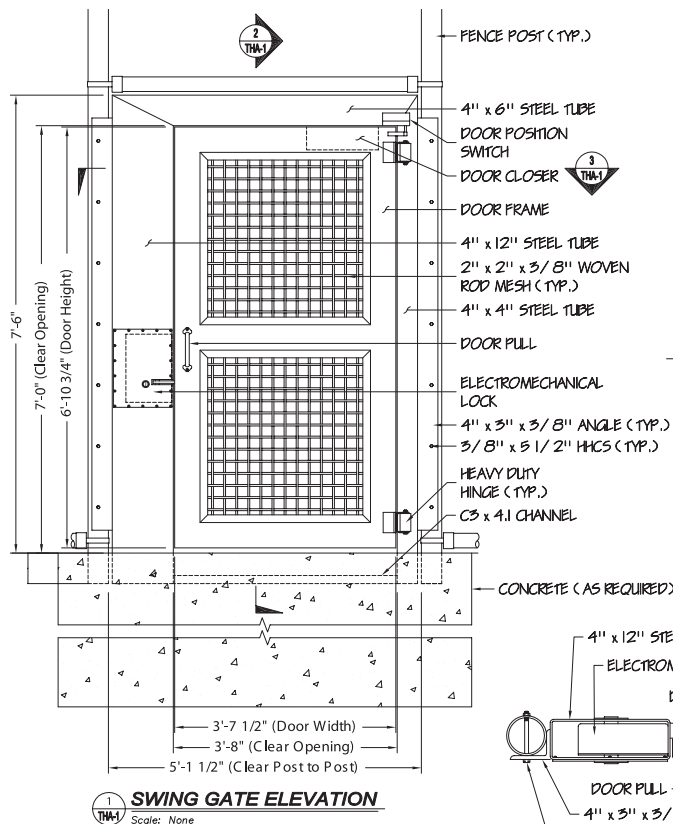
2200A PEDESTRIAN SWING GATE SYSTEM

STANDARD FEATURES:

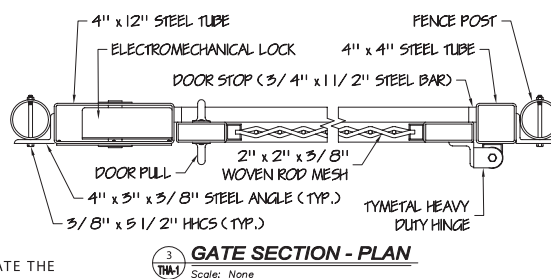
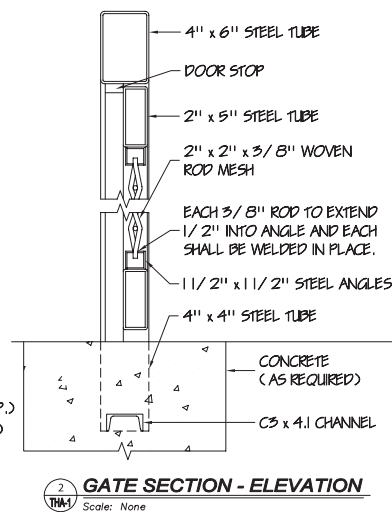
- 2"x2"x3/8" woven rod mesh
- Door closer
- Hinges
- Door position switch with electric locks
- 6 tumbler parecentric keying
- Southern Steel 1050 series Electro-mechanical lock or mechanical lock
- Door pull

OPTIONAL FEATURES:

- Remote control panel
- Card reader, intercoms, cameras, keypads and other access control equipment as needed
- Special keying



NOTE:
THE OPENING IN THE FENCE LINE SHALL BE BUILT TO ACCOMMODATE THE DOOR JAMB PER THE OWNERS SPECIFICATIONS.



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SECUR-PAK SYSTEMS

Maximum Security

3100 PEDESTRIAN
SLIDING GATE SYSTEM3100 PEDESTRIAN
SLIDING GATE SYSTEM

The 3100 Pedestrian Sliding Gate System is designed for safe, secure movement of inmates.

FUNCTION:

A remote switch activates a motor that raises a vertical lock bar and propels the gate open or closed.

DURABLE:

This system is fully assembled at the factory and shipped to the project site ready for installation. The required gate/door panel is generally included and installed on the system. The assembled system is factory tested before shipment.

SECURE:

10 gauge galvanized steel fully protects both the drive and locking assemblies against inclement weather and tampering. The 3100 mechanically deadlocks the gate panel in both the open and closed position at two points internally.

ACCESSIBLE:

If the unit must be opened manually, access covers are provided on both sides of the gate and locked with five tumbler paracentric key deadbolt locks.

ENGINEERED:

Southern Steel offers a complete line of Computer Aided Design (CAD) services from the conceptual stages of your project to the final submittal drawings.

**TECHNICAL DATA:**

GATE SIZES: Standard gate opening widths 3'-9⁹/₁₆" for 3100-4 or 4'-10¹/₁₆" for 3100-5 and 84" in height.

ELECTRICAL: MOTOR 1/4 HP 208/220 VAC or 460 VAC Three Phase 110 or 220 VAC Single Phase

CONTROL WIRING: 110 VAC

MOTOR HOUSING: 10 gauge galvanized steel containing NEMA 4 electrical enclosure; all components meet the requirements of UL. Access doors are equipped with 6 tumbler paracentric mechanical lock.

GATE PANEL: Fabricated from 2" square hot dip galvanized steel 1/2" x 3/8" gauge weld mesh as filler mesh.

DOOR JAMB/VERTICAL MEMBERS: Gate panel shall be free of hooks or lugs used for locking or any other purpose.



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SECUR-PAK SYSTEMS Maximum Security

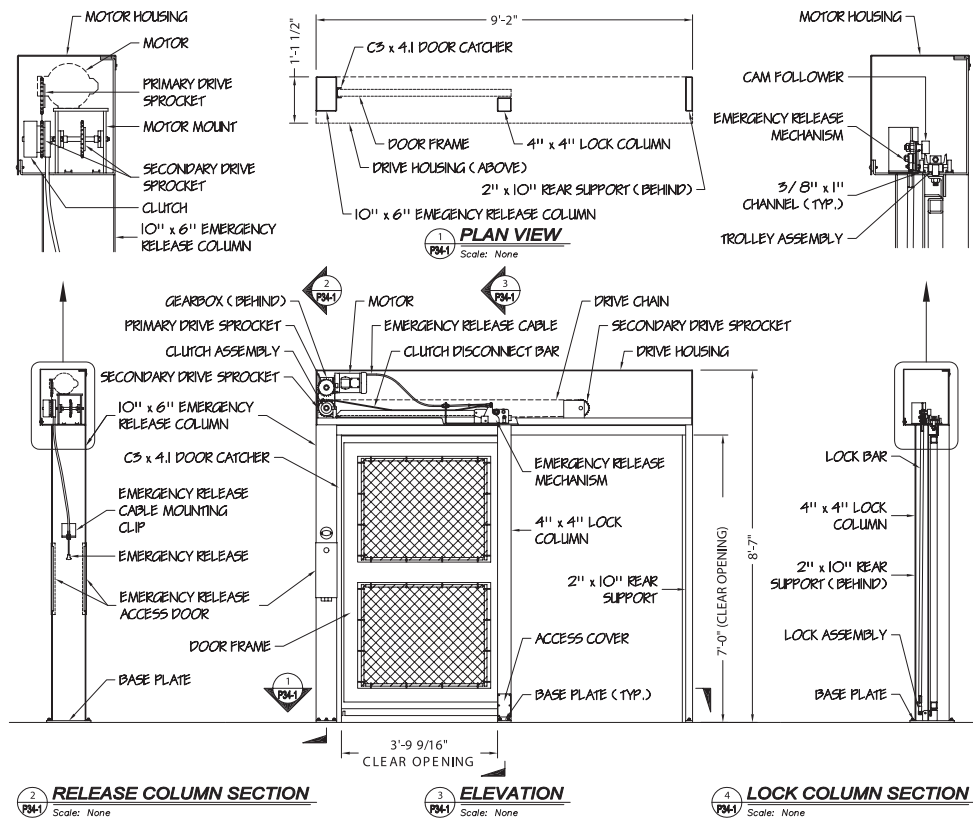
3100 PEDESTRIAN SLIDING GATE SYSTEM

STANDARD FEATURES:

- 208/220 VAC Three-Phase
- Easy-to-reach mechanical operation and maintenance access
- Enclosed drive with internal locking of the gate in both the open and closed position.
- Six tumbler paracentric key motor box and manual release locks

OPTIONAL FEATURES:

- Remote control panel
- 460 VAC 60Hz three phase power
- 110 or 220 VAC 60Hz single phase power
- 50 Hz motors provide for international projects
- Photo eyes
- Card readers, cameras, intercoms, key pads and other access control equipment as needed
- Special keying



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SECUR-PAK SYSTEMS

Maximum Security

4400 FORTIFIED IMPACT
GATE SYSTEM-FIGS4400 FORTIFIED IMPACT
GATE SYSTEM-FIGS

Designed to deter vehicular threats to personnel and property. Also protects against unauthorized pedestrian traffic. The only certified vehicle gate that is crash tested for openings up to 288" (24') based on the U.S. Department of State vehicle crash performance guidelines.

CERTIFICATION:

The 4400 is certified by the United States Department of State (DOS) as an active anti-ram vehicle barrier.

COMPONENTS:

Mounted to the gate frame is the fortifying member, which consists of structural steel tubing housing one-inch cables, precast concrete anchors and a cast in place connection beam. When the gate system is fully closed, the precast anchors are engaged by specially designed locking mechanisms that lock the fortifying member in place.

PROTECTION:

The action of the locking mechanism interconnects the gate frame, fortifying member, concrete anchors and connecting concrete beam into single utilized protection system capable of restraining the encroaching vehicle to a predetermined crash rating.

PERFORMANCE:

Fortified Impact Gate System (FIGS) was physically crash tested in November 2002, received a DOS rating of K4/L3 currently designated K4 (15,000 lb vehicle @ 30 miles per hour) limiting vehicle penetration to 8". The FIGS was also crash tested @ 50 miles per hour, limiting penetration of a 15,000 lb vehicle to 18 feet 9 inches.

The combination of an independently tested, DOS certified gate and a gate with opening spans of up to 24 feet is unmatched in the industry.



TECHNICAL DATA:

GATE SIZES: Standard gate opening width 10' to 24' with 1' increments and gate panel height of 4' to 16' with 1' increments.

ELECTRICAL: Variable speed controller with a 1 HP, 208, 230, VAC single-phase 208, 203 VAC three-phase.

CONTROL WIRING: 110 VAC

GEAR BOX HEATER: Self-contained electrical wiring. Feeds off main power connection.

MOTOR HOUSING: 10 gauge galvanized steel containing NEMA 4 electrical enclosure, all components meet the requirements of UL. Access doors are equipped with 6 tumbler paracentric mechanical lock.

SUPPORT STRUCTURE: Either overhead or cantilever sliding gate system.

CONTROL WIRING: 24 VAC

DRIVE CHAIN: #50 roller chain



SECUR-PAK SYSTEMS

Maximum Security

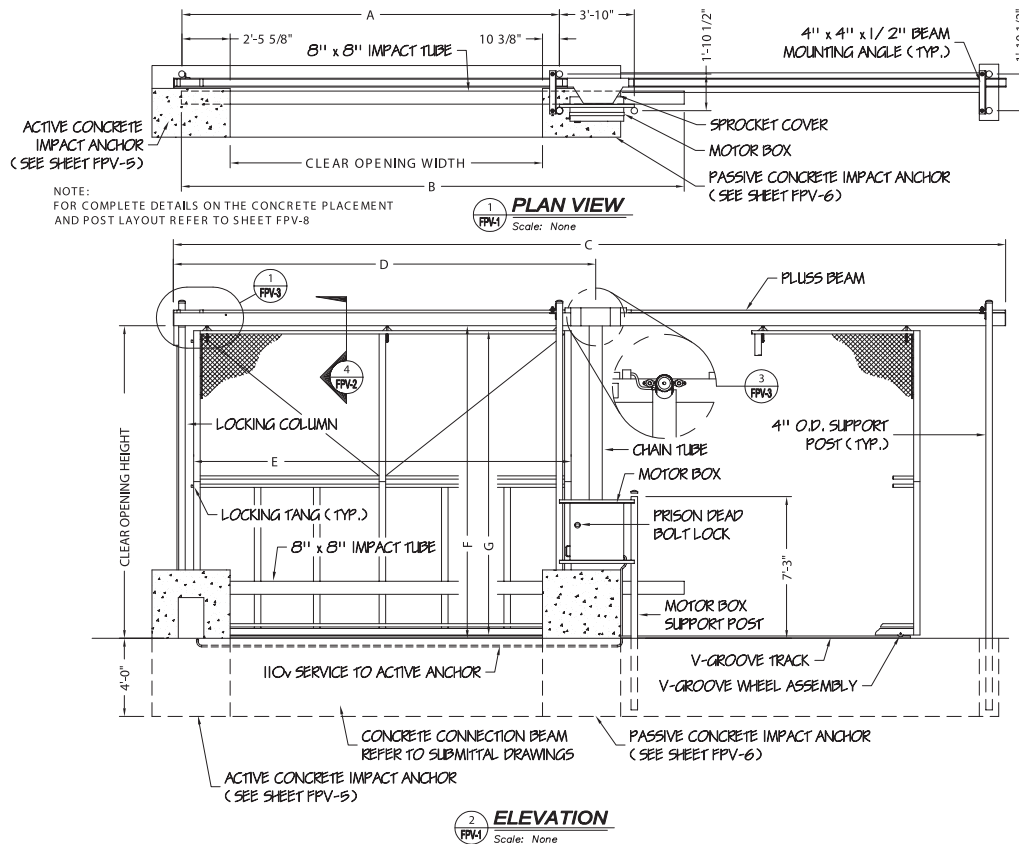
4400 FORTIFIED IMPACT GATE SYSTEM-FIGS

STANDARD FEATURES:

- 208 VAC Three-Phase
- Easy-to-reach mechanical operation and maintenance access
- Six tumbler paracentric key motor box locks
- Manual hand cranking
- Gate sizes 10'-24' wide, 4' to 16' gate panel height
- Rebar pre-fabricated and ready for installation.
- U.S. Department of State Crash Tested

OPTIONAL FEATURES:

- Remote control panel
- 230 VAC 60Hz three phase power
- 280 or 230 VAC 60Hz single phase power
- 50 Hz motors provided for international projects
- Custom gate configuration
- Photo eyes, safety edge
- Card readers, key pads intercoms, free exit loops, other access control equipment as needed
- Special keying



Detention Equipment by
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SECUR-PAK SYSTEMS

Maximum Security

4500 RAM BARRIER

4500 RAM BARRIER

This system offers enhanced sallyport protection against unwanted vehicles.

FUNCTION:

System is manually operated.

LOCKING:

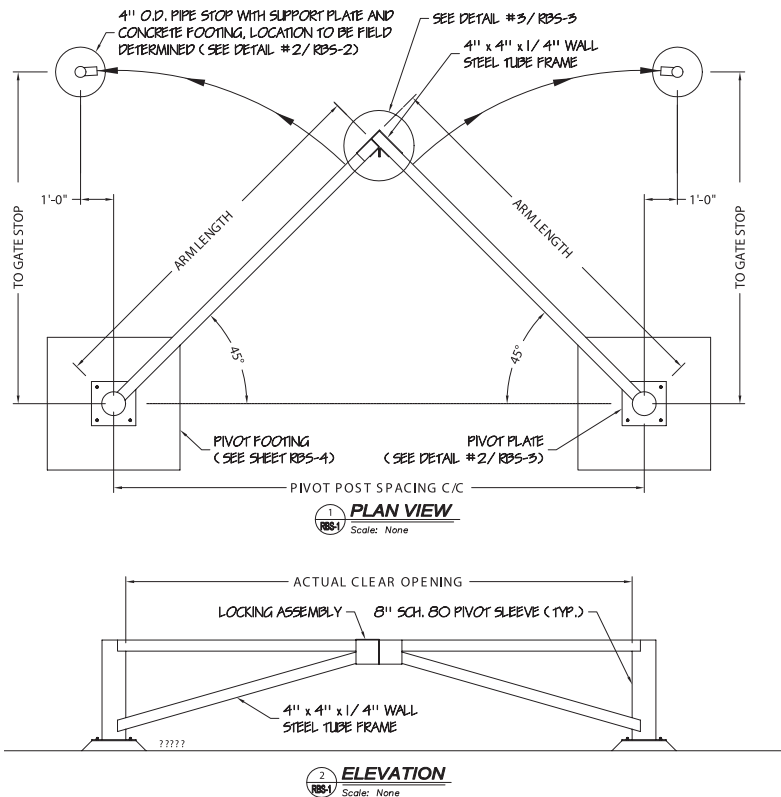
When in the fully closed position system is pad lockable.

COMPONENTS:

System is shipped complete, including all required rebar that will be preformed (cut and bent) to expedite the installation process.

REFERENCE:

The 4500 Ram Barrier meets Federal Bureau of Prisons Design Guidelines.



TECHNICAL DATA:

- Up to 16' wide (maximum width)
- Two 4" x 4" x 1/4" wall steel tube frame
- Pivots 45 degrees to open
- Secured in center by locking tangs that can also be padlocked for additional security when the sallyport is not in use.
- Pivot posts held securely in place by two reinforced concrete footings.
- Rebar and two 4" OD support posts are provided to support this device in the open position.



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SECUR-PAK SYSTEMS

Maximum Security

9100A VEHICLE GATE OPERATOR

The 9100A Operator is designed for use on vehicular entrances in a perimeter security fence.

FUNCTION:

A remote switch activates a motor which raises a vertical lock bar and propels the gate open or closed.

MECHANICAL:

In an electrical emergency, the gate is manually unlocked and propelled open by use of a hand crank located in the motor box.

SAFETY:

The 9100 gate operator meets current UL 325 requirements for Class IV (Guarded Applications). Primary entrapment protection is provided by constant pressure pushbutton controls with the audio alarm establishes the secondary safety device to meet UL 325 safety requirements. Additionally, the gate operator is UL listed for Class III.

SECURE:

Sallyport locking system that features a keyless three-point positive locking capability making it impossible to open gate except by electrical operation or emergency hand-cranking.

SERVICABLE:

Motor assembly is located at ground level providing easy access for routine inspection of the motor unit and limit assembly.

DURABLE:

The entire drive and locking assemblies are encased in a 10 gauge hot-dip galvanized steel enclosure providing superior protection from inmate tampering and inclement weather conditions.

9100A
VEHICLE GATE OPERATOR**TECHNICAL DATA:**

- **GATE SIZES:**
Standard gate clear opening width 12' to 30' with 1' increments and 14' to 18' clear height with 1' increments
- **ELECTRICAL:**
Electro-mechanical (non-solid state) Controller, motor 1 HP, 110, 120 Volt 60Hz, Single Phase – 208/230, 460 Volt 60Hz, Three-Phase. Variable Speed Controller, motor 1 HP, 208, 230 Volt Single-Phase – 208, 230 Volt Three-Phase. This electrical package offers gate speeds up to 2.2 feet per second.
- **CONTROL WIRING:**
24 Volt
- **GEAR BOX HEATER:**
110 Volt electrical service providing power directly to thermostat controlling the internal gearbox heater
- **MOTOR BOX HOUSING:**
10 gauge galvanized steel containing NEMA 4 electrical enclosure meeting the requirements of UL and equipped with a 6 tumbler paracentric mechanical lock.
- **OVERHEAD TRACK:**
Two 8" (2.03 mm) structural steel channels joined together weighing a total of 34.5 lbs/ft (15.65kg/m).
- **GATE TROLLEYS:**
Milled from a single block of stainless steel and use 2 sealed ball bearings per wheel, 6 wheels per trolley.
- **SUPPORT STRUCTURE:**
4" OD schedule 40 pipe
- **LOCKING COLUMN:**
W-4 "H" beam @ 13 lbs/ft (101.6 mm x 18.9 kg/m)
- **DRIVE CHAIN:**
#60 roller chain

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SECUR-PAK SYSTEMS Maximum Security

9100A VEHICLE GATE OPERATOR

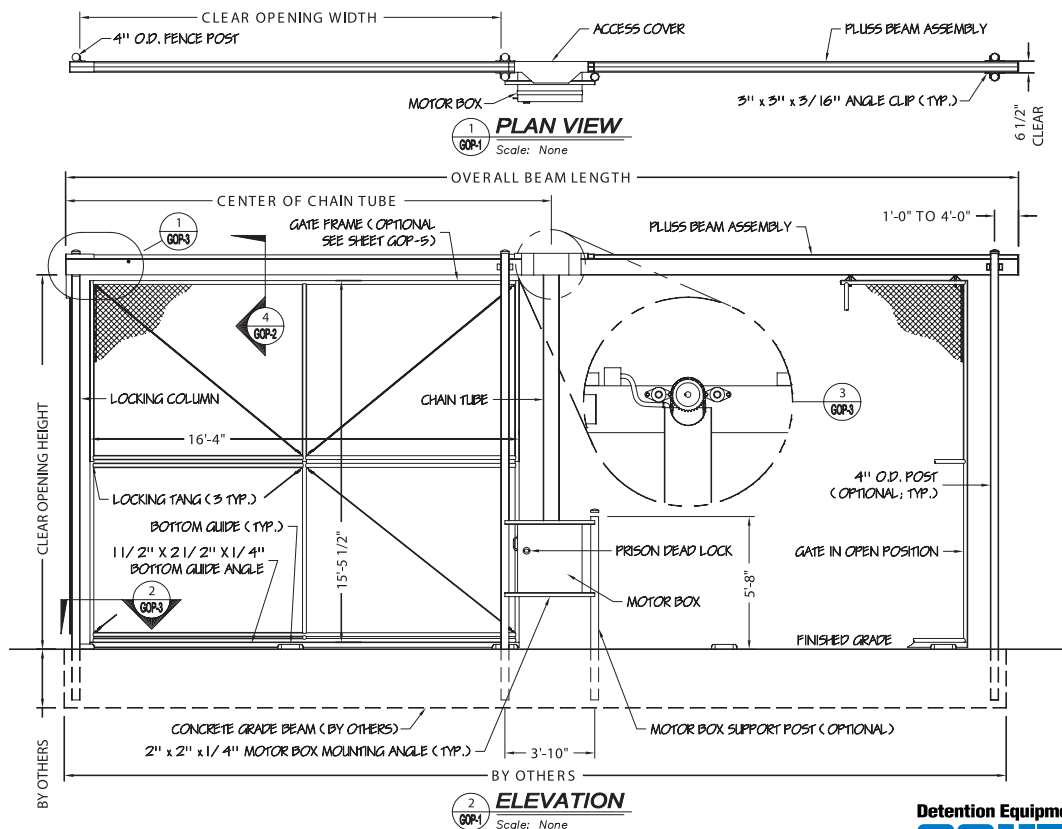
STANDARD FEATURES:

- Six tumbler paracentric key motor box locks
- 208 VAC Three-Phase
- Easy-to-reach mechanical operation and maintenance access
- Three-point locking
- Enclosed drive
- Manual hand cranking
- Gate sizes 12'-30' wide, 14' to 18' high
- Gear box heater: 110 Volt electrical service providing power directly to thermostat controlling the internal gearbox heater

OPTIONAL FEATURES:

- Remote control panel
- 110 or 220 Volt 60Hz single-phase power
- 460 Volt 60Hz three-phase power
- 50 Hz motors are offered for international projects
- Custom Gate openings
- Photo eyes and/or safety edges
- Special keying

NOTE: The optional features will increase lead time. Also, additional charges will apply depending on application.



Detention Equipment by
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SECUR-PAK SYSTEMS**Maximum Security****9200 VERTICAL GATE SYSTEM**

The 9200 Vertical Lift Gate System is used for vehicular entrances with no space to retract a horizontal side gate without hitting an obstacle. This system provides complete vertical lift gate solutions for openings up to 50 feet in opening width.

FUNCTION:

A remote pushbutton control activates the motor which and propels the gate.

MECHANICAL:

In an electrical emergency, the gate is manually propelled open by use of a hand crank located in the motor box.

SAFETY:

The 9200 Vertical Lift Gate System meets current UL 325 requirements for Class III and IV. Constant pressure pushbutton controls or photo eye provide the primary entrapment protection, depending on the UL classification. The audio alarm is established as the secondary safety device to meet UL 25 safety requirements.

SECURE:

Vertical Lift Gate Systems are designed to make it impossible to open the gate except by electrical operation or emergency hand-cranking.

SERVICABLE:

Motor assembly is located at ground level providing easy access for routine inspection of the motor unit and limit assembly.

DURABLE:

Heavy-duty superstructure and highly engineered chain drive mechanism assures smooth and precise up-and-down movement.

9200 VERTICAL LIFT**TECHNICAL DATA:**

- **GATE SIZES:**
Standard gate clear opening width 10' to 50' with 1' increments and 6' to 16' gate panel height with 1' increments and a clear opening height up to 16' high.
- **ELECTRICAL:**
Variable Speed Motor 1 HP, 208, 230 VAC Single-Phase 208, 230 VAC Three-Phase
- **GEAR BOX HEATER:**
Self contained electrical wiring feeds off main power connection to operate thermostat controlled heater.
- **MOTOR BOX HOUSING:**
10 gauge galvanized steel containing NEMA 4 electrical enclosure meeting the requirements of UL and equipped with a 6 tumbler paracentric mechanical lock.
- **SUPPORT STRUCTURE:**
Two W12 x 53 support columns with integral motor box and counterweights.
- **GATE PANEL:**
Fabricated from 6063-T6 aluminum alloy extrusions- constructed (sized) to meet the specific project requirements. Gate panels may be sloped to meet specific site conditions. Contact the manufacturer for technical assistance. Panel filler may consist of chain link mesh, ornamental finish or weld mesh.
- **CONTROL WIRING:**
24 VAC
- **DRIVE CHAIN:**
#60 roller chain

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SECUR-PAK SYSTEMS Maximum Security

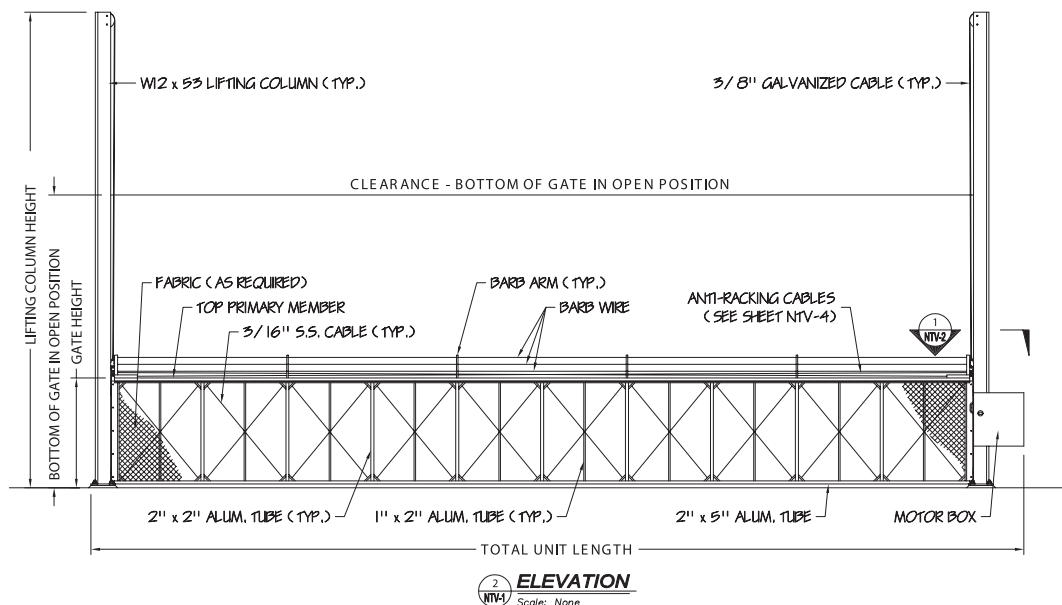
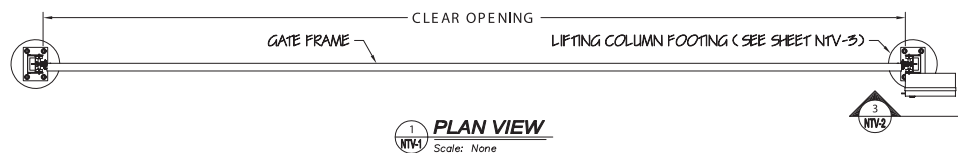
9200 VERTICAL LIFT GATE SYSTEM

STANDARD FEATURES:

- 208 VAC Three-Phase
- Easy-to-reach mechanical operation and maintenance access
- Six tumbler paracentric key motor box locks
- Enclosed drive
- Manual hand cranking
- Gate sizes 10'-50' wide, 6' to 16' gate panel height with clear opening up to 16'
- Knocked down rebar cage
- Gate panel

OPTIONAL FEATURES:

- Remote control panel
- 230 VAC 60Hz three-phase power
- 208 or 230 VAC 60Hz single-phase power
- 50 Hz motors provided for international projects
- Gate panel custom color coating to match fence
- Photo eyes, safety edge
- Card readers, key pads, free exit loops other access control equipment as needed
- Special keying



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PARACENTRIC CYLINDER AND KEY

APPLICATION:

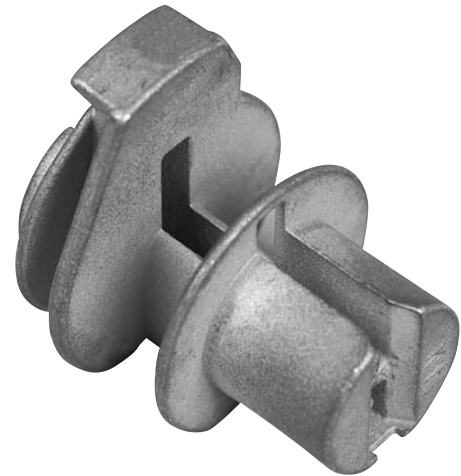
Southern Steel manufactures a complete line of high-quality, detention-type locks using paracentric lever tumbler cylinders. The cylinders are cast bronze and are operated by paracentric key. Master keying is not available for locks with paracentric cylinders.

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



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



Detention Equipment by
SOUTHERN STEEL
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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**

Detention Equipment by
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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

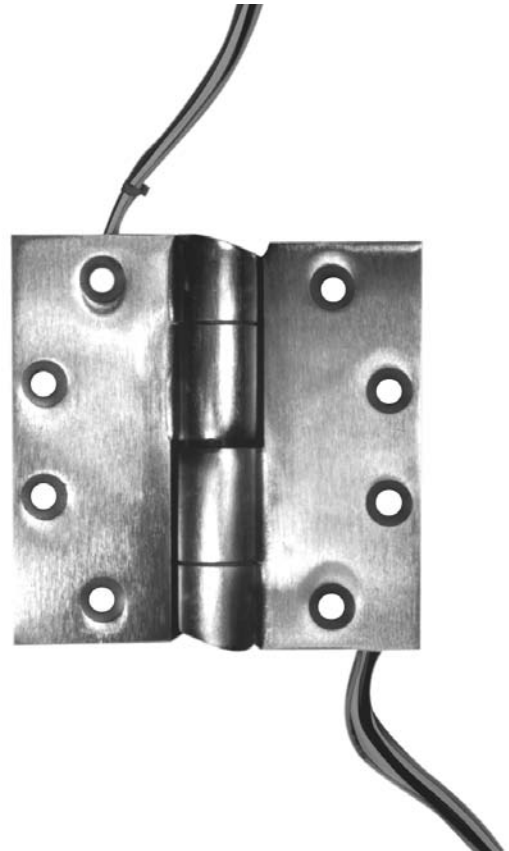
APPLICATION:

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

204E ELECTRIC POWER TRANSFER HINGE



Detention Equipment by
**SOUTHERN
 STEEL**
 SINCE 1897

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.

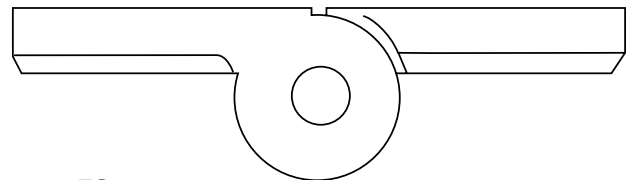
These hinges are drop forged of mild steel and feature heavy-duty thrust bearings, completely concealed and protected from tampering. Extremely strong and durable, one pair will support a standard plate door measuring 2'4" x 7'0" and weighing 250 pounds. Larger or heavier doors require a third hinge.

TECHNICAL DATA:

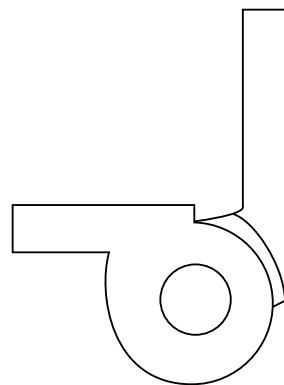
- SIZE:
 5" H x 5-3/4" W x 1/2" TK (205FS)
- WEIGHT: 7.25 lbs.
- PIN SIZE: 3/4" diameter
- HINGE LEAVES:
 Steel, with 1 oiling hole
- HINGE PIN AND THRUST BEARINGS: Cold-rolled, case-hardened steel

OPTIONS:

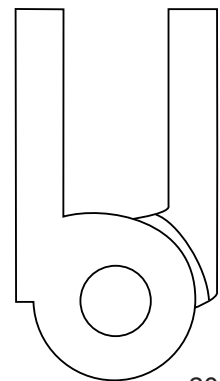
Hinges can be special-ordered with holes drilled to specifications if required. Contact Southern Steel for more details.



205FS



205HS



205GP



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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

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:

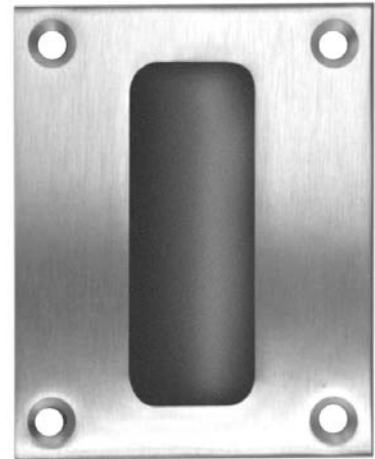
An attractive, brass knob pull for light traffic areas where a fixed knob is required. Provided with security fasteners.

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



Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

ESCUTCHEON AND CYLINDER SHIELD

ESCUTCHEON

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:

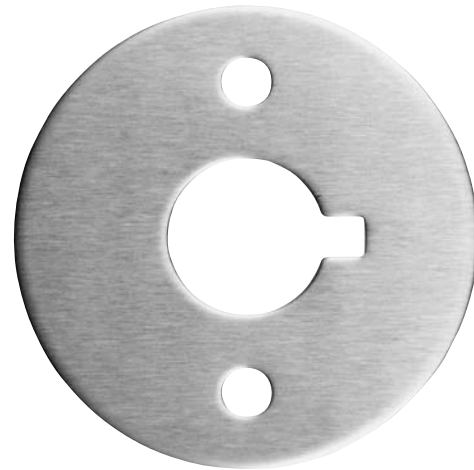
- FINISH: US26D
- MATERIAL: Brass
- SIZE: 2-1/4" H x 2-5/8" W x 3/4" TK
- WEIGHT: .5 lb.

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



218-1 shown

CYLINDER SHIELD



219M shown



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:

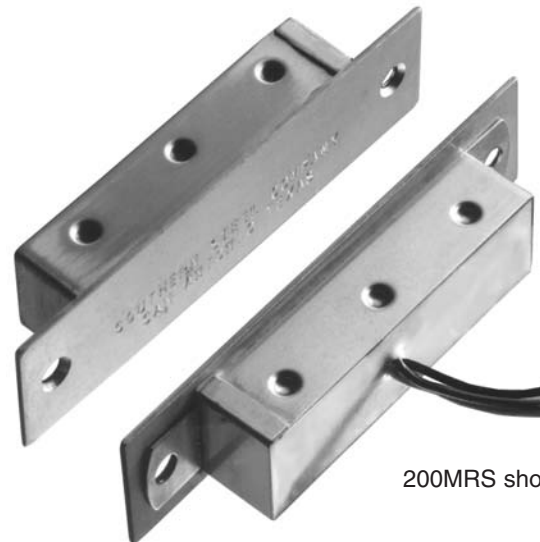
The 220A switch actuates a remote lamp indicator or an audible signaling device the moment a swinging door is moved from the fully-closed position. Enclosed in a 10 gauge galvanized steel housing, the 220A is designed for installation on the door frame above the top hinge. A pivoting operator that actuates 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



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:

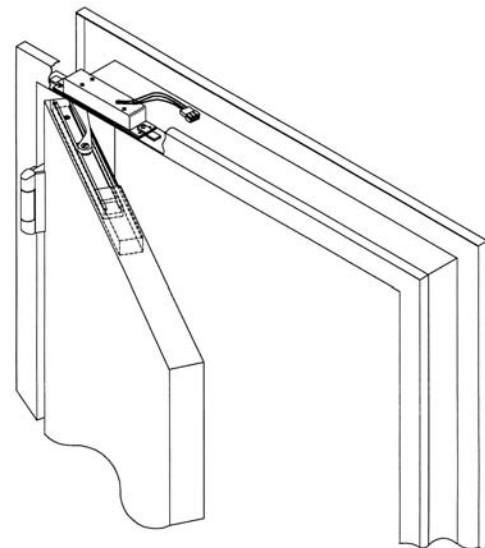
- Handed, Specify LH or RH
- 180° maximum swing
- 12" long, 16 AWG UL wire leads with plug connector
- An eccentric stud on the control arm provides a fine adjustment for varying conditions

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:

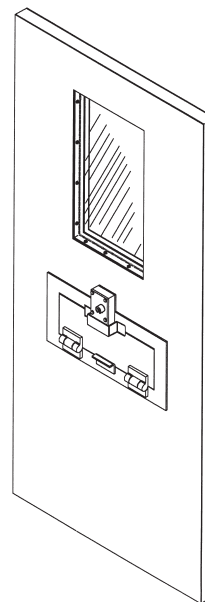
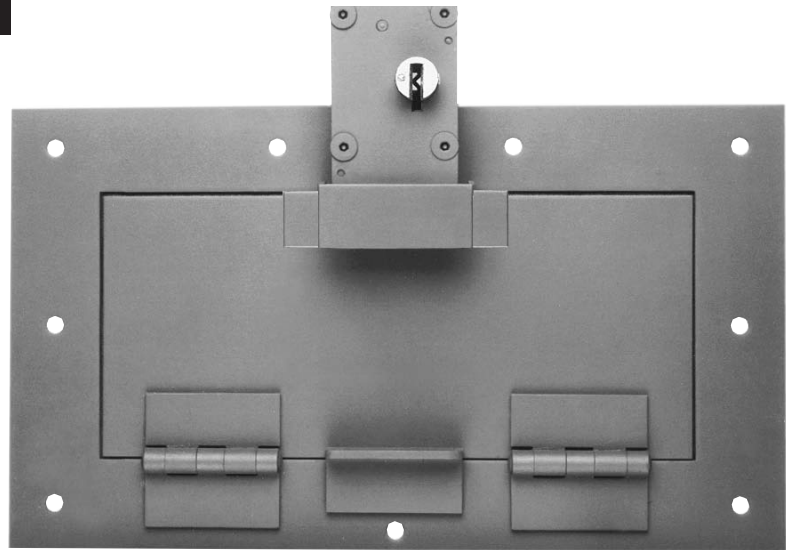
- 1017A snaplatch
- Two hinges

OPTIONAL FEATURES:

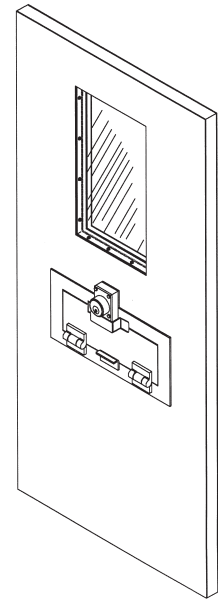
- 1010A deadlock (Specify 262 x 1010A)
- 1010AM deadlock (Specify 262 x 1010AM)
- 1017AM snaplatch (Specify 262 x 1017AM)
- 1017AT snaplatch with thumbturn only (Specify 262 x 1017AT)

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.



Detention Equipment by
**SOUTHERN
STEEL**
SINCE 1897

**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



Detention Equipment by
**SOUTHERN
 STEEL**
 SINCE 1897

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

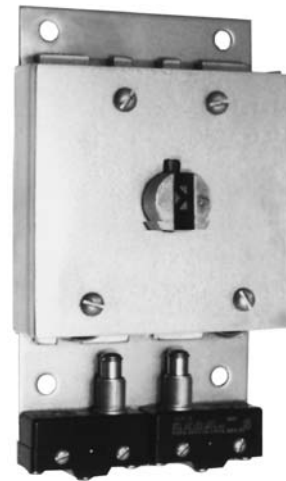
USAGE: Extra heavy-duty keyswitch for sliding door locking device. Galvanized finish. Utilizes paracentric key and cylinder. Specify one or two way keying.

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:

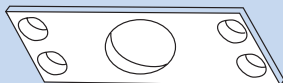
- STANDARD FINISH: Galvanized
- COVER: Cold-rolled steel plate
- CASE: Ductile iron
- LOCK BOLT: Cold-rolled steel
- SPANNER KEY: Cold-rolled steel
- SIZE: 5-3/8" H x 2-3/4" W x 1-7/8" TK
- WEIGHT: 5.5 lbs.
- BOLT SIZE: 1" Diameter
- BOLT THROW: 3/4"

10105R FLOOR RECEPTACLE

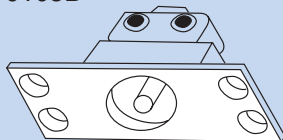
- SIZE: 3" H x 1-5/8" DIA x 1-5/8" sq. Base
- WEIGHT: 2.25 lbs.

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

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.

LOCK MOUNTINGS



HM – Mounting for Hollow Metal Doors



P – Mounting for Plate Doors



G – Mounting for Grating Doors

SAFETY MIRRORS

432 MIRROR

SIZE:

17-1/4" H x 11-1/4" W x 1/4" TK

Stainless steel face plate is polished to a mirror finish which approximates that of glass. One piece formed mirror and frame mount directly to wall. Mirrors are designed to accept 1/4-20 flat-head security fasteners.

OPTIONS:

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

SECURITY ONE-PIECE SAFETY MIRRORS



Detention Equipment by
SOUTHERN STEEL
 SINCE 1897

TABLES AND SEATS

TABLE/BENCH UNIT



Model 511-8 shown
Field assembly required

510 TABLE/BENCH UNIT

SIZE: 4' 2" W x 2' 11" H x Specified Length
(FOR A 4-PERSON UNIT)

WEIGHT: SEE BELOW

These "picnic" type tables with cantilevered benches are built to take heavy-duty dayroom use. Tops and benches are constructed of 10 gauge steel plate with edges neatly flanged and smoothly finished. Vertical supporting members are 7 GA formed steel channels, securely braced and welded. Seat supporting members are 2" x 3" x 3/16" angle.

Specify as follows for 4, 6 and 8-person units:

510-4 (242 LBS., 4'0" LONG)

510-6 (307 LBS., 6'0" LONG)

510-8 (428 LBS., 8'0" LONG)

NOTE: Available with 12 gauge stainless steel tops and 16 gauge stainless steel benches. Specify "511-4," "511-6," or "511-8."

512 WALL-MOUNTED TABLE & SEAT

TABLE SIZE: 1'6" D x 1'6" W x 6" H

SEAT SIZE: 1'0" D x 1'6" W x 6" H

WEIGHT: 57 LBS.

Wall-mounted table and seat units are fabricated from 10 gauge steel plate, flanged 2" on front and back with tapered side gussets 6" long at back. Anchor bars for concrete or masonry walls can be supplied by special order.



518 PEDESTAL TABLE/SEAT UNIT

SIZE: 3' 4" W x 2' 6" H x Specified Length
(FOR 4-PERSON UNIT)

WEIGHT: SEE BELOW

The 518 Pedestal Units provide a more attractive appearance and relaxed atmosphere than the traditional cafeteria-style table/bench fixtures. Tops are 10 gauge steel, seats are 11 gauge. Edges are neatly flanged and smoothly finished. Supporting members are 3" and 4" square tubes, 3/16 thick. Two vertical pedestals and base plates are provided for the 518-6, and for the 518-8. Specify as follows for 4, 6 or 8-person units:

518-4 (215 LBS., 3'4" LONG)

518-6 (387 LBS., 5'4" LONG)

518-8 (546 LBS., 7'4" LONG)

NOTE: Available with 12 gauge stainless steel tops and 16 gauge stainless steel seats. Specify "519-4," "519-6," or "519-8."

PEDESTAL TABLE/SEAT UNIT



Model 519-4 shown
Field assembly required



WALL-MOUNTED STOOL AND DESK

520 FLOOR-MOUNTED STOOL

SIZE: 1' 6" H x 1' 0" Diameter Seat
WEIGHT: 18 LBS.

Designed for use wherever fixed seating is desired. The seat top is 11 gauge standard steel, neatly flanged down 1-1/2" and welded to a 2-3/8" DIA black iron pipe support.

NOTE: Available with 16 gauge stainless steel seat. Specify "521."

522 WALL-MOUNTED STOOL

SIZE:
1' 8-1/2" Overall Length x 1' 0" Diameter Seat
WEIGHT: 26 LBS.

The 11 gauge steel seat swivels out of the way when not in use on a 3/8" x 4" steel bar arm Wall bracket is designed to be welded to an embedded plate or directly to a steel wall.

NOTE: Available with 16 gauge stainless steel seat. Specify "523."

540 INSTITUTIONAL DESK

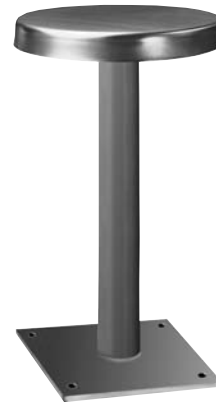
SIZE: 3' 0" W x 2' 6" H x 1' 3-1/2" D
WEIGHT: 136 LBS.

A strong, serviceable desk unit with integral swing-out seat, the 540 has ample surface area and two large storage shelves. A 10 gauge standard steel top is flanged 1-1/2" down at front, back and sides. Edges and corners are smoothly finished. A 15" galvanized towel bar is provided at one side. The 12" diameter stainless steel seat is supported by a 3/8" x 4" steel bar arm that swivels under desk when not in use. Sides and shelves are 10 gauge.

NOTE: Available with 16 gauge stainless steel top. Specify "541."

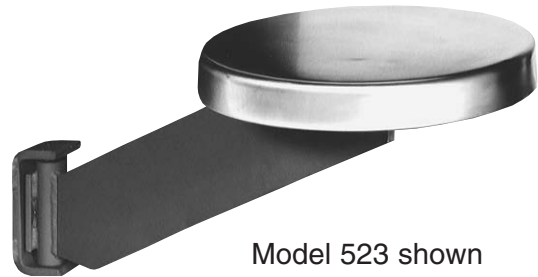


FLOOR-MOUNTED STOOL



Model 521 shown

WALL-MOUNTED STOOL



Model 523 shown

INSTITUTIONAL DESK



Model 541 shown

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

BUNKS

531 FREE-STANDING BUNK



Field assembly required.

531 FREE-STANDING BUNK

SIZE: 6'-3-7/8" L x 2' 3" W x 1' 4" H
WEIGHT: 132 LBS.

532 FREE-STANDING DOUBLE BUNK

SIZE: 6' 4-1/4" L x 2' 3" W x 5' 1" H
WEIGHT: 290 LBS.

Frame and legs are constructed of 2" x 2" x 3/16" steel angle securely welded at all connections. Bunk pan is 10 gauge steel plate, perforated for ventilation. Front side of pan is flanged down, eliminating the sharp edge found on most angle frame bunks. This feature makes the bunk a comfortable seat and facilitates cleaning of the pan. Punched pads are provided on each leg for floor anchorage.

On double unit, space between bunks is 2'11". Prime painted.

532 FREE-STANDING DOUBLE BUNK



Field assembly required.

535 WALL-MOUNTED BUNK

SIZE:
6' 3-3/8" L x 2' 3" W x 9" H
at mounting
WEIGHT: 120 LBS.

Construction of bunk pan is same as Model 531 Bunk, above. Pan is welded to 3/16" flanged plate wall brackets, providing 2" lip at head and foot. Exposed edges are rounded or returned. Rear edge is approximately 2" from wall when installed to accommodate bedding and eliminate difficult cleaning areas. Prime painted.

535 WALL MOUNTED BUNK

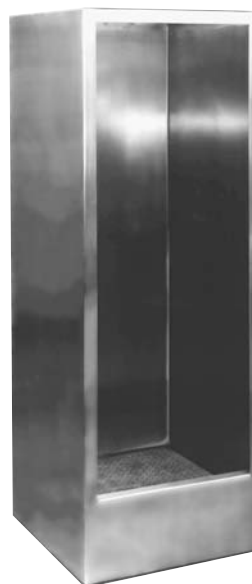


NOTE: All bunks are available in 6'-3" nominal length if required. Other sizes are available by special order.



SHOWER STALLS AND PRIVACY SHIELD

570 SHOWER STALL



Model 571 shown

570 SHOWER STALL (GALVANIZED)

SIZE:
2' 6-1/4" W x 2' 6-1/4" D x 7' 0" H
WEIGHT: 580 LBS.

This heavy-duty shower stall is a water-proof unit formed with 7 gauge steel plate walls and a 3/16" diamond pattern plate floor, securely welded and ground smooth. The entire unit is hot-dipped galvanized to protect against corrosion. The shower floor, which is raised 9" above the finished floor line, provides an anti-slip surface and a secure mounting for the heavy-duty, tamper-proof drain that is furnished with the unit. Plumbing fixtures are not included.

571 SHOWER STALL (STAINLESS STEEL)

SIZE:
2' 6-1/4" W x 2' 6-1/4" D x 7' 0" H
WEIGHT: 430 LBS.

This shower stall features the same rugged construction as the galvanized model; however, walls and floor are constructed of 11 gauge stainless steel.

573 PRIVACY SHIELD

SIZE: Per job requirements
WEIGHT: 130 LBS. (average)
HEIGHT: 7'0" standard

Privacy shields are constructed of 10 gauge perforated steel plate, securely welded to 2" x 2" x 3/16" angle supports. Plate shield extends from 1' 2" above finished floor level to a height of 5' 6". The top and bottom edges of the plate are finished with a 1/2" diameter steel bar to eliminate sharp edges and to provide reinforcement. Mounting pads for fastening to both floor and ceiling are provided. Prime painted.

573 PRIVACY SHIELD



PISTOL LOCKERS

600 PISTOL LOCKER

600 PISTOL LOCKER

SIZE: 1' 4" x 10" D x Length Required
(FOR A 3-COMPARTMENT LOCKER)
WEIGHT: 35 lbs.
(FOR A 3-COMPARTMENT LOCKER)

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

- 600-3: 3-compartment
- 600-6: 6-compartment
- 600-9: 9-compartment
- 600-12: 12-compartment



Model 600-12 shown

605 PISTOL LOCKER

605 PISTOL LOCKER (TILT-OUT)

SIZE: 1' 10-1/2" H x 6" D x Length Required
(FOR A 3-COMPARTMENT LOCKER)
WEIGHT: 48 LBS.
(FOR A 3-COMPARTMENT LOCKER)

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

- 605-3: 3-compartment
- 605-6: 6-compartment
- 605-9: 9-compartment
- 605-12: 12-compartment



Model 605-6 shown



GUN CABINETS, GUN & KEY CABINETS, KEY CABINETS

620 GUN AND KEY CABINET 621 GUN CABINET

SIZE: 2' 0-1/4" W x 4' 0" H x 1' 0" D
WEIGHT: 620: 192 LBS.
621: 202 LBS.

Constructed of 10 gauge steel plate, these cabinets are equipped to hold six rifles and a shelf constructed of 7/8" oak. The cabinet door is hung on two Model 201FS hinges and locked with a Model 1010A deadlock. A 1-1/8" diameter knob pull is provided. The Model 620 has 20 key hooks welded to the inside of the door, providing space for more than 100 keys. The Model 621 is furnished without key hooks.

622 KEY CABINET

(60 key capacity)

623 KEY CABINET

(180 key capacity)

624 KEY CABINET

(300 key capacity)

SIZE: 1' 4-5/8" W x 2' 0" H x 7" D
WEIGHT: 622: 73 LBS.
623: 93 LBS.
624: 115 LBS.

The pictured cabinet is a Model 622, which accommodates 60 keys in steel slots welded to the inside back of the cabinet. Capacity is increased to 180 keys by adding a hinged interior panel with key slots on both sides (Model 623).

Two hinged panels make it a 300-key cabinet (Model 624). These units are constructed of 10 gauge steel. Doors are hung on heavy-duty continuous hinges and locked with a Model 1010A-1 deadlock. Larger capacity cabinets are available on special order.



621 GUN CABINET



KEY CABINETS



Model 622 Shown

Detention Equipment by
SOUTHERN STEEL
SINCE 1897

GLOSSARY

ABBREVIATIONS

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

STANDARD FINISHES

USP	Prime Painted	US32	Polished Stainless Steel
US26	Polished Chrome Plated	US32D	Satin Stainless Steel
US26D	Satin Chrome Plated	GAL	Galvanized*

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

GENERAL

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

BOLTS

Cremona Bolt:

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

Extended Bolt:

Used for hollow metal or stop side mounting.

Head and Foot Bolt:

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

ELECTRONICS

AMP (Ampere):

Units of measurement of the rate of flow of electrical current.

Backplane:

Printed circuit board.

BUS:

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

Continuous Duty:

Device is designed to operate 100% of the time.

Interlock:

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

LED:

Light emitting diode.

Maintained Switch:

A switch that stays in the contact position when actuated and released.

Momentary Switch:

A switch which makes contact only while being actuated and held.

HINGES

Electric:

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

Food Pass:

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

Full Mortise:

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

Full Surface:

Hinge leaves which are both surface mounted on the door and the frame.

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

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

KEYS AND CYLINDERS

Mogul Cylinder: A pin tumbler cylinder that is approximately 2 inches in diameter. Designed to operate certain types of detention locks.

Mogul Key: Designed to activate the pin tumblers of a mogul cylinder.

Paracentric Cylinder: A cylinder designed to accept a bit key and operate with wafer tumblers.

Paracentric Key: A large bit type key that is normally used with maximum security detention locks using wafer tumblers to activate the lock mechanism.

Pin Tumblers: Small cylindrical-shaped pins used in the mogul cylinder to create the different key codes.

Steel Engaging Ball: A small ball that is placed in the mogul cylinder, against which the key rides allowing the movement necessary to operate the cylinder.

Wafer Tumbler: Thin brass plates that are spring activated, functioning with the paracentric key and the paracentric cylinder to allow the lock to be unlocked or locked.

LOCKS

Deadlock: A square bolt lock which is always either in the locked or the unlocked position.

Deadlock Actuator: A mechanical means of tripping a deadlock cam on snaplocks.

Electro Mechanical: Locks that are operated both manually and electrically.

Hook Bolt: A bolt that is made into the shape of a hook that is normally used on locks for sliding doors.

Mechanical: Locks that are only operated manually.

Mortise: A lock which is installed into the edge of the door with the trim and cylinder being mounted into the lock through the face of the door.

Pneumatic: A lock which is operated both manually and by compressed air.

Snaplock: A beveled bolt lock which latches upon closing the door.

PLATES/MOUNTINGS

- Cover Plate:** A plate used to cover the lock mounting pocket built into the jamb by the frame manufacturer.
- "G" Mounting:** A box used to mount mechanical locks on bar grating.
- HM Mounting Plate:** A plate used to mount mechanical locks in hollow metal doors.
- "P" Mounting:** An encasement used to mount paracentric keyed mechanical locks on plate doors.

STRIKES/KEEPERS

- Keeper:** A flat plate normally mortised into the jamb and used with square bolt deadlocks.
- Keeper/Strike Switch:** A small switch mounted behind the keeper or strike, that gives monitoring indication when the bolts are projected into the strike or keeper.
- Strikes:** Normally flat plates or cast items that are used with snap bolt locks. Some strikes have lips, whereas keepers do not.

SWITCHES

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