RR Brink

Product Catalog

Southern Folger
Detention Equipment Company Founded 1897
A COASTAL DETENTION HOLDINGS LLC COMPANY

4634 S. Presa St., San Antonio, TX 78223
210-533-1231 Phone * 210-533-2211 Fax
www.SouthernFolger.com

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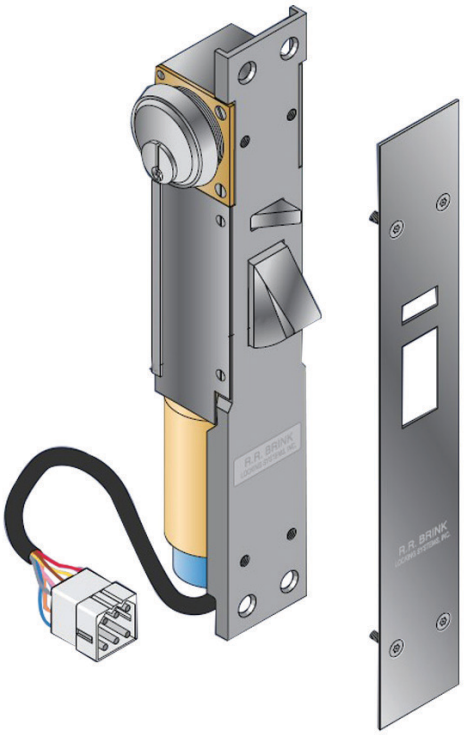
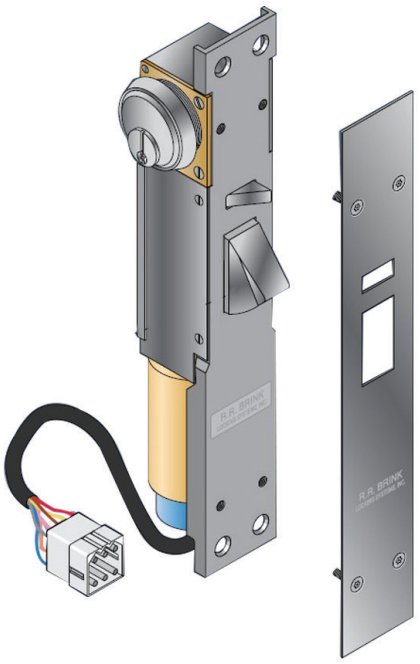
RR Brink



Electric Locks

Electric Locks
2020 Electromechanical Deadlocking Bolt



APPLICATION

- The 2020 series is ideal as an auxiliary or override lock for access control in secure areas of commercial, governmental, industrial, and institutional buildings.
- Available in “Fail-safe” (FS) (i.e. power to lock) or “Fail-secure” (FSE) (i.e. power to unlock) modes.
- The “Fail-safe” version is commonly used (with fire marshal approval) to secure an emergency exit required to have a panic exit device. For safety, the 2020 is connected to the building’s fire detection system to effect automatic unlocking during an emergency. Also, a power failure would initiate unlocking.
- The 2020 has a 3/4” throw stainless steel bolt and narrow lock depth allowing mortise mounting in a standard (i.e. 2” trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion).
- Installation of the 2020 series is architecturally unobtrusive and affords superior impact and tamper resistance.

Note: Unlocking of the “Fail-safe” and “Fail-secure” 2020 is by spring return and solenoid, respectively. A side force on the bolt will overcome these actions and prevent bolt retraction. Therefore, for proper operation, the bolt must be free of side loads.

STANDARD FEATURES

- Structural and locking parts are stainless steel
- Non-working parts and fasteners of copper alloy or stainless steel
- 3/4” throw cast stainless steel bolt with two (2) saw resistant inserts
- Maintained Switch Latch Holdback (MSLH function (see “Motor Lock Function Reference Guide” for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201030 or 201090 are recommended.
- The stainless steel auxiliary (trigger) latch actuates a switch which, when the door is open, serves to hold the bolt retracted and preclude door closure on an extended bolt.
- Mechanical operation via customer supplied standard commercial key cylinder with “Yale” type cam. (Factory supplied key cylinder optional.) For two sided, frame keying see optional “key cylinder extension” (KCE).
- Plug connectors are provided for ease in wiring and removal.

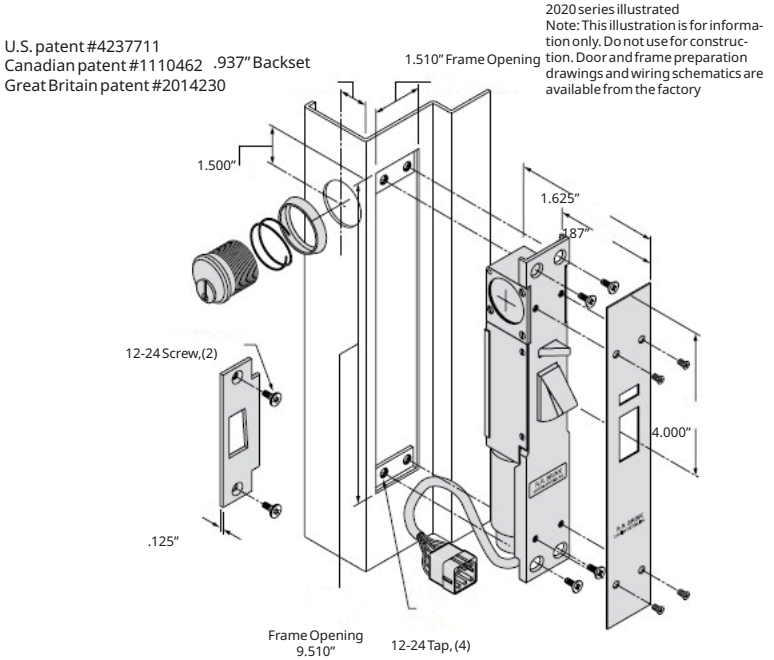
Electric Locks
2020 Electromechanical Deadlocking Bolt

STANDARD FEATURES CNT

- 24VDC cylindrical type constant duty solenoid with double wound coil – “Fail secure” (FSE) pull type and “Fail safe” push type (FS).
- Exposed fasteners – pinned “Torx” head
- Exposed Faceplate/ Strike plate Finish Satin Stainless Steel (ANSI 630, US32D)

OPTIONAL FEATURES

- FKC – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/cylinder
- KCE – Stop (push) side key cylinder extension extends working length of a standard mortise key cylinder to adapt to jamb depths within a range of 4” to 9” (advise jamb depth dimension). Customer supplied cylinders shall be factory fitted to each KCE. Special fitting is required with non-Yale cam cylinders.
- EURO – Lock is adapted for key operation with an Europrofile cylinder – available with 25mm or 45mm back set.
- MLH – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying and FSE mode only – not available with EURO.
- RC – Rectifier with plug-in adapter permits 24VAC input

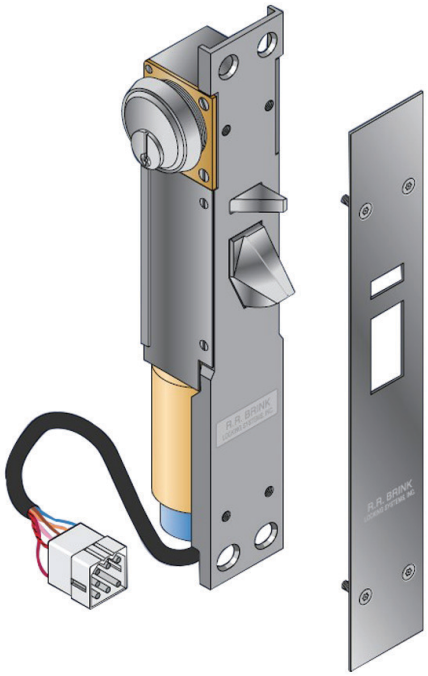


ELECTRICAL DATA

Solenoid	Dual coil, continuous duty - 2VDC; 1.4 amp in-rush, 0.3 amp seated
Lock Status Switch	120/250VAC, 5 amp, SPDT (Form C)
Case	10 Gauge Steel Plate
Bolt Hold Back Switch	120/250VAC, 10 amp, SPDT

Model	Description	Key Cylinder Extension (KCE)	Bolt Throw
2022	2020 keyed one sides	Required if key cylinder is mounted on stop (push) side of frame	3/4”
2026	2020 keyed two sides	Required on stop (push) side of frame	3/4”

Electric Locks
3020 Electromechanical Deadlocking Latch



APPLICATION

- The 3020 is ideal for access control in secure areas of commercial, institutional, governmental, and industrial buildings.
- Available in “Fail secure” (FSE) (i.e. power to unlock) or “Fail safe” (FS) (i.e. power to lock) modes.
- Commonly used in minimum/medium security correctional facilities, the 3020 series provides remotely controlled electric and manual key unlocking of detention area sleeping room and exit doors.
- The narrow depth of the 3020 allows mortise mounting in a standard (i.e. 2” trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion). The installation is architecturally unobtrusive and affords superior impact and tamper resistance.
- The 3020 is a higher security alternative to an electric strike for access control.
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.

(Note: The 3020 is not recommended for use in high security correctional locking applications and/or where latch retraction against a lateral load (e.g. leaning or pulling on the door) is a priority requirement. See our narrow profile lock models 3520-300 and 3520-600 for greater latch retraction force.)

STANDARD FEATURES

- Structural and locking parts are stainless steel.
- All other parts and fasteners are copper alloy or stainless steel.
- A full 3/4” throw cast stainless steel latch with two (2) saw resistant inserts.
- Maintained Switch Latch Holdback (MSLH) function (For other available functions, see catalog page “Function Guide for Motorized Locks”, item 2 under “General Comments”.)
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock which permits only one of a group of doors to be unlocked electrically at any time. *Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201030 or 201090 are recommended.*
- Mechanical operation via customer supplied standard commercial key cylinder with “Yale” type cam. (Factory supplied key cylinder optional.) For stop (push) side frame keying see optional “Key Cylinder Extension” (KCE).
- Plug (i.e. quick disconnect) connectors are provided for ease in wiring and removal.
- 24VDC cylindrical type constant duty solenoid with double wound coil – “Fail secure” (FSE) pull type and “Fail Safe” (FS) push type.
- Exposed Fasteners – pinned “Torx” head
- Exposed Faceplate - Satin Stainless Steel – (ANSI 630, US32D)

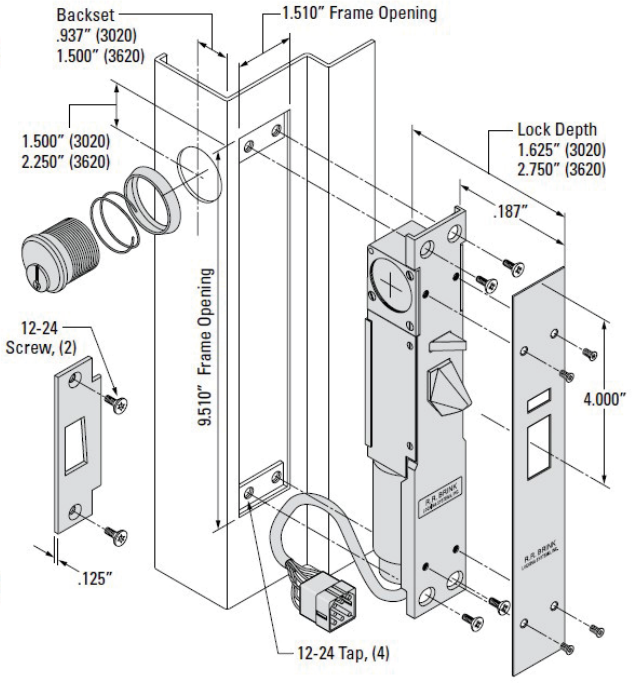
Electric Locks
3020 Electromechanical Deadlocking Latch

OPTIONAL FEATURES

- *FKC – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/cylinder*
- *MOG – Supplied with RRBLS proprietary 2” diameter 6-pin cylinder. Model designation is 3620. Note: With this option, the lock requires a 3” minimum frame face.*
- *EURO – Lock is adapted for key operation with a Europrofile cylinder – available with 25mm or 45mm backset.*
- *KCE – Stop (push) side key cylinder extension extends working length of a standard mortise key cylinder to adapt to jamb depths within a range of 4” to 9” (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.*
- *Electrical Functions (with FSE mode) MC-LH-M, MCLH-E, and MSLH/MCLH-E – (see notes 2 and 3 on “Motor Lock Function Reference Guide” catalog sheet.)*

U.S. patent #4237711
Canadian patent #1110462
Great Britain patent #2014230

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



Underwriters Laboratories, Inc. listing as a fire door accessory applies to fail-secure mode only. Listing is for a 3-hour “A”-label fire door.

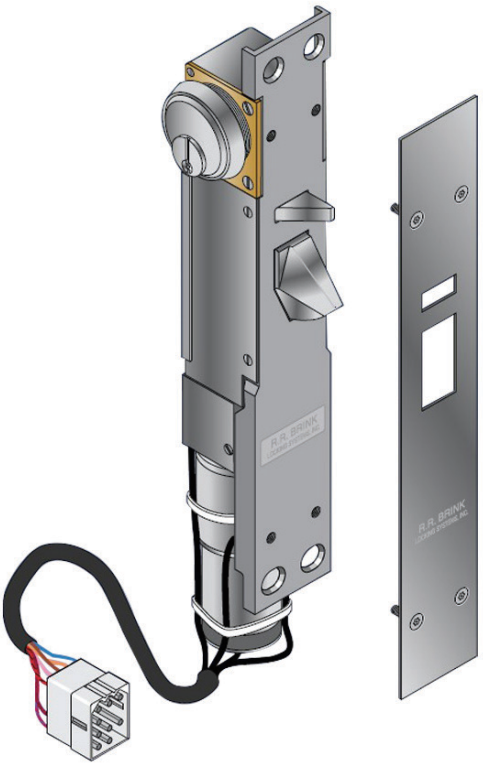
- *MLH – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying and FSE mode only – not available with EURO.*
- *CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.*
- *RC – Rectifier with plug-in adapter permits 24VAC input*

ELECTRICAL DATA

Solenoid	Dual coil, continuous duty - 2VDC; 1.4 amp in-rush, 0.3 amp seated
Lock Status Switch	120/250VAC, 5 amp, SPDT (Form C)

Model	Description	Key Cylinder Extension (KCE)
3022	3020 keyed one sides	Required if key cylinder is mounted on stop (push) side of frame
3026	3020 keyed two sides	Required on stop (push) side of frame

Electric Locks
3520-300 Electromechanical Deadlocking Latch



APPLICATION

- The 3520-300 is ideal for access control in secure areas of commercial, institutional, governmental, and industrial buildings.
- The 24VDC gearmotor facilitates remote unlocking even when an abnormally high ≥300 pound side force is applied against
- the latch.*
- Available functions allow for electrical latch retraction and extension from a remote control point as well as manual
- key unlocking at the door.
- This lock is commonly used in medium security correctional facilities to provide remotely controlled electric unlocking of detention area sleeping room and exit doors.
- The narrow depth of the 3520-300 permits mortise mounting in a standard (i.e. 2” trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion).
- The 3520-300 is physically interchangeable with the RRBLS solenoid powered Model 3020 and, subject to wiring requirements, can be retrofitted to the latter.
- Installation of the 3520-300 is architecturally unobtrusive and affords superior impact and tamper resistance.
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.

(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

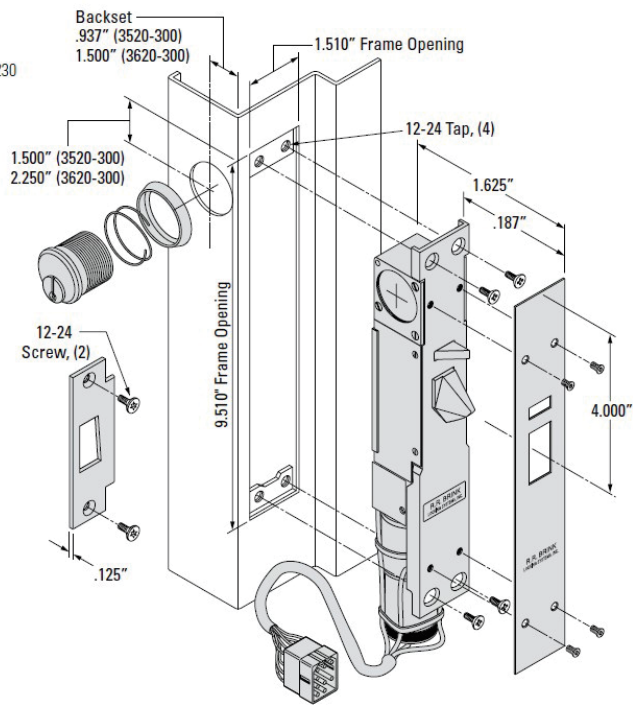
- Structural and locking parts are stainless steel
- All other parts and fasteners of copper alloy or stainless steel
- A full 3/4” throw cast stainless steel latch with two (2) saw resistant inserts.
- Maintained Switch Latch Holdback (MSLH) function (see “Motor Lock Function Reference Guide” for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201030 or 201090 are recommended.
- Mechanical operation via customer supplied standard commercial key cylinder with “Yale” type cam. (Factory supplied key cylinder optional.) For stop (push) side frame keying see optional “key cylinder extension” (KCE).
- Plug connectors are provide for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head
- Exposed Faceplate – Satin Stainless Steel – (ANSI 630, US32D)

Electric Locks

3520-300 Electromechanical Deadlocking Latch

OPTIONAL FEATURES

U.S. patents #4237711 & #5,566,991
Canadian patent #1110462
Great Britain patent #2014230



3520-300 with standard cylinder shown
Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.

Underwriters Laboratories, Inc. listing as a fire door accessory. Listing is for a 3-hour "A"-label fire door.

- FKC – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/cylinder
- MOG – Supplied with RRBLS proprietary 2" diameter 6-pin cylinder. Model designation is 3620-300. Note: With this option, the lock requires a 3" minimum frame face.
- EURO – Lock is adapted for key operation with a Europrofile cylinder – available with 25mm or 45mm back set.
- KCE – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4" to 9" (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.
- MLH – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying only – not available with EURO or Mogul key cylinder.
- CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- RC – Rectifier with plug-in adapter permits 24VAC input

ELECTRICAL DATA

Gearmotor	Permanent magnet type – 1.0 ampere current limited at full load. Voltage must be 24VDC, +5% -10%. A regulated power supply is recommended for optimum performance.
Lock Status Switch	120/250VAC, 5 amp, SPDT (Form C)

Model	Description	Key Cylinder Extension (KCE)
3522-300	3520-300 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3526-300	3520-300 keyed two sides	Required on stop (push) side of frame

Electric Locks

3520-600 Electromechanical Deadlocking Latch

APPLICATION

• The 3520-600 series is ideal for access control in secure areas of commercial, industrial, governmental, and institutional buildings.
• The 24VDC gearmotor facilitates remote unlocking even when an abnormally high ≥600 pound side force is applied against the latch.*
• Electrical functions allow for latch retraction and projection from a remote control point as well as manual key unlocking at the door.
• Commonly used in medium security correctional facilities to provide remotely controlled electric unlocking of detention area sleeping room and exit doors.
• The narrow depth of the 3520-600 permits mortise mounting in a standard (i.e. 2” trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion).
• Impact tested to Security Grade 1 per ASTM F1450 and F1577.
• Installation of the 3520-600 is architecturally unobtrusive and affords superior impact and tamper resistance

(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

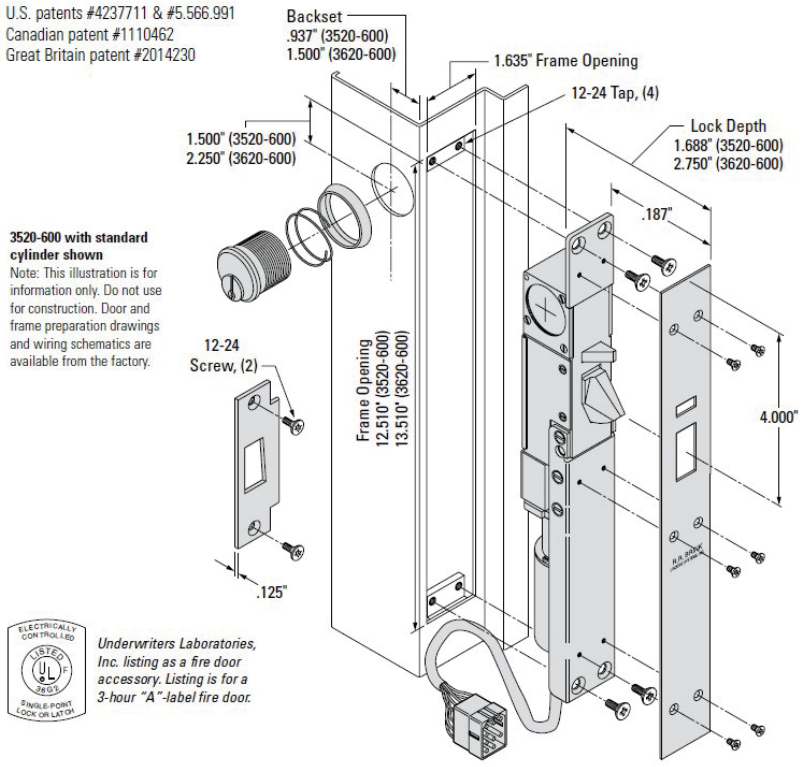
- Structural and locking parts are stainless steel.
- All other parts and fasteners are copper alloy or stainless steel.
- 3/4” throw cast stainless steel latch with two (2) saw resistant inserts.
- Maintained Switch Latch Holdback (MSLH) function (see “Motor Lock Function Reference Guide” for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201023 or 201030 are recommended.
- Mechanical operation via customer supplied standard commercial key cylinder with “Yale” type cam. (Factory supplied key cylinder optional.) For stop (push) side frame keying see optional “Key Cylinder Extension” (KCE).
- Plug connectors for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head
- Exposed Faceplate- Satin Stainless Steel – (ANSI 630, US32D)

Electric Locks

3520-600 Electromechanical Deadlocking Latch

OPTIONAL FEATURES

- FKC – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/ cylinder.
- MOG – Supplied with RRBLS proprietary 2” diameter 6-pin cylinder. Note: With this option, the lock requires a 3” minimum frame face. Model designation is 3620-600.
- EURO – Lock is adapted for key operation with an Europrofile cylinder – available with 25mm or 45mm backset.
- KCE – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4” to 9” (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.



- MLH – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying only – not available with EURO or Mogul key cylinders.
- CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- RC – Rectifier with plug-in adapter permits 24V A C input

ELECTRICAL DATA

Gearmotor	Permanent magnet type – 1.0 ampere current limited at full load. Voltage must be 24VDC, +5% -10%. A regulated power supply is recommended for optimum performance.
Lock Status Switch	120/250VAC, 5 amp, SPDT (Form C)

Model	Description	Key Cylinder Extension (KCE)
3522-600	3520-300 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3526-600	3520-300 keyed two sides	Required on stop (push) side of frame

Electric Locks
3620-300 Electromechanical Deadlocking Bolt

APPLICATION

- The 3620-300 is ideal for access control in secure areas of commercial, institutional, governmental, and industrial buildings.
- The 24VDC gearmotor achieves remote unlocking even when an abnormally high 300 pound side force is applied against the latch.
- Available functions allow for electrical latch retraction and extension from a remote control point as well as manual key unlocking at the door.
- Standard with RRBLS 2” diameter detention grade Mogul cylinder. Workable with 2” diameter builders’ hardware brands. See “Key Cylinders” catalog page for elaboration.
- This lock is commonly used in medium security correctional facilities to provide remotely controlled electric unlocking of detention area sleeping room and exit doors.

(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

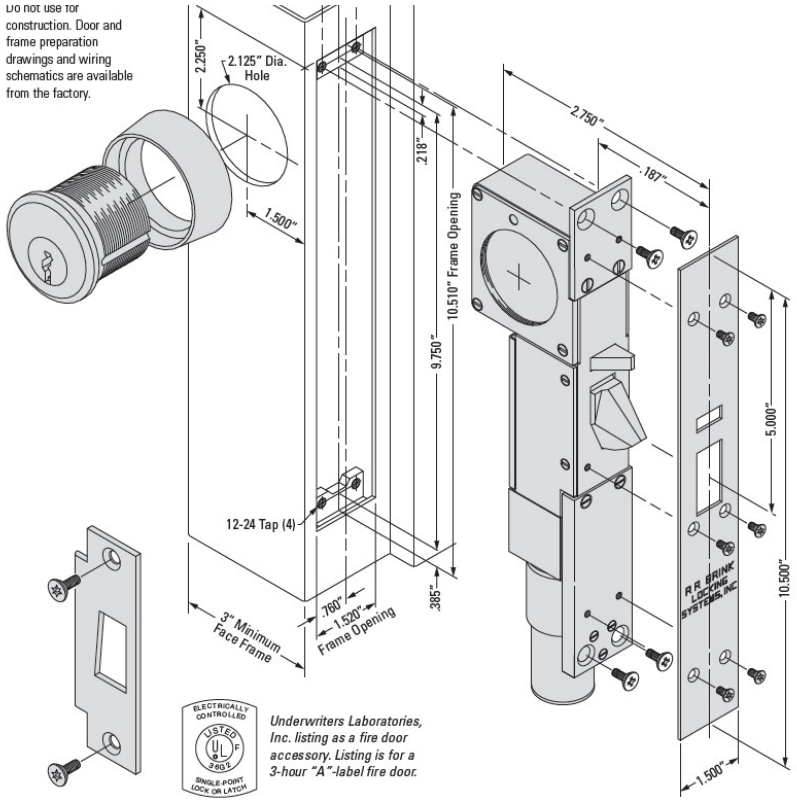
- Structural and locking parts are stainless steel
- All other parts and fasteners of copper alloy or stainless steel
- A full 3/4” throw cast stainless steel latch with two (2) saw resistant inserts.
- Standard with RRBLS 2” diameter detention grade Mogul cylinder. Workable with 2” diameter builders’ hardware brands. See ”Key Cylinders” catalog page for elaboration.
- Maintained Switch Latch Holdback (MSLH) function (see “Motor Lock Function Reference Guide” for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201030 or 201090 are recommended.
- For stop (push) side frame keying see optional “key cylinder extension” (KCE).
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head
- Exposed Faceplate
- Satin Stainless Steel – (ANSI 630, US32D)

Electric Locks

3620-300 Electromechanical Deadlocking Latch

OPTIONAL FEATURES

- KCE – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4” to 9” (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.
- CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- RC – Rectifier with plug-in adapter permits 24V A C input



ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Lock Status Switch	SPDT type, UL listed, 125/250 VAC, 5 amp.

Model	Description
7052M	7050M keyed one side
7056M	7050M keyed both sides

Electric Locks

3620-600 Electromechanical Deadlocking Latch

APPLICATION

• The 3620-300 is ideal for access control in secure areas of commercial, institutional, governmental, and industrial buildings.
• The 24VDC gearmotor achieves remote unlocking even when an abnormally high 300 pound side force is applied against the latch.
• Available functions allow for electrical latch retraction and extension from a remote control point as well as manual key unlocking at the door.
• Standard with RRBLS 2” diameter detention grade Mogul cylinder. Workable with 2” diameter builders’ hardware brands. See ”Key Cylinders” catalog page for elaboration.
• This lock is commonly used in medium security correctional facilities to provide remotely controlled electric unlocking of detention area sleeping room and exit doors.
(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

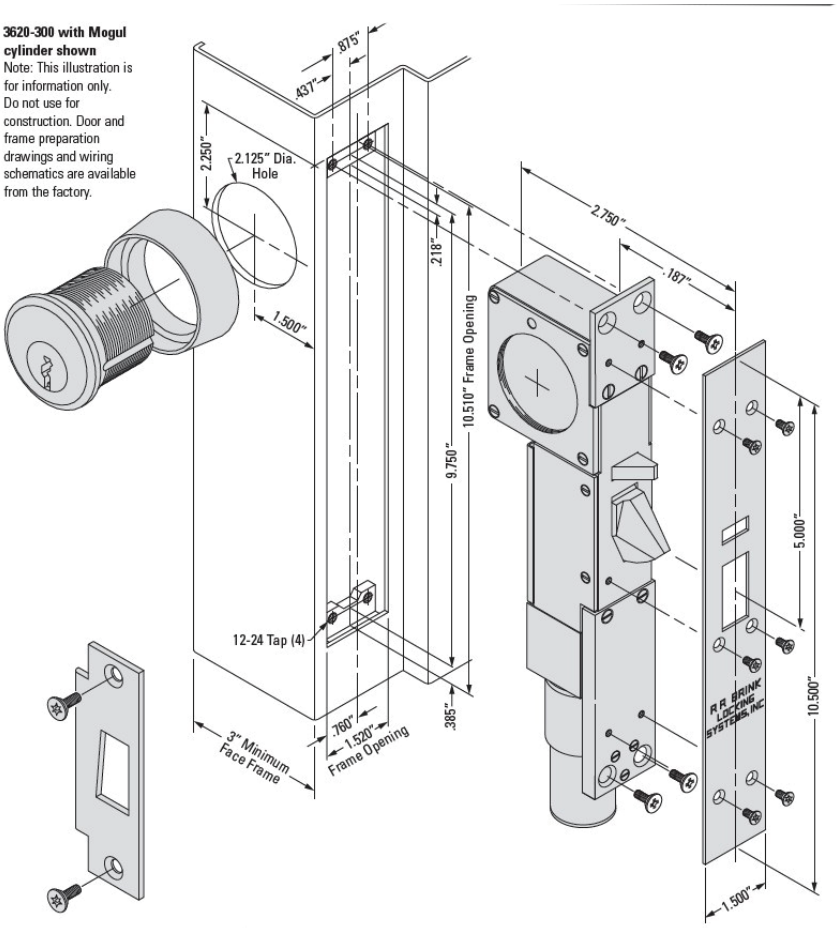
- Structural and locking parts are stainless steel
- All other parts and fasteners of copper alloy or stainless steel
- A full 3/4” throw cast stainless steel latch with two (2) saw resistant inserts.
- Standard with RRBLS 2” diameter detention grade Mogul cylinder. Workable with 2” diameter builders’ hardware brands. See ”Key Cylinders” catalog page for elaboration.
- Maintained Switch Latch Holdback (MSLH) function (see “Motor Lock Function Reference Guide” for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201030 or 201090 are recommended.
- For stop (push) side frame keying see optional “key cylinder extension” (KCE).
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head
- Exposed Faceplate –Satin Stainless Steel – (ANSI 630, US32D)

Electric Locks

3620-600 Electromechanical Deadlocking Latch

OPTIONAL FEATURES

- KCE – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4” to 9” (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.
- CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- RC – Rectifier with plug-in adapter permits 24V A C input



ELECTRICAL DATA

Gearmotor	Permanent magnet type – 1.0 ampere current limited at full load. Voltage must be 24VDC, +5% -10%. A regulated power supply is recommended for optimum performance.
Lock Status Switch	120 / 250VAC, 5 amp, SPDT (Form C)

Model	Description	Key Cylinder Extension (KCE)
3622-600	3620-600 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3626-600	3620-600 keyed two sides	Required on stop (push) side of frame

Electric Locks

7050M Electromechanical Lock

APPLICATION

• The 7050M motorized lock is an extra heavy weight electro-mechanical lock for use in openings subject to high traffic and/or where maximum attack resistance is a priority requirement. It is designed for jamb mounting in a grille or hollow metal frame (14 gauge minimum) with a custom fabricated and reinforced lock pocket (a.k.a. mortar box).

• The 7050M is recommended for remote control of maximum security locations in jails or prisons (e.g. cells, dayroom entries, and sally ports) or in other building types where openings in security perimeters must be equipped to withstand forced attack and/or constant usage.

• Electrical retraction of the latchbolt is by either a 24VDC or 120VAC gearmotor. Motor actuation is indicated where superior latch retraction force and quiet operation are important to the application.

• Mechanical latch retraction is by is by RRBLS paracentric key operation of an enclosed lever tumbler lock.

• With a hollow metal frame, the lock mechanism can be serviced with the lock in the frame by removing an access plate supplied by the frame manufacturer (see illustrations above).

• When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance-heating strip is recommended when the lock may be subjected to extreme freezing conditions.

(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

- Key unlocking at all times with an integral R.R. Brink lever-tumbler lock.
- Lock case and cover made of 7 gauge steel, electroplated for corrosion resistance
- Working parts are copper alloy or stainless steel.
- Powerful and quiet 120VAC or 24VDC motor.
- A case hardened, zinc-plated steel latch (highly resistant to wear and sawing) with a full 3/4”- inch throw. 3/4” x 2” cross section at the locking shear point.
- Electroplated steel roller bolt deadlocks latch.
- Maintained Switch Latch Holdback (MSLH) function (see “Lock Function Reference Guide”)
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time.
  Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

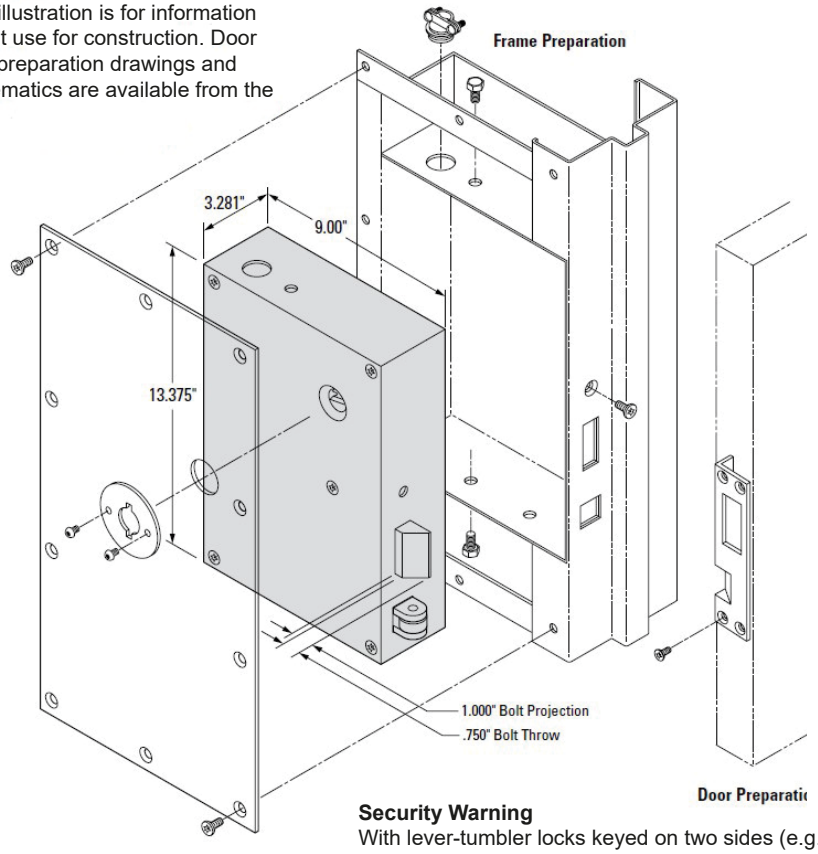
Electric Locks
7050M Electromechanical Lock

OPTIONAL ACCESSORIES

- Prison paracentric key – order separately, not included with lock
- Custom bolt projection – consult factory
- Escutcheon – finish U.S. 32D or U.S. 4
- Cylinder Shield – finish U.S. 32D

7052 M Illustrated
Hinge-side mounting. Keyed one side

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



Certified by a nationally recognized independent testing laboratory to meet ASTM F1577-6.2- Impact Test Grade 1

Security Warning
With lever-tumbler locks keyed on two sides (e.g. 7056M), it is important that the end user always remove the key from a locked door. If the key is left in the lock, for instance on the non-secure side to facilitate frequent unlocking, the bolt can be retracted from the opposite side by simply turning the cylinder with a common tool. (e,g, screwdriver). This poses an unacceptable and potentially dangerous security risk!

ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Lock Status Switch	SPDT type, UL listed, 125/250 VAC, 5 amp.

Model	Description
7052M	7050M keyed one side
7056M	7050M keyed both sides

Electric Locks

7050MM Electromechanical Lock

APPLICATION

- The 7050MM motorized lock is an extra heavy weight electro-mechanical lock for use in openings subject to high traffic and/or where maximum attack resistance is a priority requirement. It is designed for jamb mounting in a grille or hollow metal frame (14 gauge minimum) with a custom fabricated and reinforced lock pocket (a.k.a. mortar box).
- The 7050MM is recommended for remote control of maximum security locations in jails or prisons (e.g. cells, dayroom entries, and sally ports) or in other building types where openings in security perimeters must be equipped to withstand forced attack and/or constant usage.
- Electrical retraction of the latchbolt is by either a 24VDC or 120VAC gearmotor. Motor actuation is indicated where superior latch retraction force and quiet operation are important to the application.
- Mechanical latch retraction is by pin tumbler RRBLS Mogul key cylinder.
- With a hollow metal frame, the lock mechanism can be serviced with the lock in the frame by removing an access plate supplied by the frame manufacturer (see illustrations above).
- When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance-heating strip is recommended when the lock may be subjected to extreme freezing conditions.

STANDARD FEATURES

• Key unlocking at all times with an RRBLS Mogul key cylinder.
• Lock case and cover made of 7 gauge steel, electroplated for corrosion resistance
• Working parts are copper alloy or stainless steel.
• Powerful and quiet 120VAC or 24VDC motor.
• A case hardened, zinc-plated steel latch (highly resistant to wear and sawing) with a full 3/4”-inch throw. 3/4” x 2” cross section at the locking shear point.
• Electroplated steel roller bolt deadlocks latch.
• Maintained Switch Latch Holdback (MSLH) function (see “Lock Function Reference Guide”)
• Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
• Plug connectors are provided for ease in wiring and removal.
• Exposed fasteners – pinned “Torx” head

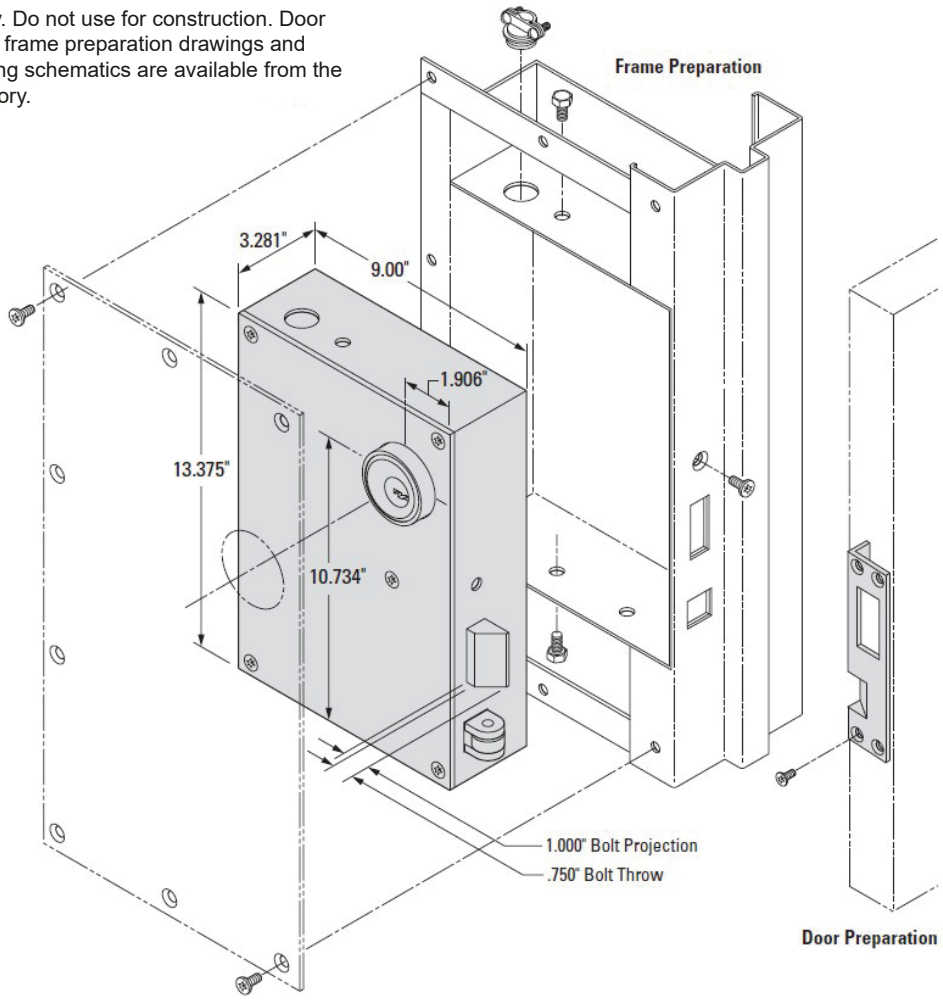
Electric Locks
7050MM Electromechanical Lock

OPTIONAL ACCESSORIES

- Custom bolt projection – consult factory

7052 M Illustrated
Hinge-side mounting. Keyed one side

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Lock Status Switch	SPDT type, UL listed, 125/250 VAC, 5 amp.

Model	Description
7052MM	7050MM keyed one side
7056MM	7050MM keyed both sides

Electric Locks

7050S Electromechanical Lock

APPLICATION

- The 7050S solenoid actuated lock is an extra heavy weight electromechanical lock for use in openings subject to high traffic and/or where maximum attack resistance is a priority requirement. It is designed for jamb mounting in a grille or hollow metal frame (14 gauge minimum) with a custom fabricated and reinforced lock pocket (a.k.a. mortar box).
- The 7050S is recommended for remote control of maximum security locations in jails or prisons (e.g. cells, dayroom entries, and sally ports) or in other building types where openings in security perimeters must be equipped to withstand forced attack and/or constant usage.
- Electric unlocking is accomplished by a 120 VAC solenoid actuator. Latch retraction is snappy and accompanied by a noticeable clap sound.
- Mechanical latch retraction by RRBLS paracentric key/lever tumbler lock.
- With a hollow metal frame, the lock mechanism can be serviced with the lock in the frame by removing an access plate supplied by the frame manufacturer (see illustrations above).
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.
- When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance-heating strip is recommended when the lock may be subjected to freezing conditions.

STANDARD FEATURES

- Key unlocking at all times with an integral R.R. Brink lever-tumbler lock.
- Lock case and cover made of 7 gauge steel, electroplated for corrosion resistance
- Working parts are of high strength bronze or stainless steel.
- A case hardened, zinc-plated steel latch (highly resistant to wear and sawing) with a full 3/4”- inch throw. 3/4” x 2” cross section at the locking shear point.
- Electroplated steel roller bolt deadlocks latch.
- Maintained Switch Latch Holdback (MSLH) function (For other available functions, see catalog page “Function Guide for Motorized Locks”, item 2 under “General Comments”.)
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

Electric Locks

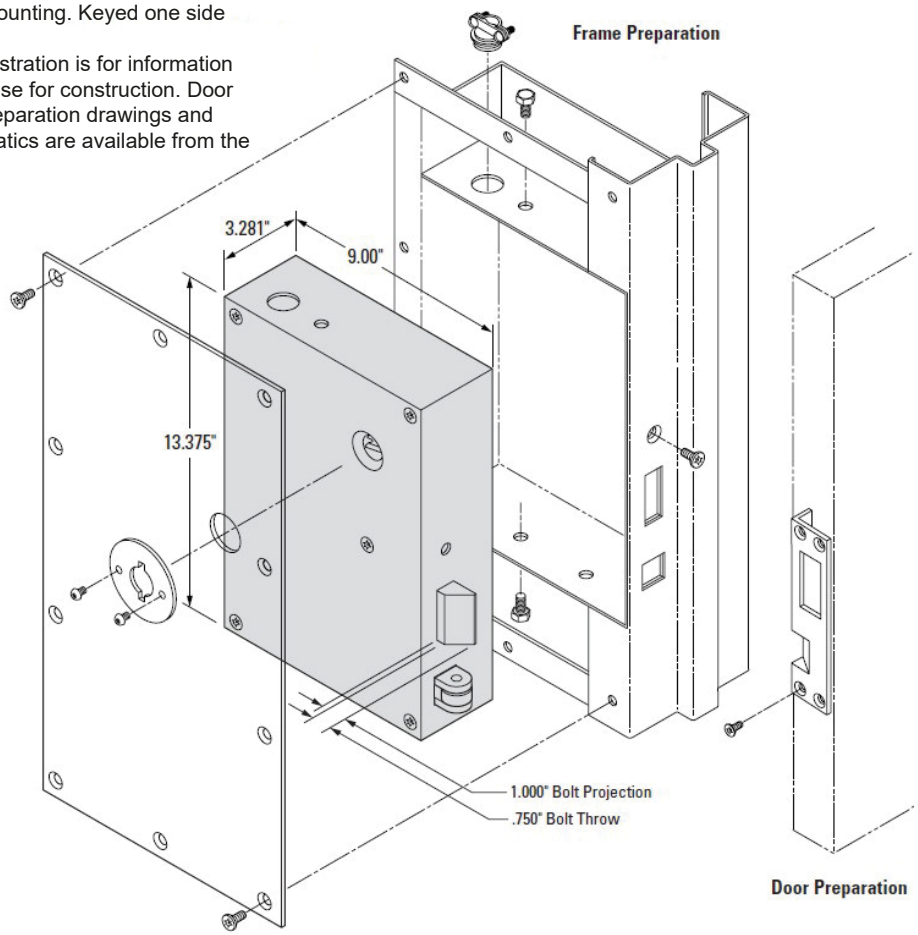
7050S Electromechanical Lock

OPTIONAL ACCESSORIES

- Prison paracentric key – order separately, not included with lock
- Custom bolt projection – consult factory
- Escutcheon – finish U.S. 32D
- Cylinder Shield – finish U.S. 32D

7050S Illustrated
Hinge-side mounting. Keyed one side

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



ELECTRICAL DATA

Solenoid	120VAC – Laminate Design – Intermittent Duty – 60Hz standard – 10 ampere in-rush, 0.75 ampere seated.
Lock Status Switch	125/250VAC, 5 amp, SPDT (Form C)

NOTE: For applications utilizing 50Hz electrical input, consult factory prior to order. The life cycle of a 60Hz rated solenoid operated with 50Hz current is shortened due to possible overheating. Therefore, a non-standard 50Hz solenoid is recommended, particularly for high usage applications.

Model	Description
7052S	7050S keyed one side
7056S	7050S keyed both sides

Electric Locks

7050SM Electromechanical Lock

APPLICATION

- The 7050SM solenoid actuated lock is an extra heavy weight electromechanical lock for use in openings subject to high traffic and/or where maximum attack resistance is a priority requirement. It is designed for jamb mounting in a grille or hollow metal frame (14 gauge minimum) with a custom fabricated and reinforced lock pocket (a.k.a. mortar box).
- The 7050SM is recommended for remote control of maximum security locations in jails or prisons (e.g. cells, dayroom entries, and sally ports) or in other building types where openings in security perimeters must be equipped to withstand forced attack and/or constant usage.
- Electric unlocking is accomplished by a 120 VAC solenoid actuator. Latch retraction is snappy and accompanied by a noticeable clap sound.
- Mechanical latch retraction is by pin tumbler RRBLS Mogul key cylinder.
- With a hollow metal frame, the lock mechanism can be serviced with the lock in the frame by removing an access plate supplied by the frame manufacturer (see illustrations above).
- When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance-heating strip is recommended when the lock may be subjected to extreme freezing conditions.

STANDARD FEATURES

- Key unlocking at all times with an RRBLS Mogul key cylinder.
- Lock case and cover made of 7 gauge steel, electroplated for corrosion resistance
- Working parts are copper alloy or stainless steel.
- A case hardened, zinc-plated steel latch (highly resistant to wear and sawing) with a full 3/4”-inch throw. 3/4” x 2” cross section at the locking shear point.
- Electroplated steel roller bolt deadlocks latch.
- Maintained Switch Latch Holdback (MSLH) function (see “Lock Function Reference Guide”)
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

Electric Locks

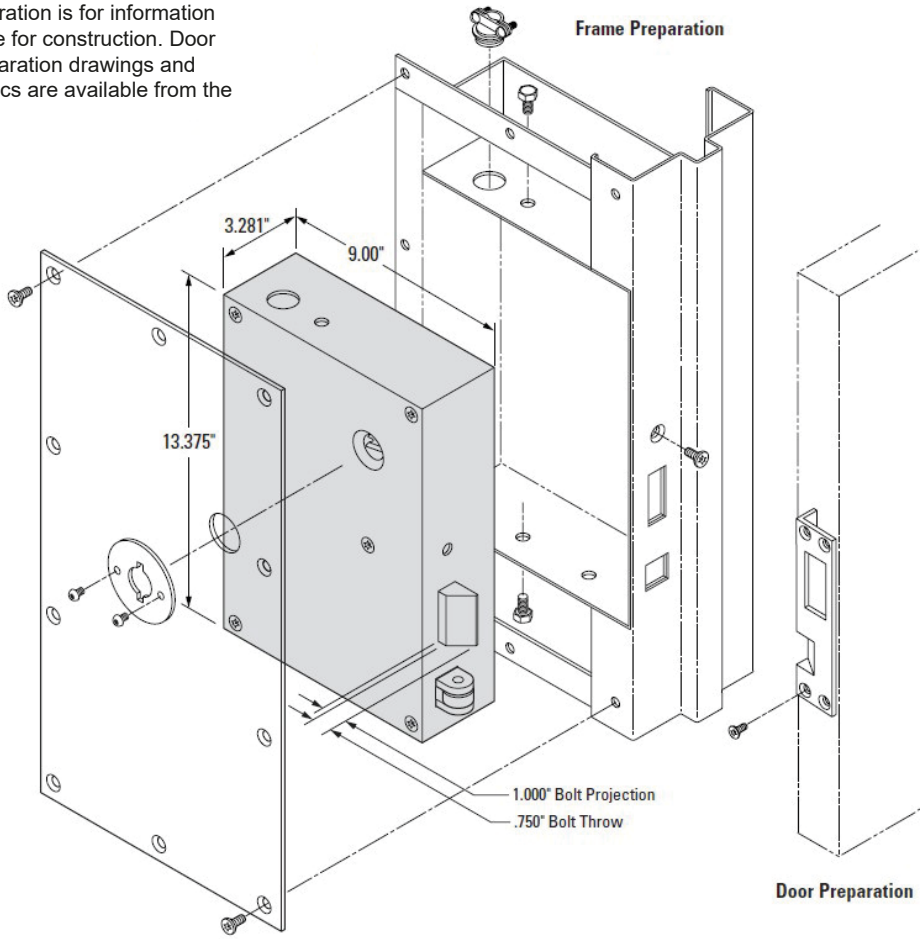
7050SM Electromechanical Lock

OPTIONAL ACCESSORIES

- Custom bolt projection – consult factory

7050S Illustrated
Hinge-side mounting. Keyed one side

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



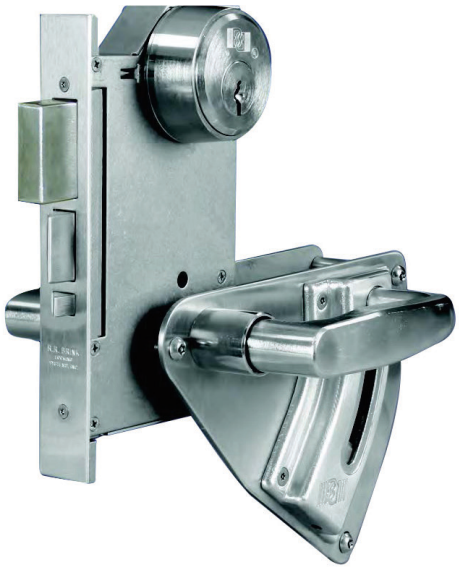
ELECTRICAL DATA

Solenoid	120VAC – Laminate Design – Intermittent Duty – 60Hz standard – 10 ampere in-rush, 0.75 ampere seated.
Lock Status Switch	125/250VAC, 5 amp, SPDT (Form C)

NOTE: For applications utilizing 50Hz electrical input, consult factory prior to order. The life cycle of a 60Hz rated solenoid operated with 50Hz current is shortened due to possible overheating. Therefore, a non-standard 50Hz solenoid is recommended, particularly for high usage applications.

Model	Description
7052SM	7050SM keyed one side
7056SM	7050SM keyed both sides

RR Brink



Mechanical Locks

Electric Locks

AC5020 EUKL

APPLICATION

• The 5020 EUKL is an electromechanical deadbolt used primarily to secure emergency exit doors which are normally locked.
• Unlocking can be initiated by a remotely located switch and/or automatically (e.g. actuation of a fire alarm). When unlocked electrically, the 5020 EUKL must be relocked manually by key at the door (i.e. electric unlock, key lock). This feature precludes inadvertent or intentional locking of a means of egress during an emergency situation.
• Electric unlocking is accomplished by a120VAC solenoid actuator. Deadbolt retraction is quick and accompanied by a noticeable clap sound.
• Mechanical deadbolt retraction by pin tumbler key cylinder – commercial or “Prison Mogul” types.
• The Model 5020 EUKL normally is jamb mounted in a steel door frame (14 gauge minimum) in a specially fabricated and reinforced lock pocket (or mortar box).
• Impact tested to Security Grade 1 per ASTM F1450 and F1577.
• When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance heating strip is recommended when the lock may be subjected to extreme freezing conditions.

STANDARD FEATURES

- Lock case and made cover of 10 gauge steel, electroplated for corrosion resistance
- Bolt made of saw-resistant hardened steel with a full 1” throw and 3/4” x 1-1/2” cross section.
- Cast stainless steel strike plate.
- Working parts are high strength bronze or stainless steel.
- Lock status switch (LSS) trips when the bolt is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
- Fitted for mechanical operation via either RRBLS proprietary “Mogul” or user’s commercial key cylinder. (Factory supplied commercial key cylinder optional.) For stop side only or both side frame keying, the frame manufacturer must provide stop (push) side cylinder access or optional “key cylinder extension” (KCE). Key cylinder(s) must be factory assembled in lock.
- Available cylinder finishes – Satin Brass (ANSI 606, US4) or Chrome (ANSI 626, US26D)
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

Electric Locks

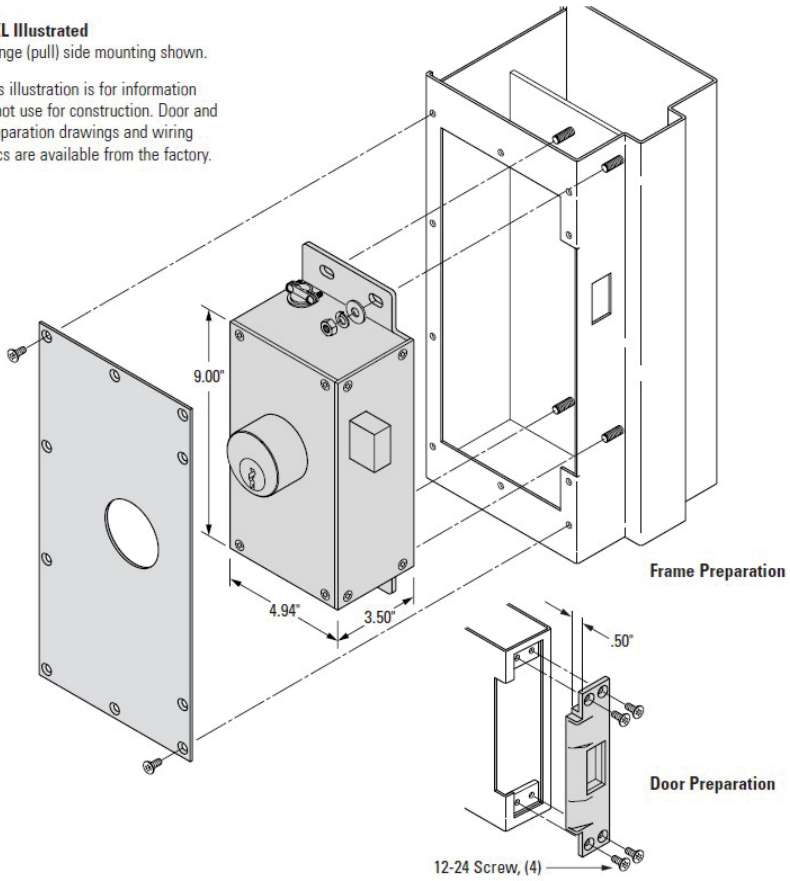
AC5020 EUKL

OPTIONAL FEATURES

- FKC – Factory supplied high security commercial key cylinder with collar – two change keys/cylinder
- MOG – Supplied with RRBLS Mogul proprietary 2” diameter 6-pin cylinder. UL listed locking cylinder (UL-437). Keys are ordered separately.
- KCE – In lieu of a conventional stop (push) side key cylinder access opening in the frame, a key cylinder extension extends the working length of a commercial or Mogul key cylinder to adapt to outside jamb depths. This option applies to one side stop or both side keying only. Customer supplied cylinders must be factory fitted to each KCE. (Jamb depth dimension required with order.)

5022 EUKL Illustrated
Typical hinge (pull) side mounting shown.

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



ORDERING INFORMATION

5020 EUKL - Solenoid Actuated Series

Model	Description
5021 EUKL	5020 EUKL keyed stop side only
5022 EUKL	5020 EUKL keyed hinge side only
5026 EUKL	5020 EUKL keyed both sides

Electric Locks

AC5020M

APPLICATION

- The 5020M is widely used in medium and maximum security detention facilities for remotely controlled electric unlocking of inmate room and passage doors.
- This lock is ideal as a component in attack resistant security perimeters in sensitive areas of commercial, governmental, and industrial buildings.
- Electric unlocking is by either 24VDC or 120VAC motor. Latch retraction is quiet and capable of overcoming abnormally high side loads (e.g. someone leaning or pulling on the door to prevent unlocking).
- Mechanical latch retraction by pin tumbler key cylinder– commercial size or “Prison Mogul” types.
- The Model 5020M normally is jamb mounted in a steel door frame (14 gauge recommended minimum) in a specially fabricated and reinforced lock pocket (or mortar box).

• The lock mechanism can be accessed without removal from the frame via an access plate on the non-secure side of the frame.

• Impact tested to Security Grade 1 per ASTM F1450 and F1577.

• When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance heating strip is recommended when the lock may be subjected to extreme freezing conditions.

STANDARD FEATURES

- Lock case and cover made of 10 gauge steel, electroplated for corrosion resistance
- Beveled latch made of saw-resistant hardened steel with a full 1” throw and 3/4” x 1-1/2” cross section.
- Cast stainless steel strike plate.
- All internal parts are cast, fabricated or turned stainless steel.
- Maintained Switch Latch Holdback (MSLH) function (see “Function Guide for Motorized Locks”)
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201023 or 201030 are recommended.
- Fitted for mechanical operation via either RRBLS proprietary “Mogul” or user’s commercial key cylinder. (Factory supplied commercial key cylinder optional.) For stop side only or both side frame keying, the frame manufacturer must provide stop (push) side cylinder access or optional “key cylinder extension” (KCE). Key cylinder(s) must be factory assembled in lock.

Electric Locks

AC5020M

STANDARD FEATURES CNT.

- Available cylinder finish – Satin Chrome (ANSI 626, US26D)
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

OPTIONAL FEATURES

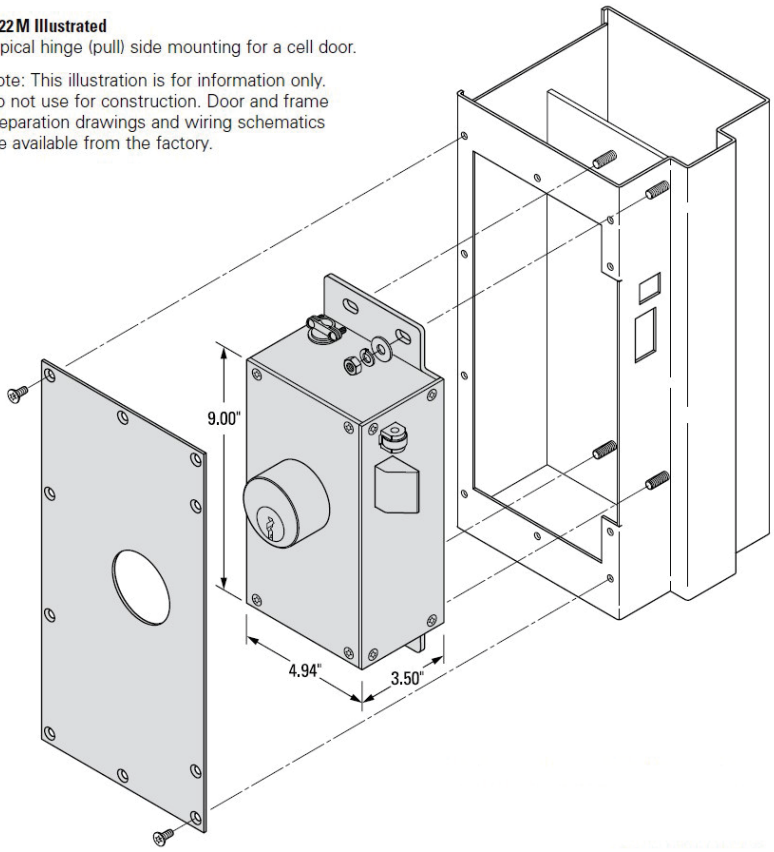
- FKC – Factory supplied high security commercial key cylinder with collar. Keys are ordered separately
- MOG – Supplied with RRBLS Mogul proprietary 2” diameter 6-pin cylinder. UL listed locking cylinder (UL-437). Keys are ordered separately.
- KCE – Key Cylinder Extension – In lieu of a conventional stop (push) side key cylinder access opening in the frame, a key cylinder extension extends the working length of a commercial or Mogul key cylinder to adapt to outside jamb depths. This option applies to one side stop or both side keying only. Customer supplied cylinders must be factory fitted to each KCE. (Jamb depth dimension required with order.)
- CKS – Controlled Key Switch An internal limit switch enables electrical unlocking by one-way only rotation of a change level key (factory cylinder modification required). The change key unlock circuit can be disabled at the lock control panel. Mechanical unlocking is by a master level key. This feature is used to select periods when change key unlocking is permitted, e.g. by prison inmates who carry a key to their cell.
- • MLH – Mechanical Latch Holdback Key operation, counter to standard spring return latch rotation, enables maintained latch holdback (i.e. unlocked condition) with the key removed. Relocking is by key only. Optionally, keying for this feature can be unique since its rotation is opposite that for standard unlocking and, therefore, enables restricted staff usage of this function. The MLH feature is useful in a detention facility to allow flexibility of operational policies. For example:
  1) The MLH facilitates freedom of inmate movement from their sleeping room within a designated space (e.g. dayroom) and time period.
  2) The MLH requires correctional officers to interact personally with inmates when performing cell key lock/ unlock duties as opposed to remote control panel switching.
  3) In addition, the MLH feature helps to prevent a commonplace open cell door lock abuse scenario whereby an inmate surreptitiously wedges the lock’s auxiliary latch to a retracted position to produce a dead latched condition and then forcibly and repeatedly slams the door against the immovable latch in an attempt to inflict damage to the lock mechanism.
- MLHRR – Mechanical Latch Holdback with Remote Release. (Patent: US 10,947,756 B2) This feature is an enhancement to the MLH option above to enable relocking of a door(s) by either a key or electrically from a control panel. This ability to override the MLH feature from a remote location is applicable in a detention facility when, in an emergency situation, it is necessary to institute a quick lockdown and preclude the time consuming need to relock doors locally by key.

OPTIONAL FEATURES CNT.

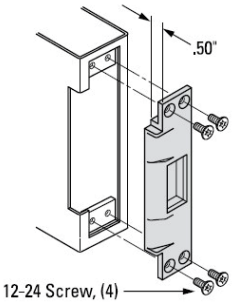
- TMS – Tamper Monitor Switch A limit switch that signals (e.g. via light and/or audible alarm) manipulation of the lock's auxiliary bolt (a.k.a. roller bolt) when a door is ajar. The purpose is to alert correctional officers to suspicious activity at a door (e.g. lock abuse). (Not available with the MCL-HE function.)

5022M Illustrated
Typical hinge (pull) side mounting for a cell door.

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



Frame Preparation



Door Preparation

ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Lock Status Switch	125/250VAC, 5 amp, SPDT (Form C)

ORDERING INFORMATION

5020M – Motor Power Series

Model	Description
5022M	5020M keyed hinge side only
5026M	5020M keyed both sides

Electric Locks

AC5020S

APPLICATION

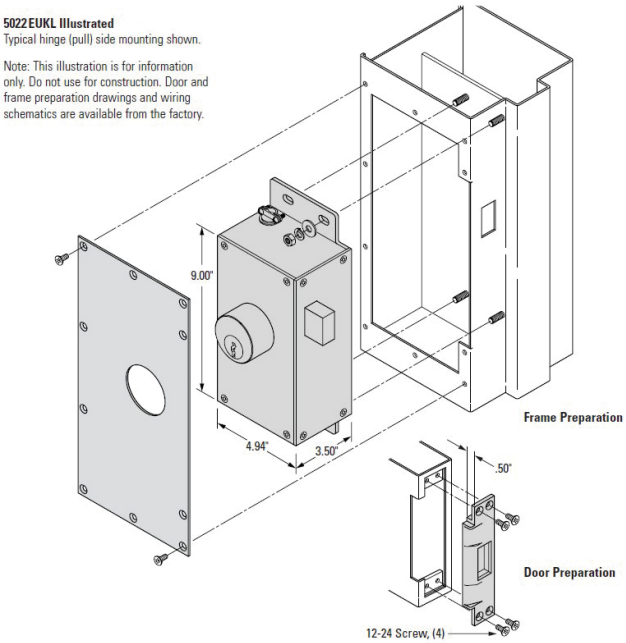
• The 5020S is widely used in medium and maximum security detention facilities for remotely controlled electric unlocking of inmate room and passage doors.
• This lock is ideal as a component in attack resistant security perimeters in sensitive areas of commercial, governmental, and industrial buildings.
• Electric unlocking is accomplished by a 120VAC solenoid actuator. Latch retraction is quick and accompanied by a noticeable clap sound.
• Mechanical latch retraction by pin tumbler key cylinder–commercial or "Prison Mogul" types.
• The Model 5020S normally is jamb mounted in a steel door frame (14 gauge minimum) in a specially fabricated and reinforced lock pocket (or mortar box).
• The lock mechanism can be accessed without removal from the frame via an access plate on the non-secure side of the frame.
• Impact tested to Security Grade 1 per ASTM F1450 and F1577.
• When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance heating strip is recommended when the lock may be subjected to extreme freezing conditions.

STANDARD FEATURES

- Lock case and cover made of 10 gauge steel, electroplated for corrosion resistance
- Beveled latch made of saw-resistant hardened steel with a full 1" throw and 3/4" x 1-1/2" cross section.
- Cast stainless steel strike plate.
- All internal parts are cast, fabricated or turned stainless steel.
- Maintained Switch Latch Holdback (MSLH) function (see "Function Guide for Motorized Locks")
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201023 or 201030 are recommended.
- Fitted for mechanical operation via either RRBLS proprietary "Mogul" or user's commercial key cylinder. (Factory supplied commercial key cylinder optional.) For stop side only or both side frame keying, the frame manufacturer must provide stop (push) side cylinder access or optional "key cylinder extension" (KCE). Key cylinder(s) must be factory assembled in lock.
- Exposed fasteners – pinned "Torx" head
- Available cylinder finish – Chrome (ANSI 626, US26D)

Electric Locks
AC5020S

OPTIONAL FEATURES



- FKC – Factory supplied high commercial security key cylinder with collar – two change keys/cylinder
- MOG – Supplied with RRBLS Mogul proprietary 2” diameter 6-pin cylinder. UL listed locking cylinder (UL-437). Keys are ordered separately.
- KCE – In lieu of a conventional stop (push) side key cylinder access opening in the frame, a key cylinder extension extends the working length of a commercial or Mogul key cylinder to adapt to outside jamb depths. This option applies to one side stop or both side keying only. Customer supplied cylinders must be factory fitted to each KCE. (Jamb depth dimension required with order.)
- CKS – Factory key cylinder modification and an internal limit switch produce a key switch feature which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlocking is by a master key. This feature is indicated when it is desirable to restrict periods when key unlocking is possible, e.g. building access or prison inmates who carry a key to their cell.
- Electrical Functions MCLH-M, MCLH-E, and MSLH/MCLH-E – (see notes 2 and 3 on “Motor Lock Function Reference Guide” catalog sheet.)
- TMS (Tamper Monitor Switch) - A limit switch that signals (e.g. via light and/or audible alarm) manipulation of the lock’s auxiliary bolt (a.k.a roller bolt) when a door is ajar. The purpose is to alert correctional officers to suspicious activity at a door (e.g. lock abuse). Not available with MCLH-E function

ELECTRICAL DATA

Solenoid	120VAC – Laminate Design – Intermittent Duty – 60Hz standard – 10 ampere in-rush, 0.75 ampere seated.
Lock Status Switch	125/250VAC, 5 amp, SPDT (Form C)

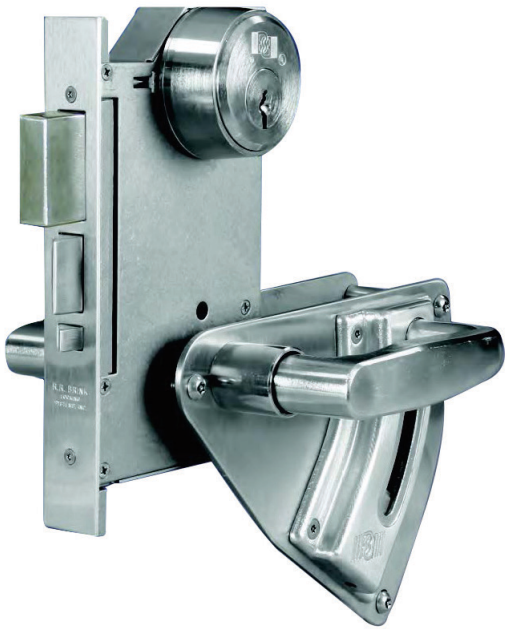
NOTE: For applications utilizing 50Hz electrical input, consult factory prior to order. The life cycle of a 60Hz rated solenoid operated with 50Hz current is shortened due to possible overheating. Therefore, a non-standard 50Hz solenoid is recommended, particularly for high usage applications.

ORDERING INFORMATION
5020S Solenoid Actuated Series

Model	Description
5021S	5020S keyed stop side only
5022S	5020S keyed hinge side only
5026S	5020S keyed both sides

Mechanical Locks

1020 Deadbolt



APPLICATION

The 1020 series of Mogul key and Lever Eskort or knob operated deadlocking latch/deadbolt is ideal for use in detention institutions as
well as commercial, government, and industrial buildings for utmost
physical security. The large-scale design accommodates an oversized latch and deadbolt plus the RRBLS proprietary Mogul key cylinder. These institutional grade construction features and tamper
resistant fittings provide exceptional structural strength to impede forced and surreptitious entry. The 1020 meets ASTM F1450 and F1577 impact test requirements as certified by an independent testing laboratory.

Appropriate for locking hollow metal doors in secure perimeters and/or high usage openings in all building types. A function is available to suit most passage requirements. (See lock function selection chart.)

Construction Specification

- 5/8” throw latch
- 1” throw deadbolt
- Cast stainless steel armor front – 1/2” thick
- Cast latch, auxiliary latch, and deadbolt of stainless steel
- Lock case, strike plate, springs, and other working parts of stainless steel
- Exposed fasteners – pinned “Torx” head. Optional RRBLS proprietary Mogul key cylinder

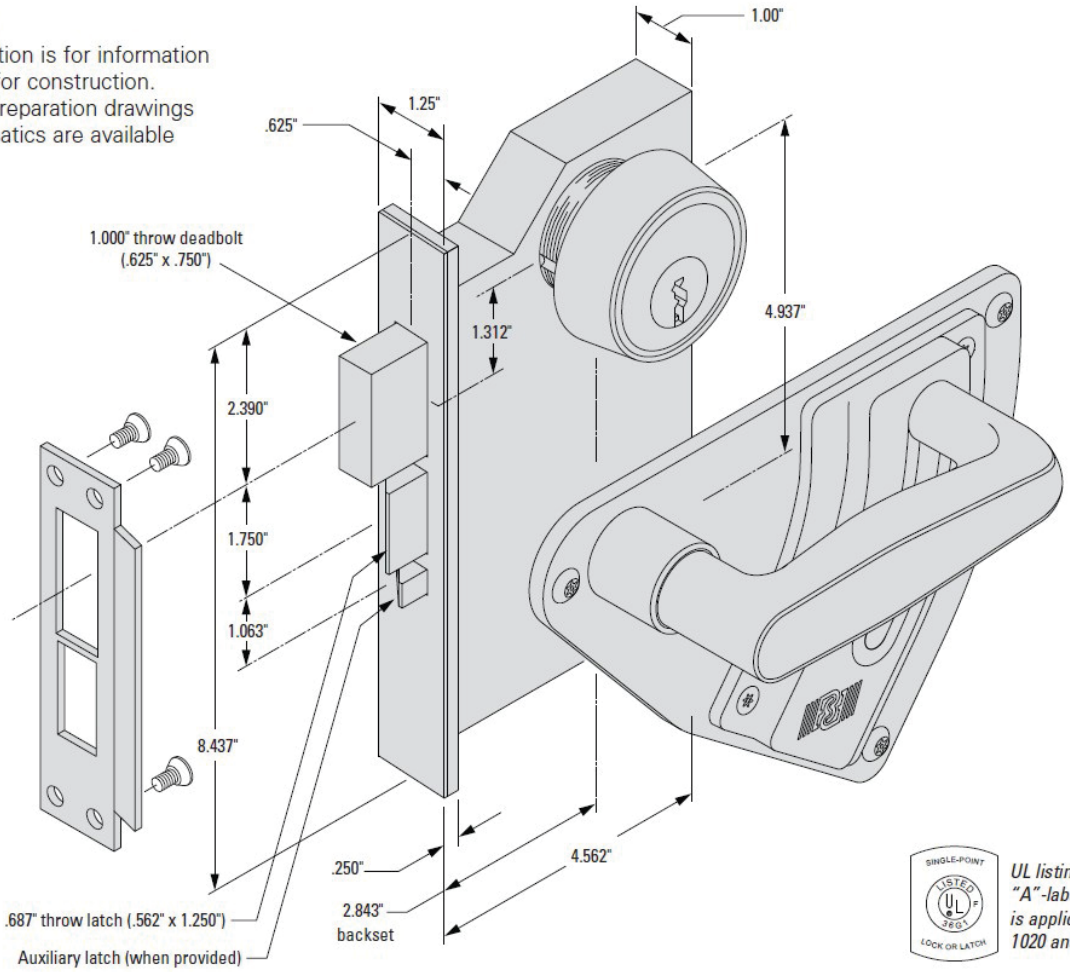
Trim (Specify)

- Lever Eskort (specify LE) – Solid cast brass and wrought stainless steel. Enables the designer/specifier to satisfy Americans with Disabilities Act (ADA) accessibility requirements and avoid intentional, forced lever breakage.
- Security Knob & Rose (specify KR) –solid brass – free spinning inactive knob
- Safety Knob (specify SK) – Solid brass,conical shaped knob serves to limit hand grip to prevent holding a door closed. Specifically designed for jail/prison sleeping room doors.

Mechanical Locks

1020 Deadbolt

1020 Illustrated
Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



UL listing is for a 3-hour "A"-label fire door and is applicable to models 1020 and 1030.

STANDARD FINISHES

- Face Plate – Wrought Satin Stainless Steel (ANSI 630, US32D)
- Lever Eskort Trim – Satin Chrome on Brass (ANSI 626, US26D) and Wrought
- Stainless Steel (ANSI 630, US32D)

ORDERING INFORMATION

Model	Description	Key Cylinders
1022	Keyed one side only	Mogul type (priced separately)
1026	Keyed both sides	Mogul type (priced separately)

Mechanical Locks

1020 Deadbolt

HOW TO SPECIFY LOCK FUNCTIONS

function designation number for a particular application. To specify the function of a 1020 Series mechanical lock, you must first determine the following:

1. The “inside” and “outside” of the opening.

2. Lock keyed one (1022) or both (1026) sides.

3. The desired lever/knob functions for the “inside” and “outside” and choose the corresponding lock function number (i.e. 1022-201, etc.).

4. The hand of the lock (refer to “Hand of Locks Reference Guide” for explanation of lock handing).

LOCK-FUNCTION NOTATIONS

A. Active Trim – retracts the latchbolt only

B. Active Trim – retracts the deadbolt and latch simultaneously

I. Inactive Trim – functions as a door pull only (optional) free spinning knob

1. Outside cylinder operates deadbolt only

2. Inside cylinder operates deadbolt only

2T. Inside thumbturn operates deadbolt only

3. Outside cylinder operates deadbolt and deadlatch

4. Inside cylinder operates deadbolt and deadlatch

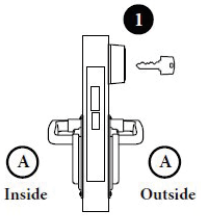
4T. Inside thumbturn operates deadbolt and deadlatch

5. Outside cylinder operates deadlatch

1020 LOCK FUNCTIONS

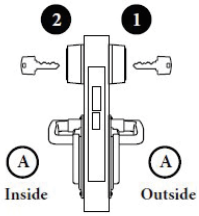
Lever Trim shown - Knob Trim available

201



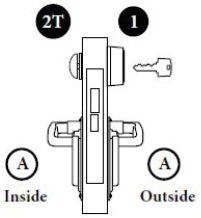
Latch and Deadbolt

202



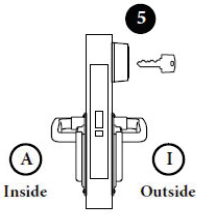
ANSI F14
Store/Utility Door Lock
Latch and Deadbolt

203



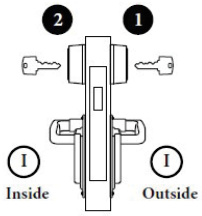
ANSI F21
Store/Utility Door Lock
Latch and Deadbolt

204



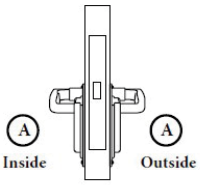
ANSI F07
Closet or Storeroom Lock
Deadlocking Latch Only

206



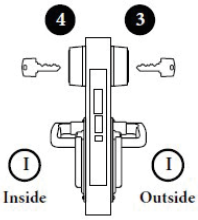
ANSI F16
Deadbolt Only

207



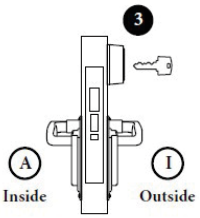
ANSI F01
Closet or Passage Lock
Latch Only

208



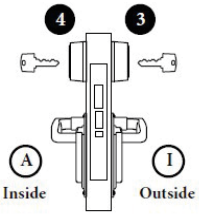
Deadlocking Latch
and Deadbolt

209



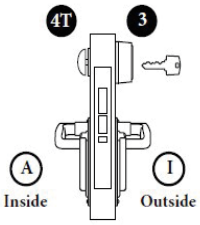
Deadlocking Latch
and Deadbolt

210



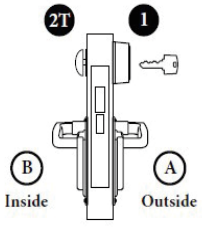
Deadlocking Latch
and Deadbolt

211



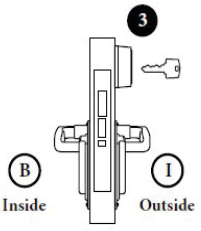
Deadlocking Latch
and Deadbolt

212



ANSI F13
Dormitory or Exit Lock
Latch and Deadbolt

214



Deadlocking Latch
and Deadbolt

Mechanical Locks

1040-1060 Deadlocking Latch

APPLICATION

The 1040/1060 series of key/knob operated deadlocking latches is ideal for use in detention institutions as well as in commercial, governmental and industrial buildings where physical security is of high priority. The design incorporates material strength and tamper resistant fittings to impede forced and/or surreptitious entry. With the optional Lever Eskort trim, the designer/specifier can meet Americans with Disabilities Act (ADA) accessibility standards and insure against intentional, abusive lever breakage.

Model 1040

The 1040 latchbolt is operated by key or knob/ lever from one or two sides — see function chart on page 3. This model does not incorporate a key controlled knob lockout feature.

Model 1060

The 1060 series provides the same key and knob control as the 1040 model. In addition, there is a mechanism for key control of one or both knobs (or Lever Eskort) to switch from active to inactive (i.e. locked) status and vice versa — see function chart on page 3. An inactive knob or lever is free spinning to prevent forcing. Turning the key toward the hinge stile: First click renders the controlled knob(s) inactive. Turning the key further, until the second click, renders the knob active. Conversely, rotating the key toward the lock stile retracts the latch.

STANDARD FEATURES

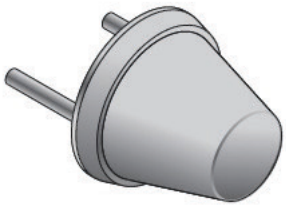
- Lock case, armor front, springs, and working parts are made of stainless steel.
- Solid forged-brass trim cannot be removed when the door is in the closed and locked position — all mounting screws are concealed. A locked or inactive knob spins freely to prevent forced breakage of the lock works.
- Latch made of stainless steel with a full 3⁄4” throw.
- Stainless steel strike plate.
- Fitted for mechanical operation via either RRBLS proprietary “Mogul” or user’s commercial key cylinder. (Factory supplied commercial key cylinder optional.)
- Exposed fasteners – pinned “Torx” head.

Mechanical Locks
1040-1060 Deadlocking Latch

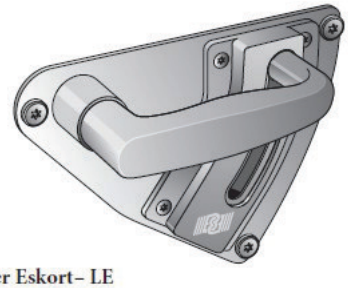
OPTIONAL FEATURES

- FKC – Factory supplied high security commercial key cylinder with collar – two change keys/cylinder.
- MOG – Supplied with RRBLS Mogul proprietary 2” diameter 6-pin cylinder – keys are ordered separately (UL listed locking cylinder UL-437).
- LSS – Lock status switch trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices.

Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended. Note: the LSS switch option requires an electric transit hinge or another wire transfer connection device between the door and the frame



Safety Knob – SK



Lever Eskort– LE

OPTIONAL TRIM

- Safety Knob (specify SK) – Solid brass, conical shaped knob serves to limit hand grip to prevent holding a door closed. Specifically designed for jail/prison sleeping
- room doors.
- Lever Eskort (specify LE) – A lever handle and track set designed to add significant structural integrity to mortise lockset assemblies. When specified with the 1040/ 1060series, a locked lever is free to rotate due to R.R. Brink’s patented free-spinning lever lockout design. A locked lever is not rigid, thereby preventing attempts to vandalize the internal lock works.

OPTIONAL TRIM

- Faceplate – Satin Stainless Steel (ANSI 630, US32D)
- Trim - Satin Chrome on Brass (ANSI 626, US26D)

ORDERING INFORMATION

1040/1060 – Extra-Heavy Construction Mechanical Lock Series

Model	Description
1042	1040 Keyed one side only
1046	1040 Keyed both sides
1062	1060 Keyed one side only
1066	1060 Keyed both sides

Mechanical Locks
1040-1060 Deadlocking Latch

LOCK FUNCTIONS - HOW TO SPECIFY

Refer to the diagrams below to determine the lock function designation number for a particular application. To specify the function of a 1040/1060 Series mechanical lock, you must first determine the following:

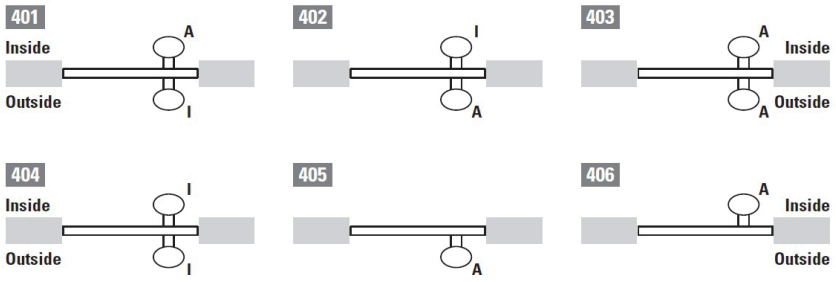
1. The “inside” and “outside” of the opening.
2. Whether the lock will be keyed on one or both sides (1042, 1066, etc.).
3. The desired knob functions for the “inside” and “outside” and choose the corresponding lock function number (i.e. 1062-611, etc.).
4. The desired knob functions for the “inside” and “outside” and choose the corresponding lock function number (i.e. 1062-611, etc.).
5. The hand of the lock (refer to “Hand of Locks Reference Guide” for explanation of lock handing).

Please Note: Knob control key shown only for 1060 locks. Latch retraction key cylinder can be specified on one or both sides for all 1040 functions. (Never specify a key cylinder on active knob side).

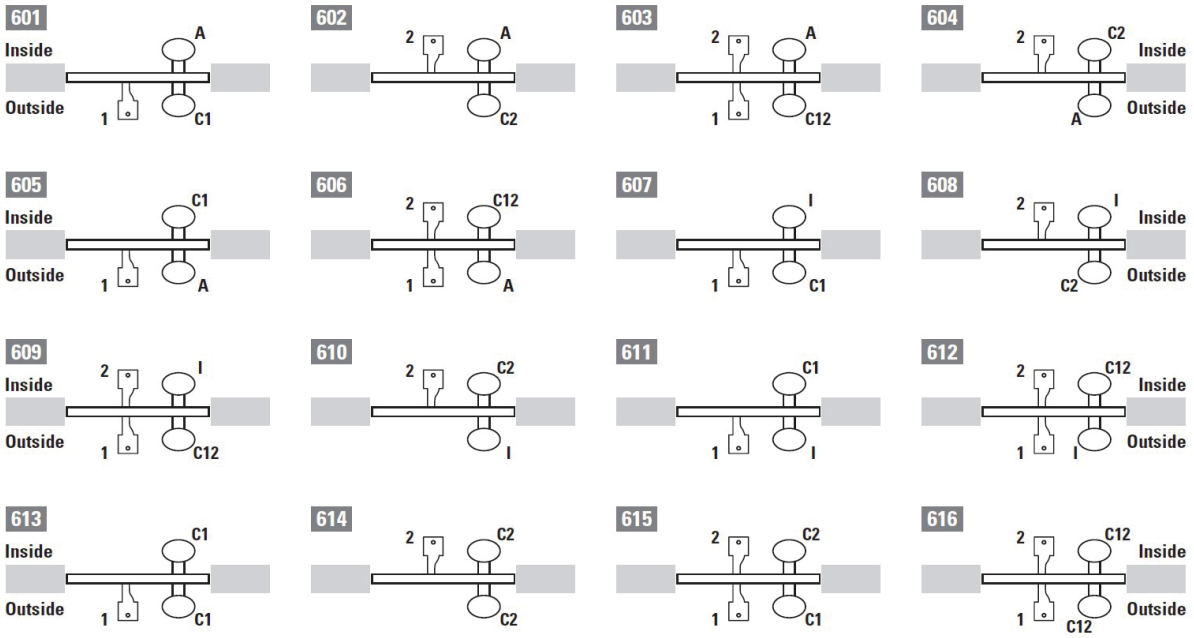
LOCK FUNCTIONS Identified Below

A: Active Knob – always operates the latch
I: Inactive Knob – functions as a door pull only – free spinning
C1: Knob is controlled by Key 1 cylinder
C2: Knob is controlled by Key 2 cylinder
C12: Knob is key controlled by cylinders on both sides

1040 Lock Functions

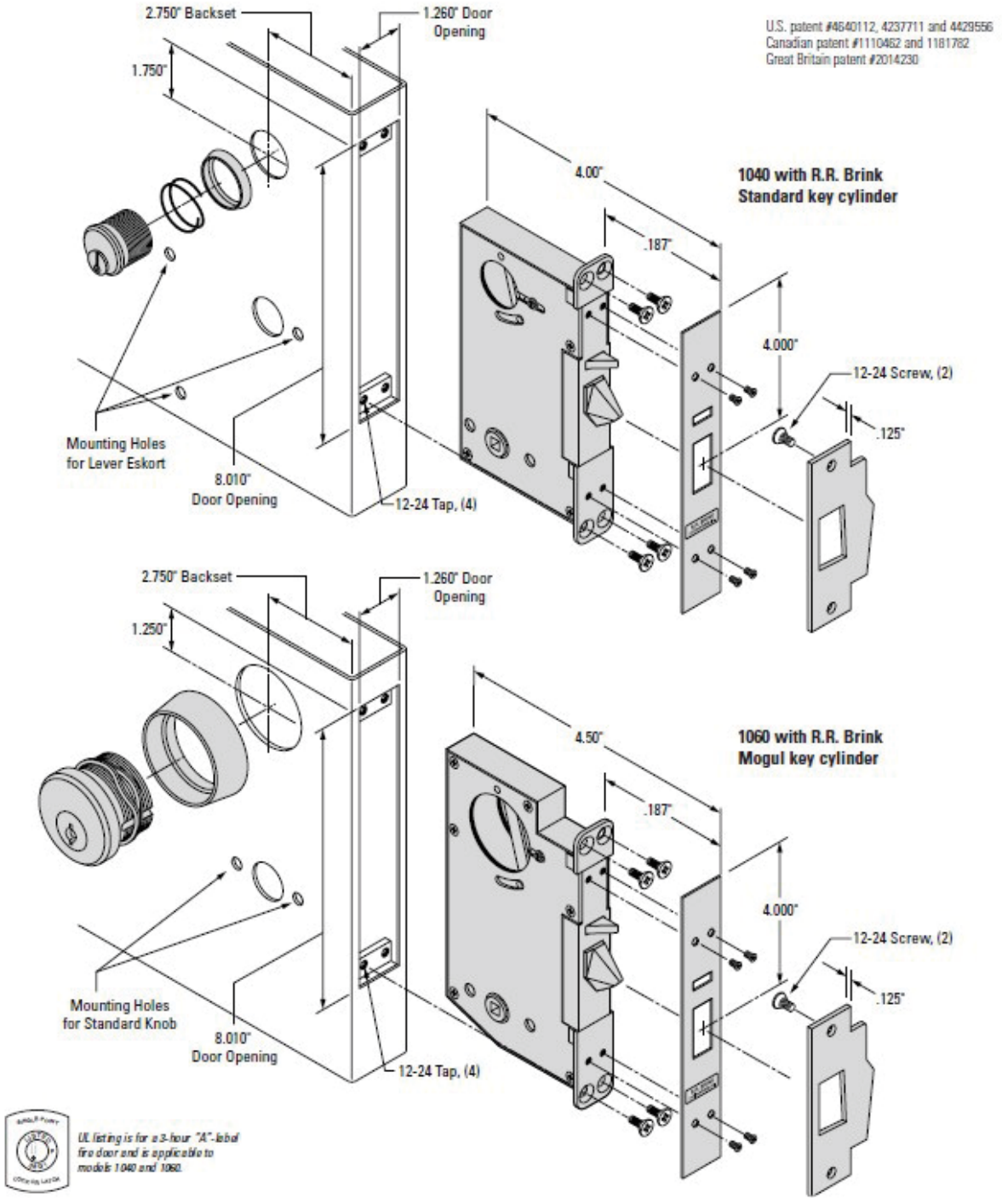


1060 Lock Functions



Mechanical Locks

1040-1060 Deadlocking Latch



Note: The above illustrations are for information only. Do not use for construction. Door and frame preparation drawings are available from the factory.

Mechanical Locks

1050 Deadbolt Lock

APPLICATION

The Model 1050 is a deadlocking latch that affords electric (solenoid actuated) remote control of the knob/lever trim set. It is appropriate for supervised minimum/medium security areas in detention facilities such as passage and office doors. RRBLS does not recommend the 1050 for inmate cell doors.

One knob/lever can be electrically locked and unlocked with the opposite either always active or inactive. Also, both knobs/levers can be electrically locked and unlocked simultaneously. (See Lock Function section on the reverse of this page.) An internal limit switch is standard to signal at the remote control panel the dead-locked or unlocked status of the latch. An inactive knob spins freely to prevent forcing. The optional Lever Eskort can be substituted for the standard knobs.

The 1050 is available in one mode— Fail Secure (FSE). With the FSE mode, the controlled knob or lever is locked without power and unlocked with power and, thus, would revert to the locked condition in the event of a power failure. The latch can always be retracted by key. Since the 1050 is door mounted, a through wire electric transfer hinge or other flexible power connection is required between the door frame and the door.

STANDARD FEATURES

- Lock case, armor front, springs, and working parts are made of stainless steel.
- Solid brass knob trim cannot be removed when the door is in the closed and locked position – all mounting screws are concealed. A locked or inactive knob spins freely to prevent forced breakage of the lock works.
- Stainless steel rotary movement latch with a full 3⁄4” throw.
- Stainless steel strike plate – synthetic coated for reduced friction.
- Working parts made of copper alloy or stainless steel.
- Solenoid – constant duty tubular type – 24VDC, 0.33 amp.
- Lock Status Switch (LSS) – Integral limit switch to monitor latch status, (i.e. deadlocked or unlocked) by lights, alarms, and/or other door condition indicators. Commonly connected in combination with a door position switch to give positive indication that a door is in both the closed and locked position.
- Indication Module (specify IM) – For fail secure mode only, plug-in relay module that serves to signal when an electrically controlled knob/lever is unlocked (e.g. via a red control panel pilot light that also indicates an unlocked latch via the standard lock status switch [LSS]). This feature provides an additional sensor to the LSS for monitoring the 1050FSE’s locked/unlocked status.
- • Fitted for mechanical operation via either RRBLS proprietary “Mogul” or commercial key cylinder. (Factory supplied key cylinder optional.)
- Exposed Faceplate Finish: Satin Stainless Steel – (ANSI 630, US32D)
- Trim Finish: Satin Chrome on Brass (ANSI 626, US26D)

Mechanical Locks

1050 Deadbolt Lock

OPTIONAL FEATURES

- Factory Key Cylinder (specify FKC and all keying information) – High security mortise type with finish matching lock face plate.
- Mogul Cylinder (specify MOG and all keying information) – RRBLS six pin mogul cylinder.
- Lever Eskort (specify LE) – Enables the designer/ specifier to satisfy Americans with Disabilities Act (ADA) accessibility requirements and impede intentional, forced lever breakage.
- Rectifier (specify RC) – Attached to 24VDC solenoid lead wires to permit use of 24VAC from transformer.
- Safety Knob (specify SK) – Solid brass, conical shaped knob serves to limit hand grip to prevent holding a door closed. Specifically designed for jail/prison sleeping room doors.

LOCK FUNCTIONS

A. Active Knob/Lever – always operates the latchbolt

I. Inactive Knob/Lever – functions as a door pull only – free spinning

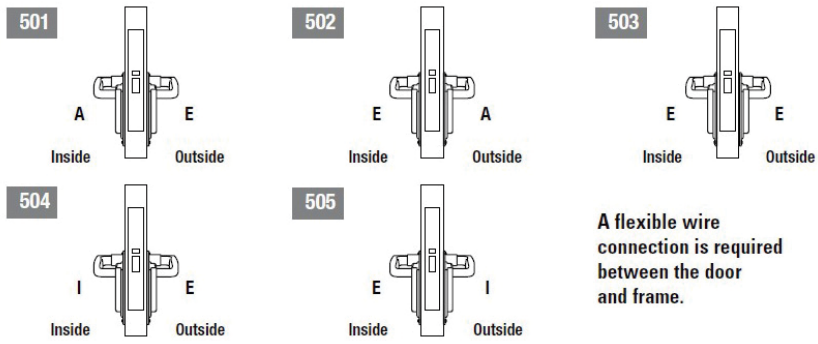
E. Electrically Controlled Knob – Latch retraction by key can be one or both sides.

To specify the lock function, determine the following :

(1) The “inside” and “outside” of the opening.

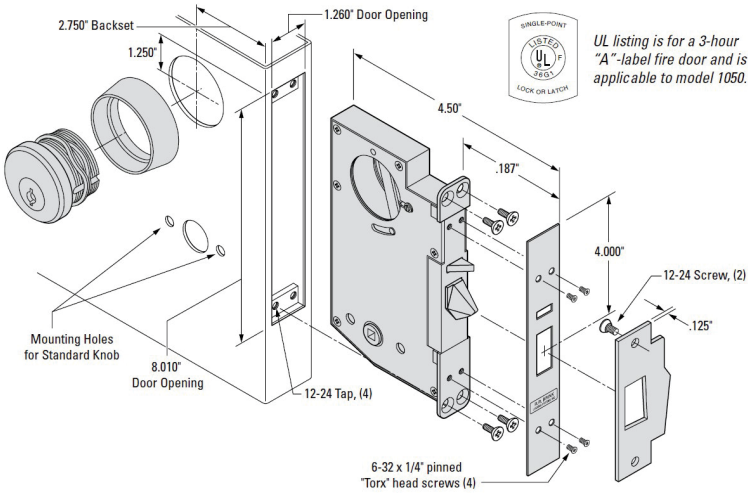
(2) The desired knob functions for the “inside” and “outside” and choose the corresponding lock function number (e.g. 1050-503).

(3) The hand of the lock (refer to “Hand of Locks Reference Guide” for explanation of lock handing)..



ORDERING INFORMATION

Model	Description
1052 FSE	1050 Keyed one side - Fail Secure
1056 FSE	1050 Keyed both sides - Fail Secure



Mechanical Locks

1070 Deadbolt Lock

APPLICATION

The Model 1070 is a heavy duty deadbolt lock with a full one-inch bolt throw. It is recommended for hollow metal doors where latching (slam locking) is not a requirement. For example, this rugged deadlock is indicated for use in doors of plumbing chases, janitor and mechanical
closets, and holding cells in detention facilities.

The Model 1070 lock case, front, and working parts are of stainless steel to meet the most demanding of security requirements. It is mortise mounted in a hollow metal door and can be keyed on one or two sides with an RRBLS six pin- tumbler Mogul cylinder or a high security commercial mortise key cylinder.

The key is removable only with the bolt fully retracted or projected (deadlocked), thus alerting the key holder to an impediment to the deadlocking of the bolt and, possibly, an attempt to breach security. The handing of the Model 1070 is field adjustable, i.e. it is reversible according to door swing. The armor front is adjustable to match the degree of door edge bevel. A separate door knob or pull is recommended, such as those manufactured by R.R. Brink.

CONSTRUCTION SPECIFICATION

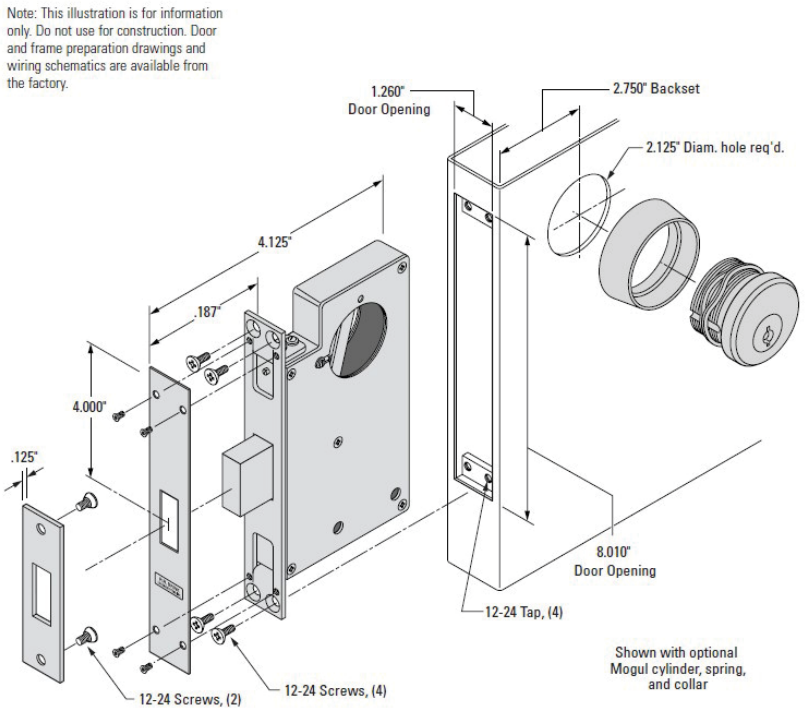
- Lock case, armor front, springs, and working parts are of stainless steel.
- Fits ANSI mortise cutout – 1-1/4” x 8”.
- Cast stainless steel bolt with a full 1” throw and two (2) saw resistant inserts.
- Stainless steel strike plate.
- Working parts made of copper alloy or stainless steel.
- Fitted for mechanical operation via either RRBLS proprietary “Mogul” or user’s commercial key cylinder. (Factory supplied commercial key cylinder optional.)
- Exposed fasteners – pinned “Torx” head.
- Exposed Faceplate Metal Finish Satin Stainless Steel – (ANSI 630, US32D)

Mechanical Locks

1070 Deadbolt Lock

OPTIONAL FEATURES

- Factory Key Cylinder – (specify FKC and all keying information) – high security commercial key cylinder with “Yale” type cam. (Factory supplied commercial key cylinder optional.)
- Mogul Cylinder – (specify MOG and all keying information) – RRBLS proprietary six pin-tumbler “Mogul” key cylinder.
- Thumb Turn – (specify TP) - in lieu of “Mogul” or commercial key cylinder.



U.S. patent #4640112, 4237711 and 4429556
Canadian patent #1110462 and 1181782
Great Britain patent #2014230

ORDERING INFORMATION

Model	Description
1072	1070 Keyed one side
1076	1070 Keyed both sides

Mechanical Locks

5520 Mechanical Lock

APPLICATION

- The 5520 is a frame mounted, electrically actuated automatic deadlocking latch for unlocking sliding doors. In detention facilities, its use should be restricted to medium security housing for both new construction and for retrofitting existing inmate cells where remotely controlled unlocking is a life safety requirement. Also, the 5520 is appropriate for securing sliding doors in commercial and governmental buildings.
- The standard 5520 (designation 5520M) is actuated by a 120VAC motor (a 24VDC motor and 120VAC solenoid are optional – designations 5520-M24 and 5520S, respectively). Motor operation is quiet and produces higher torque force than the solenoid, which features fast action.
- The standard operating function for both motor and solenoid actuated models is “Momentary Contact Latch Holdback – Electrical” (MCLH-E) (For other available functions, see catalog page “Function Guide for Motorized Locks”, item 3 under “General Comments”.) The MCLH-E function utilizes a momentary contact control panel switch that, when actuated, causes the 5520 to unlock electrically and remain unlocked until the door is moved ajar. It is recommended that the standard MCLH-E function be used only in locations where surreptitious deadlocking of the hook bolt by wedging of the deadlock pin to a depressed position is not a concern. Otherwise, lock damage might result by slamming a door against an immovable (i.e. deadlocked) hook bolt. Where such abuse is anticipated, the optional “Maintained Switch Latch Holdback” (MSLH) motor function is recommended. With the MSLH function, the 5520 hook bolt is actuated by a maintained contact control panel switch to the raised unlocked position where it will remain (without power if motor operated) until it is switched to the lock mode. This MSLH function precludes inflicting intentional damage to the lock mechanism by slamming the door against the hook bolt when the latter has been deadlocked via stealth.
- Manual key unlocking is by a commercial mortise key cylinder supplied by either the end-user or the factory or an RRBLS Mogul prison pin tumbler cylinder.

STANDARD FEATURES

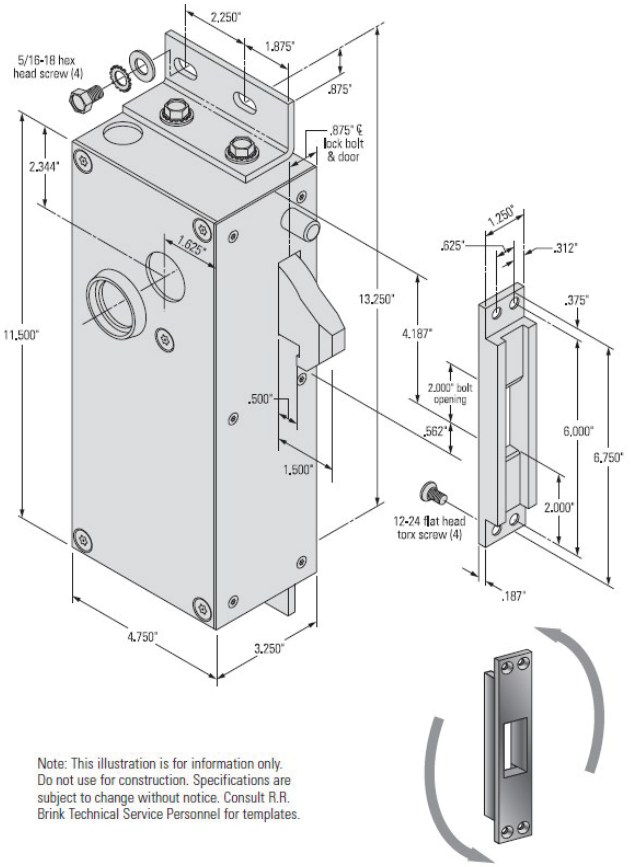
- Mounting angles for frame attachment.
- Electric operation by motor (24VDC or 120VAC) or 120VAC solenoid.
- Lock case made of 11 gauge steel, electroplated for corrosion resistance.
- Latch of investment cast of stainless steel.
- Cast stainless steel strike plate.
- Working parts of stainless steel.
- Momentary Switch Latch Holdback - Electric (MCLH-E) or Maintained Switch Latch Holdback (MSLH) functions (see “Function Guide for Motorized Locks” catalog page).

Mechanical Locks

5520 Mechanical Lock

STANDARD FEATURES

- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS.
- Fitted for mechanical operation via either RRBLS proprietary “Mogul” or user’s commercial key cylinder. (Factory supplied commercial key cylinder optional.)
- Available cylinder and faceplate finishes – Satin Brass (ANSI 606, US4) or Chrome (ANSI 626, US26D)
- Plug connectors are provided for ease of field wiring and lock removal.
- Exposed fasteners – pinned “Torx” head



Note: This illustration is for information only. Do not use for construction. Specifications are subject to change without notice. Consult R.R. Brink Technical Service Personnel for templates.

Strike plate is reversible to allow 3/8" or 7/16" strike depth adjustment.

OPTIONAL FEATURES

- FKC – Factory supplied high security commercial key cylinder with collar – two change keys/ cylinder
- MOG – Supplied with RRBLS Mogul proprietary 2” diameter 6-pin cylinder. UL listed locking cylinder (UL-437). Keys are ordered separately.
- MCS – Motor control switch allows 5520 to be used in combination with a power door operator where an unlocking and door moving delay sequence is mandatory.

ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Solenoid	120VAC, 10amp inrush, 1.2 amp seated
Lock Status Switch	125/250VAC, 5 amp, SPDT (Form C)

ORDERING INFORMATION - 5520 Series

Model	Description	Keying
5522M	Motor power (120VAC)	Keyed door front side only
5526M	Motor power (120VAC)	Keyed both sides
5522-M24	Motor power (24VDC)	Keyed door front side only
5526-M24	Motor power (24VDC)	Keyed both sides
5522s	Solenoid power (120VAC)	Keyed door front side only
5526S	Solenoid power (120VAC)	Keyed both sides

Mechanical Locks

7010 Mechanical Lock

APPLICATION

The 7010 is the industry standard lever tumbler deadbolt widely used in correctional facilities for maximum security locking of utility access panels.
The 7010 is recommended for key controlled locking of electrical and plumbing access panels, roof hatches, and miscellaneous small openings within the secure perimeter of a jail or prison. The 7010 is not recommended for use on full size doors. Both locking and unlocking is accomplished with a proprietary RRBLS paracentric type key. The key cannot be removed from the lock unless the bolt is fully extended and deadlocked. This safety feature alerts the user to an obstruction in the bolt keeper or receiver which would jeopardize security.

STANDARD FEATURES

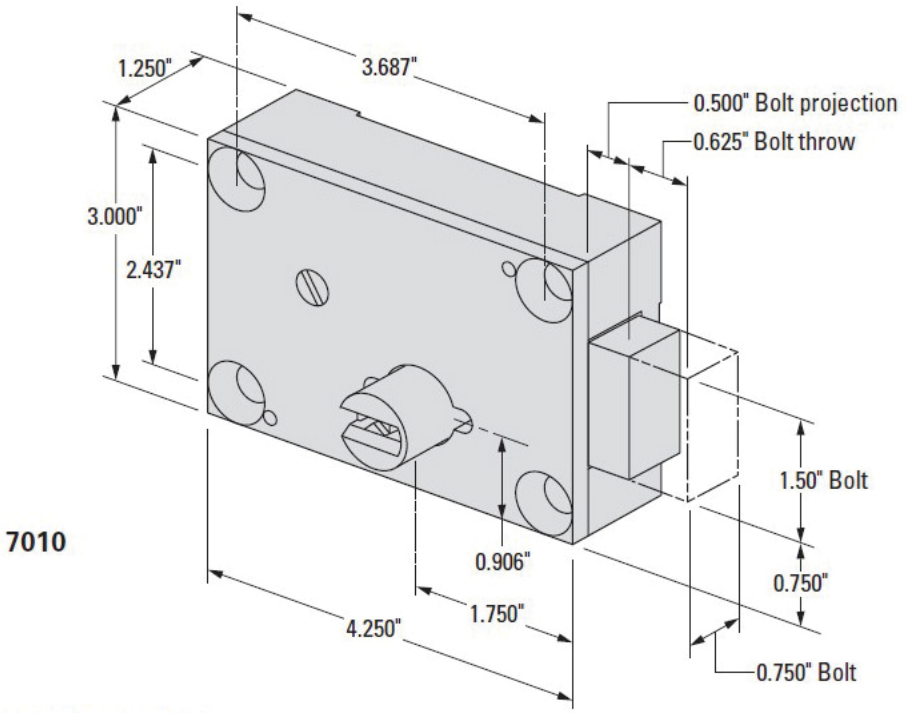
- Industry standard template
- Investment cast steel lock case, zinc plated
- Stainless steel deadbolt
- One piece bronze paracentric cylinder
- Bolt retracted projection 1/2”
- Bolt throw: 5/8”
- Bolt size: 1-1/2” x 3/4”
- Four mounting screws included

Accessories (must be ordered separately)
• **Prison key** – Investment cast bronze alloy – specify quantity of keys required
• **Bolt keepers**
7010K standard mortise
7010KD mortise with dust box
7010SA surface applied

Lock Mountings (must be ordered separately) The access panel manufacturer usually provides a mounting plate for the 7010 lock. Otherwise RRBLS factory mountings are available for hollow metal and plate doors. They are constructed of 7-gauge steel and electroplated for corrosion resistance. Mounting is removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.
• **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
• **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim mounted.

Mechanical Locks

7010 Mechanical Lock



Note: This illustration is for information only.
Do not use for construction. Consult R.R. Brink
Customer Service Personnel for templates.

ORDERING INFORMATION

Model	Description
7012	Keyed one side
7016	Keyed one side

Mechanical Locks

7010 & 7010M Mechanical Deadbolt Lock

APPLICATION

The 7010 is the industry standard lever tumbler deadbolt widely used in correctional facilities for maximum security locking of utility access panels.
The 7010 is recommended for key controlled locking of electrical and plumbing access panels, roof hatches, and miscellaneous small openings within the secure perimeter of a jail or prison.
The 7010 is not recommended for use on full size doors. Both locking and unlocking is accomplished with a proprietary RRBLS paracentric type key. The key cannot be removed from the lock unless the bolt is fully extended and deadlocked. This safety feature alerts the user to an obstruction in the bolt keeper or receiver which would jeopardize security.

STANDARD FEATURES

- Industry standard template
- Investment cast steel lock case, zinc plated
- Stainless steel deadbolt
- One piece bronze paracentric cylinder (No. 7010) or Mogul cylinder (No. 7010M)
- Bolt retracted projection: 1/2” – 7010, 3/8” – 7010M
- Bolt throw: 5/8”
- Bolt size: 1-1/2” x 3/4”

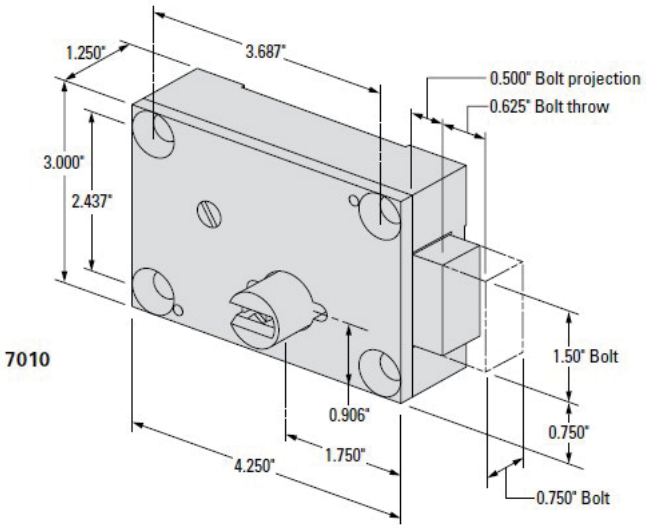
Accessories (must be ordered separately)
- **Prison key** – Investment cast bronze alloy – specify quantity of keys required
- **Bolt keepers**

7010K standard mortise
7010KD mortise with dust box
7010SA surface applied

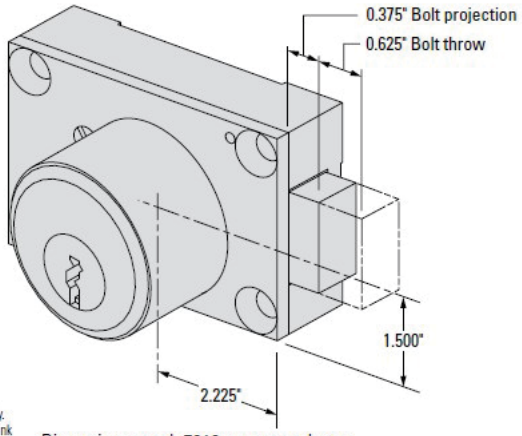
Lock Mountings (must be ordered separately): The access panel manufacturer usually provides a mounting plate for the 7010 lock. Otherwise RRBLS factory mountings are available for hollow metal and plate doors. They are constructed of 7-gauge steel and electroplated for corrosion resistance. Mounting is removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.
- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim mounted.

Mechanical Locks

7010 & 7010M Mechanical Deadbolt Lock



7010



7010M

Note: This illustration is for information only. Do not use for construction. Consult R.R. Brink Customer Service Personnel for templates.

Dimensions match 7010 except as shown.

ORDERING INFORMATION

Model	Description
7012 or 7012M	Keyed one side
7016 or 7016M	Keyed both sides

Mechanical Locks

7017 & 7017M Mechanical Deadbolt Lock

APPLICATION

The 7017 latch is ordinarily specified for use in any type of food pass, observation panel, wicket door, or other small swing door openings.
The lock's steel case and cover are zinc plated to provide resistance to corrosion. The 7017 has six lever tumblers with heavy springs for pick resistance.
The 7017M latch utilizes the same lock case as the 7017, but is fitted with a mogul key cylinder.
Note: Do not use the 7017 or 7017M as the primary lock for full size doors or when dead latching is a requirement.

STANDARD FEATURES - 7017

- Investment cast steel lock case, zinc plated
- Investment cast, bronze alloy, paracentric key cylinder.
- Stainless steel latch
- Six hard brass lever-tumblers
- Heavy bronze tumbler springs
- Random-depth key cuts impede "picking"
- Lever tumblers are provided with "anti-pick" notches for both locked and unlocked condition
- Latch retracted projection: 1/4"
- Latch throw: 1/2"
- Latch size: 1-1/2" x 3/4"
- Four mounting screws included

Accessories (must be ordered separately)
- **Prison paracentric key** – Investment cast bronze alloy – specify quantity of keys required

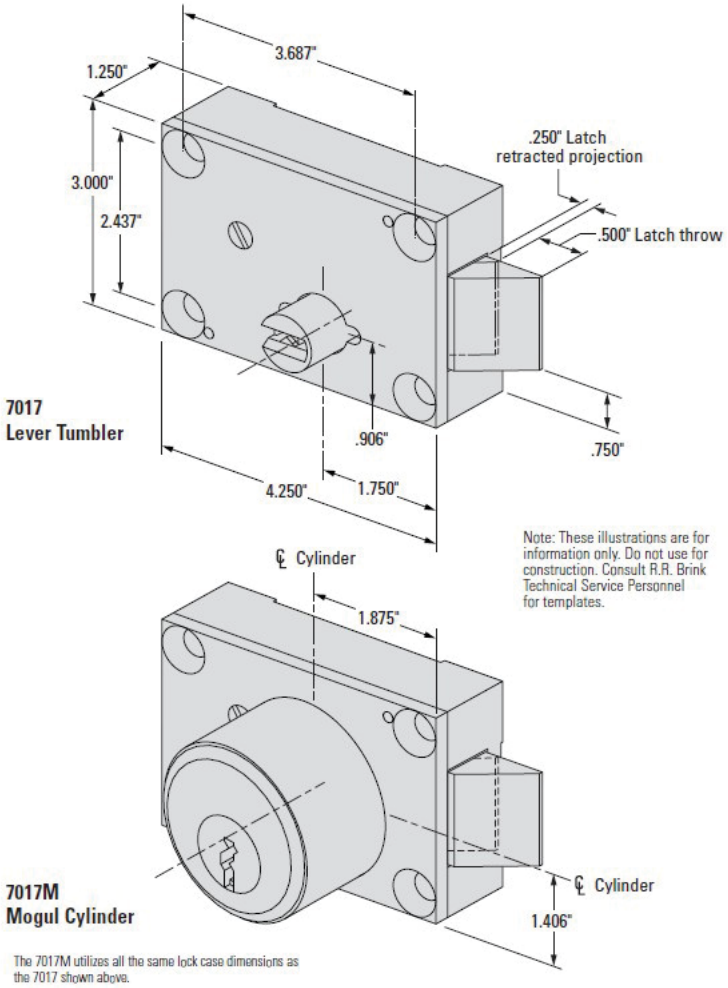
Mechanical Locks

7017 & 7017M Mechanical Deadbolt Lock

Standard Features - 7017M

- Investment cast steel lock case, zinc plated
- Stainless steel latch
- Latch retracted projection: 1/4”
- Latch throw: 1/2”
- Latch size: 1-1/2” x 3/4”
- Four mounting screws included

Accessories (must be ordered separately)
- **Prison paracentric key** – Investment cast bronze alloy – specify quantity of keys required



Mechanical Locks

7030 & 7030D Mechanical Locks

APPLICATION

The 7030D is a lever tumbler deadbolt for sliding doors affording maximum security locking. In a detention facility, the 7030D is recommended for key locking and unlocking of sliding doors within the secure perimeter, e.g. cells, dayroom, and corridor sally ports. Both locking and unlocking are accomplished with a proprietary RRBLS paracentric type key. Key rotation of 180° moves the hook bolt from the locked to unlocked position and vice versa. The 7030D does not slam lock. When locking, the key cannot be removed if an obstruction in the bolt keeper prevents the hook bolt from fully dropping into the horizontal deadlocked position. This safety feature alerts the user to an obstruction in the bolt keeper or receiver which would jeopardize security.

The 7030 has the same construction and dimensions as the 7030D except that it incorporates an automatic deadlocking feature actuated upon closing of the door by depression of an auxiliary pin. It is used when the convenience of slam closing and automatic (i.e. keyless) deadlocking is of high priority. However, application of the 7030 should be limited to correctional facility locations where inmates should not have unaccompanied access such as high usage corridor and support room doors (e.g. control, kitchen, laundry, visitation areas). The 7030 should not be used to secure doors in inmate living areas, especially cells. The reason being is that the 7030 does not require manual deadlocking by key as does the 7030D deadbolt. The automatic deadlocking feature can engender a false sense of security among correctional officers that can be taken advantage of by an inmate surreptitiously obstructing the lock bolt keeper to block full engagement of the hook bolt in the keeper. When this occurs, the automatic deadlocking function is foiled and the hook bolt can be lifted to effect a breach of security.

Mechanical Locks

7030 & 7030D Mechanical Locks

STANDARD FEATURES

- Industry standard template
- Cast ductile iron lock case, zinc plated
- Investment cast, bronze alloy, one piece key cylinder
- Zinc plated, case hardened hook bolt
- Six hard brass lever-tumblers
- Heavy bronze tumbler spring
- Random-depth key cuts impede “picking”
- Lever tumblers are provided with “anti-pick” notches for both locked and unlocked condition
- Four mounting screws included

Accessories (must be ordered separately)
- **Prison paracentric key** – Investment cast bronze alloy – specify number of keys required
- **Bolt keeper-** BKD mortise with dust box
- **Escutcheon** – U.S. 32D or U.S. 4 finish.
- **Cylinder shield** – A surface applied flap which closes off the keyway to outside debris at exterior locations – U.S. 32D finish only.

Lock Mountings (must be ordered separately) The 7030 lever-tumbler lock should be mounted, enclosed, and protected with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with a galvanized finish for superior corrosion-resistance. Mountings are removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.
- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim mounted.
- **Grille Mounting** (specify G Mounting) – for use on grille (steel bar) type doors. Designed for welding to grille.

ORDERING INFORMATION

Model	Description
7032	Keyed one side
7036	Keyed two sides
7032D	Keyed one side
7036D	Keyed two sides

Mechanical Locks

7060 Deadlatch

APPLICATION

The 7060 is a lever-tumbler latch appropriate for jail and prison holding cells, storage rooms, and passage doors where the convenience of slam locking makes it preferable to the RRBLS 7080 deadbolt. Unlocking and locking of the beveled bolt is by an RRBLS paracentric key. When a door is closed, deadlocking of the 7060 requires two revolutions of the key. It is important that correctional officers observe this requirement to avoid a security breach by clandestine latch retraction with end force (e.g. “carding”).
As an option, the 7060 is available with latch retraction by knob or “Lever Eskort” (see inset above) sets. These models are designated 7060K and 7060L, respectively. When the latch is deadlocked by two turns of the key, the knobs or levers are rendered inactive, i.e. rigid.

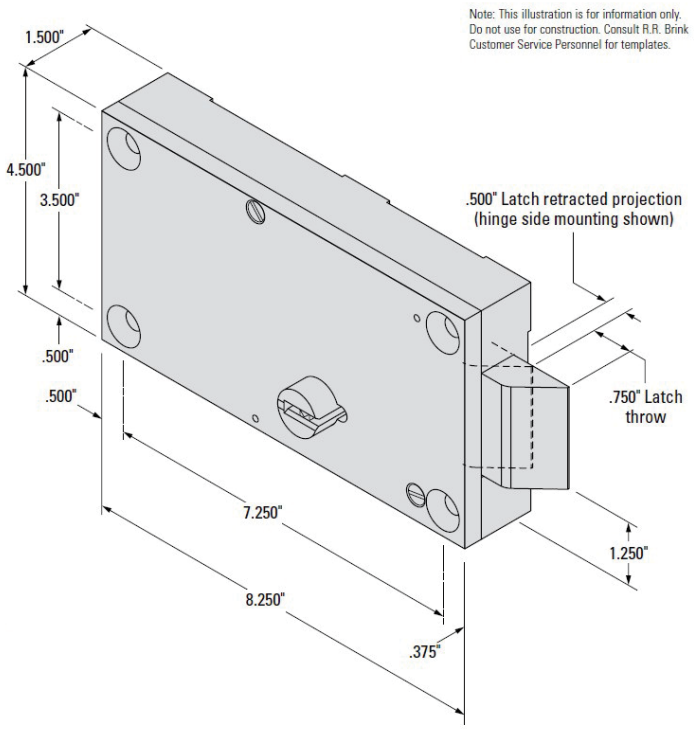
STANDARD FEATURES

- Industry standard template
- Cast ductile iron lock case, zinc plated
- Investment cast, bronze alloy, one-piece key cylinder
- Zinc plated steel deadlatch with two hardened steel inserts
- Six hard brass lever tumblers
- Heavy bronze tumbler spring
- Random-depth key cuts impede “picking”
- Lever tumblers are provided with “anti-pick” notches for both locked and unlocked condition
- Latch throw: 3/4”
- Latch retracted projections: 1/2” (with hinge side mounting); 1-1/4” (with stop side mounting).
- Latch size: 2” x 3/4”.
- Four mounting screws included

Mechanical Locks

7060 Deadlatch

STANDARD FEATURES CNT.



Accessories (must be ordered separately)

- **Prison paracentric key** – Investment cast bronze alloy – specify number of keys required
- **Bolt keepers**

K standard mortise
KD mortise with dust box
KS mortise with indication switch
KSA surface applied

- **Escutcheon** - Satin Stainless Steel – (ANSI 630, US32D) Satin Brass – (ANSI 606, US4)
- **Cylinder shield** – A surface applied flap which closes off the keyway to outside debris at exterior locations – ANSI 630, US32D finish only.

Lock Mountings (must be ordered separately)
The 7060 lock should be encased and protected on the door with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with an electroplated finish for corrosion resistance. Mountings are removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.

- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim-mounted.
- **Grille Mounting** (specify G Mounting) – for use on grille (steel bar) type doors. Designed for welding to grille.

ORDERING INFORMATION

Model	Description	Keyed two sides
7062	Keyed one side	Paracentric key
7066	Keyed two sides	Paracentric key
7062K	Keyed one side	Knob
7066K	Keyed two sides	Knob
7062L	Keyed one side	Lever Eskort
7066L	Keyed two sides	Lever Eskort

Mechanical Locks

7060 & 7060M Deadlatch

APPLICATION

The 7060 is a lever-tumbler latch appropriate for jail and prison holding cells, storage rooms, and passage doors where the convenience of slam locking makes it preferable to the RRBLS 7080 deadbolt. Unlocking and locking of the beveled bolt is by an RRBLS paracentric key. When a door is closed, deadlocking of the 7060 requires two revolutions of the key. It is important that correctional officers observe this requirement to avoid a security breach by clandestine latch retraction with end force (e.g. “carding”).
As an option, the 7060 is available with latch retraction by knob or “Lever Eskort” (see inset above) sets. These models are designated 7060K and 7060L, respectively. When the latch is deadlocked by two turns of the key, the knobs or levers are rendered inactive, i.e. rigid.

STANDARD FEATURES

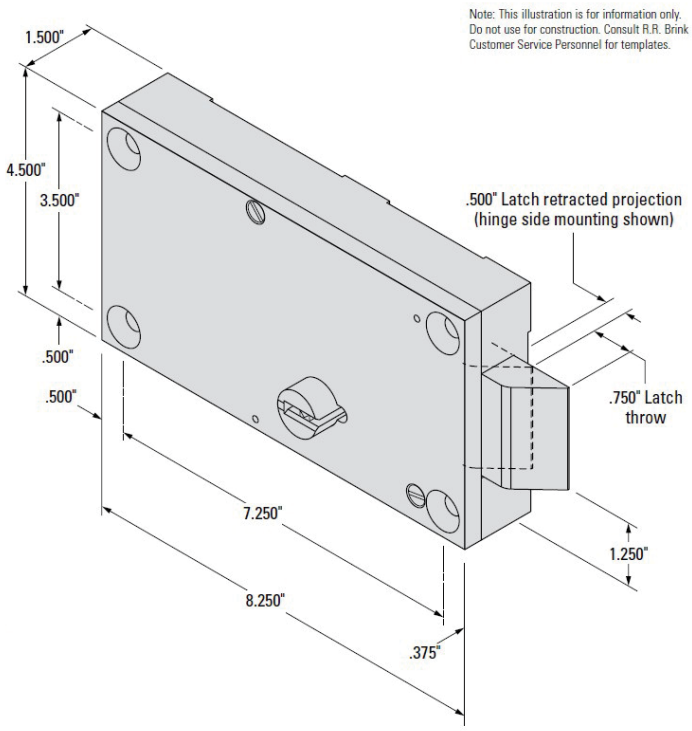
• Industry standard template
• Malleable iron lock case, zinc plated
• 7060 – Integral, bronze alloy investment cast, one piece paracentric key cylinder. 7060M – fitted for a 2” diameter cylinder - priced separately – see “Key Cylinder” catalog sheet.
• Zinc plated steel deadlatch with two hardened steel inserts
• 7060 – Six hard brass lever tumblers Heavy bronze tumbler spring, random-depth key cuts impede “picking”, lever tumblers are provided with “anti-pick” notches for both locked and unlocked condition
• Latch throw: 3/4”
• Latch retracted projections: 1/2” (with hinge side mounting); 1-1/4” (with stop side mounting).
• Latch size: 2” x 3/4”.
• Four mounting screws included

Accessories (must be ordered separately)
• Prison mogul and paracentric key – Investment cast bronze alloy – specify number of keys required
• Bolt keepers
K standard mortise
KD mortise with dust box
KS mortise with indication switch
KSA surface applied

Mechanical Locks

7060 & 7060M Deadlatch

STANDARD FEATURES CNT.



- **Escutcheon** - Satin Stainless Steel – (ANSI 630, US32D)
- **Cylinder shield** – A surface applied flap which closes off the keyway to outside debris at exterior locations – ANSI 630, US32D finish only.

Lock Mountings (must be ordered separately) The 7060 lock should be encased and protected on the door with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with an electroplated finish for corrosion resistance. Mountings are removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.

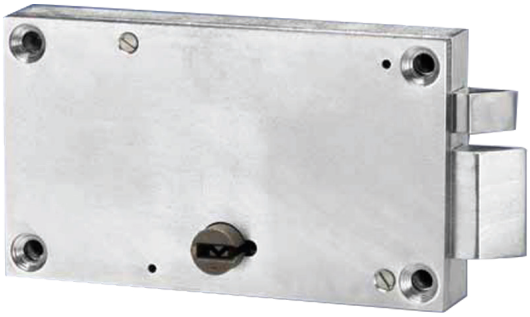
- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim-mounted.
- **Grille Mounting** (specify G Mounting) – for use on grille (steel bar) type doors. Designed for welding to grille.

ORDERING INFORMATION

Model	Description	Keyed two sides
7062	Keyed one side	Paracentric key
7066	Keyed two sides	Paracentric key
7062K	Keyed one side	Knob
7066K	Keyed two sides	Knob
7062L	Keyed one side	Lever Eskort
7066L	Keyed two sides	Lever Eskort

Mechanical Locks

7070 Mechanical Deadlatch



APPLICATION

The 7070 is a lever-tumbler latch with automatic deadlocking via an auxiliary latch. It is used when the convenience of slam closing and automatic (i.e. keyless) deadlocking is of high priority. However, application of the 7070 should be limited to correctional facility locations where inmates should not have unaccompanied access such as high-usage corridor and support room doors (e.g. control, kitchen, laundry, visitation areas). The 7070 should not be used to secure doors in inmate living areas, especially cells. This is because the 7070 does not require manual deadlocking by key as do the RRBLS Models 7060 latch and the 7080 deadbolt. The automatic deadlocking feature can engender a false sense of security among correctional officers that can be taken advantage of by an inmate surreptitiously obstructing the lock bolt keeper to block full extension of the latch. When this occurs, the automatic deadlocking function is foiled and the latch can be retracted with end force (e.g. carding) to effect a breach of security.

STANDARD FEATURES

- Industry standard template.
- s/b ductile iron cast lock case, zinc plated.
- Investment cast, bronze alloy, one-piece key cylinder.
- Zinc plated steel deadlatch with two hardened steel inserts.
- Six hard brass lever tumblers
- Heavy bronze tumbler springs.
- Random-depth key cuts impede “picking”.
- Lever tumblers are provided with “anti-pick” notches for both locked and unlocked condition.
- Latch throw: 3/4”
- Latch retracted projections:

1/2” (with hinge side mounting);
1-1/4” (with stop side mounting).

- Latch size: 2” x 3/4”.
- Four (4) mounting screws included.

Accessories (must be ordered separately)

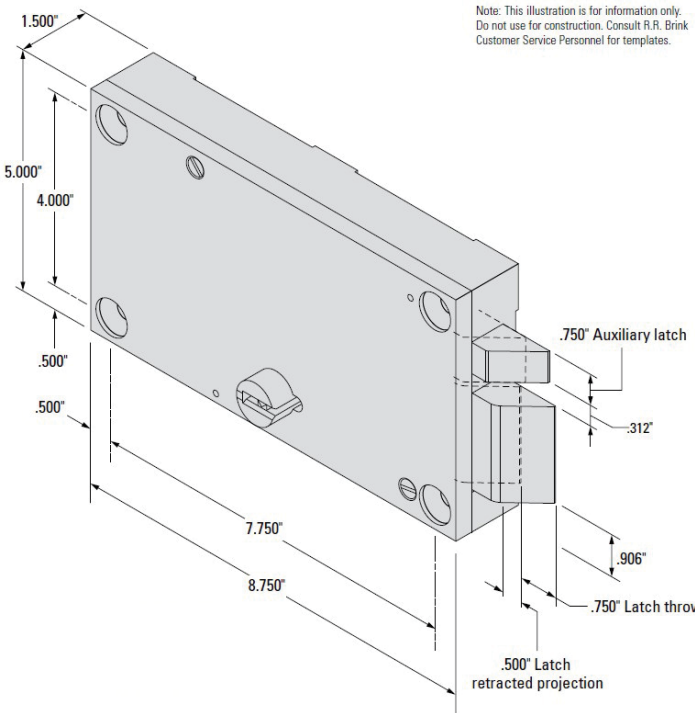
- Prison paracentric key – Investment cast bronze alloy – specify number of keys required
- Bolt keepers (see illustrations on front page)

K standard mortise
KD mortise with dust box
KS mortise with indication switch
KSA surface applied

Mechanical Locks

7070 Mechanical Deadlatch

STANDARD FEATURES CNT.



- **Escutcheon** - Satin Stainless Steel – (ANSI 630, US32D) Satin Brass – (ANSI 606, US4)
- **Cylinder shield** – A surface applied flap which closes off the keyway to outside debris at exterior locations – ANSI 630, US32D finish only.

Lock Mountings (must be ordered separately) The 7070 lock should be encased and protected on the door with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with an electroplated finish for corrosion resistance. Mountings are removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.

- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim-mounted.
- **Grille Mounting** (specify G Mounting) – for use on grille (steel bar) type doors. Designed for welding to grille.

ORDERING INFORMATION

Model	Description
7072	Keyed one side
7076	Keyed two sides

Mechanical Locks

7070 & 7070M Mechanical Deadlatch

APPLICATION

The 7070 is a lever-tumbler latch with automatic deadlocking via an auxiliary latch. It is used when the convenience of slam closing and automatic (i.e. keyless) deadlocking is of high priority. However, application of the 7070 should be limited to correctional facility locations where inmates should not have unaccompanied access such as high-usage corridor and support room doors (e.g. control, kitchen,
laundry, visitation areas).

Warning: The 7070 should not be used to secure doors in inmate living areas, especially cells. This is because the 7070 does not require manual deadlocking by key as do the RRBLS Models 7060 latch and the 7080 deadbolt. The automatic deadlocking feature can engender a false sense of security among correctional officers that can be taken advantage of by an inmate surreptitiously obstructing the lock bolt keeper to block full extension of the latch. When this occurs, the automatic deadlocking function is foiled and the latch can be retracted with end force (e.g. carding) to effect a breach of security.

STANDARD FEATURES

- Industry standard template.
- Malleable iron cast lock case, zinc plated.
- 7070 – Integral, bronze alloy investment cast, one piece paracentric key cylinder. 7070M – fitted for a 2” diameter cylinder - priced separately – see “Key Cylinder” catalog sheet.
- Zinc plated steel deadlatch with two hardened steel inserts.
- 7070 – Six hard brass lever tumblers Heavy bronze tumbler spring, random-depth key cuts impede “picking”, lever tumblers are provided with “anti-pick” notches for both locked and unlocked condition
- Latch retracted projections: 1/2” (with hinge side mounting); 1-1/4” (with stop side mounting).
- Latch size: 2” high x 3/4” throw.
- Four (4) mounting screws included.

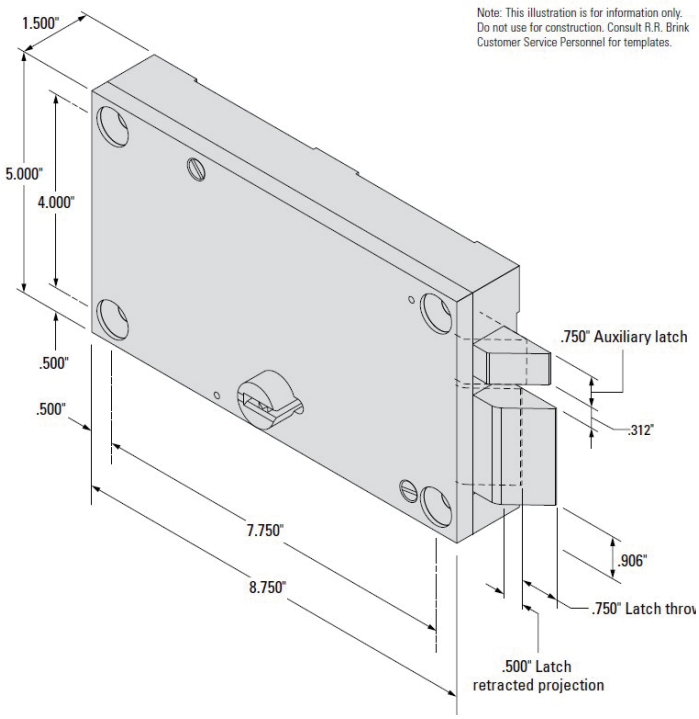
Accessories (must be ordered separately)

- **Prison mogul and paracentric key** – Investment cast bronze alloy – specify number of keys required

Mechanical Locks

7070 & 7070M Mechanical Deadlatch

STANDARD FEATURES CNT.



- • **Bolt keepers** (see illustrations on front page)
- **K** standard mortise
- **KD** mortise with dust box
- **KS** mortise with indication switch
- **KSA** surface applied
- **Escutcheon** - Satin Stainless Steel – (ANSI 630, US32D) Satin Brass – (ANSI 606, US4)
- **Cylinder shield** – A surface applied flap which closes off the keyway to outside debris at exterior locations – ANSI 630, US32D finish only.

Lock Mountings (must be ordered separately) The 7070 and 7070M locks should be encased and protected on the door with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with an electroplated finish for corrosion resistance. Mountings are removable for cleaning and repair of lock. Escutcheons must be purchased separately. All mounting screws are included. Consult factory directly for template of lock mountings.

- **Hollow Metal Mounting** (specify HM Mounting) – for use on hollow metal doors.
- **Plate Mounting** (specify P Mounting) – for use on steel plate doors. Allows lock to be rim-mounted.
- **Grille Mounting** (specify G Mounting) – for use on grille (steel bar) type doors. Designed for welding to grille.

ORDERING INFORMATION

Model	Description
7072 or 7072M	Keyed one side
7076	Keyed two sides

Mechanical Locks

7080 & 7080M Mechanical Deadlatch

APPLICATION

The 7080 and the 7080M are the industry standard deadbolts widely used in correctional facilities for maximum security key-controlled locking. The 7080 and the 7080M are recommended for openings within the secure perimeter of a jail or prison such as cells, armories, pharmacies, entry and passage doors.

Both locking and unlocking are accomplished with a proprietary RRBLS key – mogul or paracentric.

The key cannot be removed from the lock unless the bolt is fully extended (i.e. deadlocked) or fully retracted. This safety feature alerts the user to an obstruction in the bolt keeper or receiver which might jeopardize security.

The 7080 is independent testing laboratory certified to meet the impact test criteria for Security Grade 1 as set forth in ASTM Standards F1450 and F1577.

STANDARD FEATURES

- Industry standard template
- Investment cast steel lock case, zinc plated
- 7080 – key cylinder for paracentric key - investment cast of silicon bronze 7080M – fitted for a 2” diameter (2.000 x 27 thread) cylinder - priced separately
- Zinc-plated deadbolt with three hardened steel inserts
- 7080 – six brass lever tumblers with “anti-pick” notches and bronze springs
- Bolt retracted projection: 1/2” (for hinge-side mounting), 1-1/4” (for stop-side mounting)
- Bolt size: 7080 – 3/4”W x 2”H with 3/4” bolt throw; 7080M – 3/4”W x 1.75”H with 1” bolt throw
- Four mounting screws included

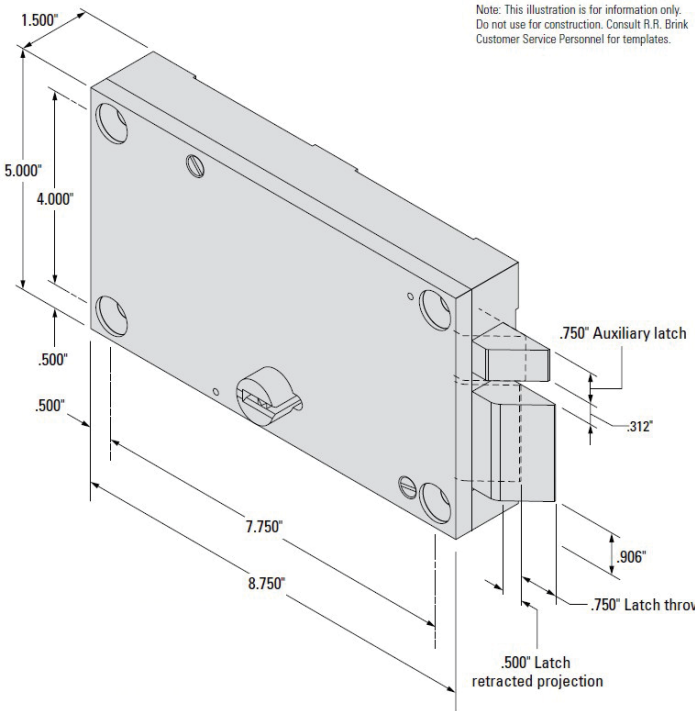
Accessories (must be ordered separately)
- **MOG** – Model 7080M supplied with RRBLS Mogul proprietary 2” diameter, 6-pin detention grade cylinder (UL- 437 listed).
- **Mogul or paracentric keys** – specify number of keys required

Mechanical Locks

7080 & 7080M Mechanical Deadlatch

STANDARD FEATURES CNT.

- • **Bolt keepers** (see illustrations on front page)
- **K** standard mortise
- **KD** mortise with dust box
- **KS** mortise with indication switch
- **KSA** surface applied
- **Escutcheon** - 7080 only) – specify one-way or two-way: A one-way escutcheon permits key removal only when the bolt is in the extended (i.e. deadlocked) position; a two-way escutcheon permits key removal in both the locked and unlocked position. Finish: Satin Stainless Steel (ANSI 630,US32D).
- **Cylinder shield (7080 only)** – A surface applied flap which closes off the keyway to outside debris at exterior locations. Finish: Satin Stainless Steel (ANSI 630, US32D).



Lock Mountings (must be ordered separately)
The 7080 and 7080M locks should be mounted, enclosed, and protected with an appropriate steel mounting. Mountings are constructed of 7-gauge steel with an electroplated finish for corrosion resistance. Mountings are removable for lock cleaning and repair. Escutcheons must be purchased separately. All mounting screws are included. Consult factory for template of lock mountings.

- **Hollow Metal Mounting** – specify 7080HM or 7080MHM Mounting.
- **Plate Mounting** – specify 7080P or 7080MP Mounting.
- **Grille Mounting** – specify 7080G or 7080MG Mounting. Designed for welding to grille.

ORDERING INFORMATION

Model	Description
7072 or 7072M	Keyed one side
7076	Keyed two sides

Mechanical Locks

9000 Panel Locks

APPLICATION

The 9000 Series consists of the Model 9010 deadbolt and Models 9017 and 9025 automatic deadlocking latches. In a detention facility, these locks are appropriate for securing utility access doors and small in-door shutters such as a food pass. Commercial building application possibilities are numerous and include the locking of all types of panels that provide access to mechanical spaces. The 9000 Series is not recommended for use on full-size passage doors.

Model 9010 – A deadbolt requiring key locking and unlocking. It is fitted to accept a standard commercial mortise key cylinder with a "Yale" cam.

Model 9017 – An automatic deadlocking latch affording the convenience of "slam" locking. It is fitted to accept a standard commercial mortise key cylinder with a "Yale" cam.

Model 9025 – An automatic deadlocking latch affording the convenience of "slam" locking. It is fitted to accept an RRBLS proprietary Mogul key cylinder.

Standard Features

9010 and 9017

- Aluminum bronze lock case.
- Bolt (9010), latch (9017), springs, pins, and screws are stainless steel.
- 9010 bolt dimensions Throw: 5/8" (mortise 9/16") 1/2" projection when bolt is retracted. Bolt width 1"
- 9017 latch dimensions Throw: 5/8" (mortise 9/16") Flush when retracted. Latch width 1"
- Case dimensions: 3" x 4-1/4" x 1-1/4"
- Face plate finishes for mortise mountings: Satin Stainless Steel – (ANSI 630, US32D) Satin Brass – (ANSI 606, US4)

9025

- Aluminum bronze lock case.
- Springs, pins, and screws are stainless steel.
- Mogul cylinder
- Latch throw: 5/8". Flush when retracted.
- Latch width 1"
- Case dimensions: 3" x 4-1/4" x 1-1/4"Brass – (ANSI 606, US4)

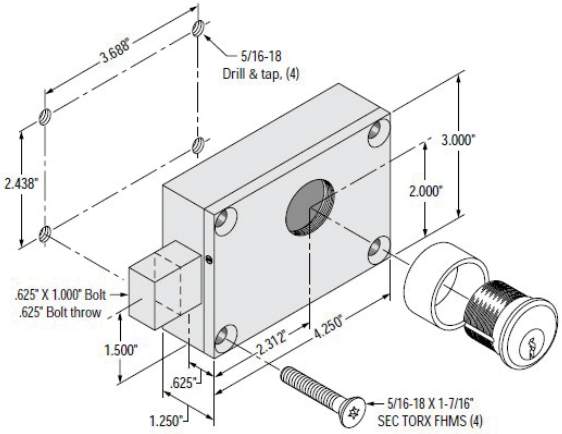
Mechanical Locks

9000 Panel Locks

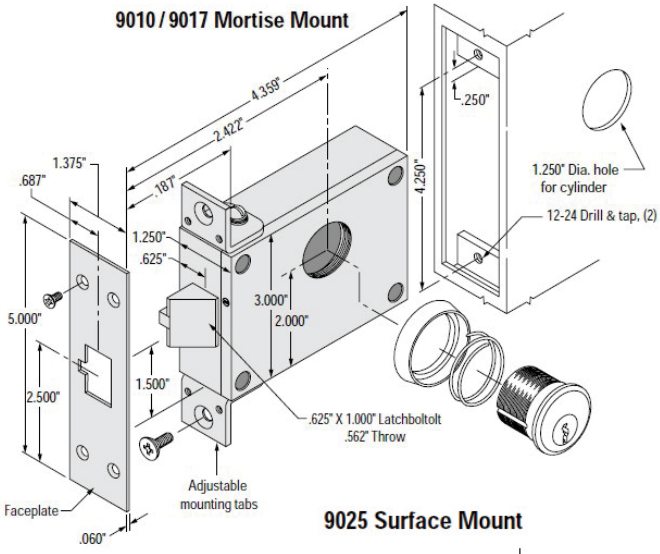
OPTIONAL FEATURES

- **Factory key cylinder** – (specify FKC and all keying information) high security mortise type with specified finish. Includes cylinder guard ring.
- **Bolt projection** – (for model 9010 only) custom bolt projection for special applications available. Consult factory for recommendations.

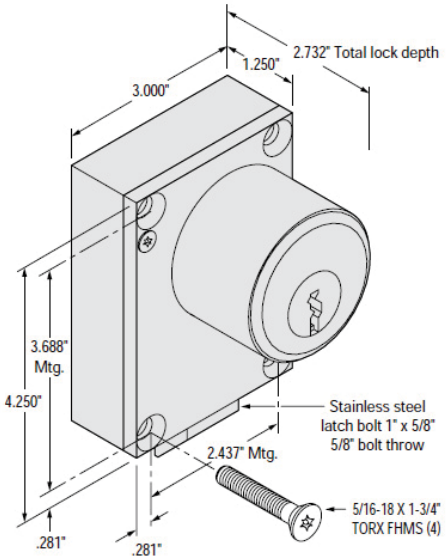
9010 / 9017 Surface Mount



9010 / 9017 Mortise Mount



9025 Surface Mount



ORDERING INFORMATION

Model	Description
7072 or 7072M	Keyed one side
7076	Keyed two sides

RR Brink

Gate Locks

Gate Locks

8030 Swinging Gate Lock

APPLICATION

The 8030 is a medium-duty electromechanical lock for remote controlled electrical and manual key unlocking of a chain link fence gate. Deadlocking is automatic when the gate is closed manually. Electrical actuation is via a 24VDC solenoid and manual unlocking is by a standard mortise key cylinder supplied by either the factory or the user (e.g. master keyed to an existing system). The 8030 can provide the convenience of remote controlled unlocking for a range of medium security gate locking applications from industrial and institutional enclosures to residential sites. It complements controlled access systems (e.g. card reader and touch pad actuators) where a low voltage/ power lock is a requisite.

The 8030 consists of a lock housing designed for fence post mounting. A mating strike enclosure mounts on the gate post and shields the lock front and bolt when the gate is closed. All parts are of corrosion resistant materials (i.e. brass, stainless steel, and galvanized steel). An integral lock status switch provides positive indication of a deadlocked or unlocked bolt via a pilot light and/or alarm circuit.

• Key operation of the 8030 is by a commercial pin tumbler cylinder. This feature facilitates the use of owner-supplied cylinders keyed to an existing system. Specify one or two side keying.
• After initial installation, caulking of the lock enclosure is recommended for weather proofing. Also, at installations subject to freezing conditions, a resistance-heating strip mounted to the internal lock case is recommended to prevent icing of the lock mechanism. (Not Provided by R.R. Brink)

Standard Features

- Electric unlocking actuated by a 24VDC solenoid (1.4 amp in-rush, 0.3 amp seated).
- Manual key operation by a standard mortise cylinder (1-1/8” long) with “Yale”cam and furnished by either the factory or end user. Can be specified for one (K1S) or two (K2S) side keying. Optional factory key cylinder (FKC) is available, see Optional Feature below.
- Lock status switch provides positive indication of a deadlocked bolt (125/250VAC, 5 amp, SPDT)
- Steel lock enclosure and mounting components with electroplated finish. Lock working parts are non-ferrous or stainless steel.
- Lock and strike enclosure mounting brackets are adjustable for 2” to 5” O.D. fence post and 1/2” to 4-1/2” O.D. gate post, respectively.(A nominal 2-1/2” gap between fence and gate posts is required.)
- Field wiring is to quick disconnect plug for ease of installation and maintenance.

Gate Locks

8030 Swinging Gate Lock

STANDARD OPERATION

With electrical control by a momentary switch, the lock bolt will retract (unlock) when power is applied. The latch will stay in the retracted (unlocked) position until power is interrupted when it will project and the gate can be closed and dead-locked automatically. Mechanical unlocking is by key at all times.

OPTIONAL FEATURES

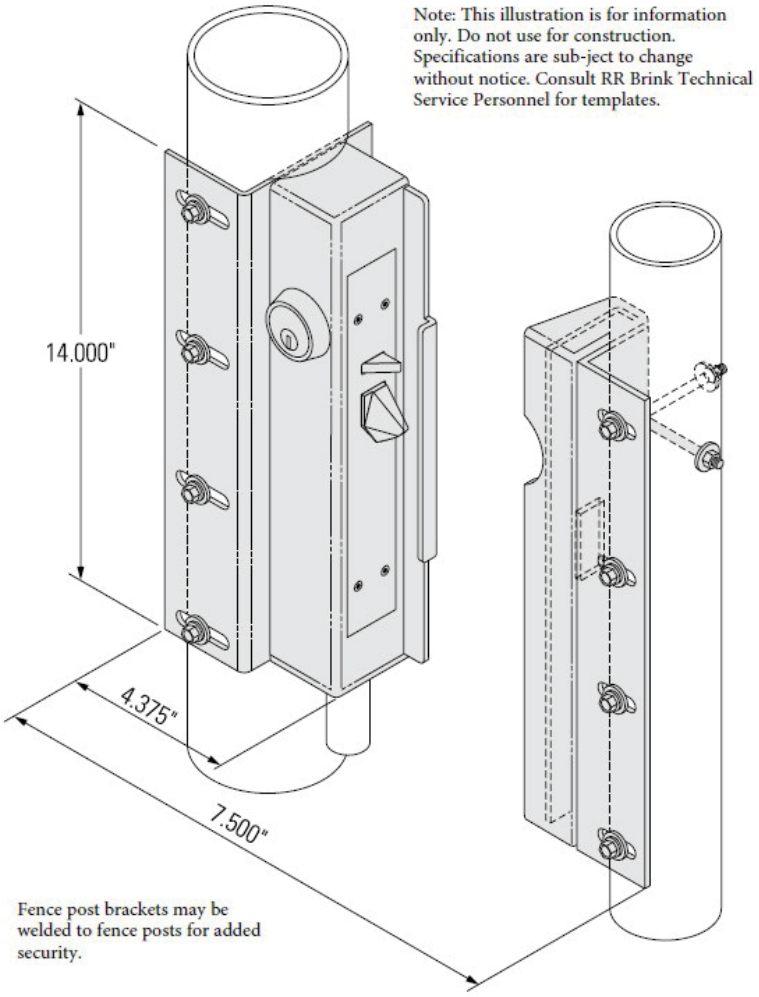
- Factory supplied key cylinder (FKC) – high security mortise brand

ORDERING INFORMATION

When ordering the 8030 Gate Lock please specify the following:

- Lock hand (see “Hand of Locks” page)
- One or two side keying – K1S or K2S
- Outside diameter of gate (GOD) and fence (FOD) posts
- Optional feature - Factory supplied key cylinder – FKC

Example: 8030 x FKC x K1S x LHR x 4.0”FOD x 2.0”GOD



Gate Locks

8050 Swinging Gate Lock

APPLICATION

The 8050 is a heavy-duty electromechanical lock for a swinging chain link fence gate. Standard electrical operation is by a 120VAC solenoid and manual operation is by a pin tumbler key cylinder. The 8050 is recommended for high security gate locking at institutional, industrial, commercial and governmental buildings.

The 8050 consists of a lock enclosure designed for fence mounting. A mating gate mounted strike enclosure serves to shield the lock front and bolt when the gate is closed. As a unique feature when the gate is closed, holes in the strike housing engage with studs in the lock enclosure providing an interlocked connection between the gate and fence to prevent spreading.

All parts are of corrosion-resistant materials (i.e. brass, stainless steel, and galvanized steel). An integral lock status switch provides positive indication of a deadlocked or unlocked bolt via a pilot light and/or alarm circuit.

Key operation is by either a commercial pin tumbler or prison "Mogul" cylinder. This feature facilitates the use of owner-supplied cylinders keyed to an existing system. Specify one or two side (with key cylinder extension) keying.

After initial installation, caulking of the lock enclosure is recommended for weather proofing. Also, at installations subject to freezing conditions, a resistance-heating strip mounted to the internal lock case is recommended to prevent icing of the lock mechanism. (Not Provided By R. R. Brink)

Standard Features

- Electric unlocking actuated by a 120VAC solenoid (10 amp in-rush, 1.2 amp seated).
- Manual key operation by a standard mortise cylinder (1-1/8" long) with "Yale" cam and furnished by either the factory or end user.
- One or two side keying – see optional factory key cylinder (FKC), and key cylinder extension (KCE).
- Lock status switch provides positive indication of a deadlocked bolt. Steel lock enclosure and mounting components with electroplated finish. Lock working parts are non-ferrous or stainless steel.
- Lock and strike enclosure mounting brackets are adjustable. For a lock keyed two sides, the fence post outer diameter must be 4" to 5". For a lock keyed one side, the fence post outer diameter must be 2.5" to 5". The gate post outer diameter must be 2" to 4".
- Field wiring is to quick-disconnect plug for ease of installation and maintenance.

Gate Locks

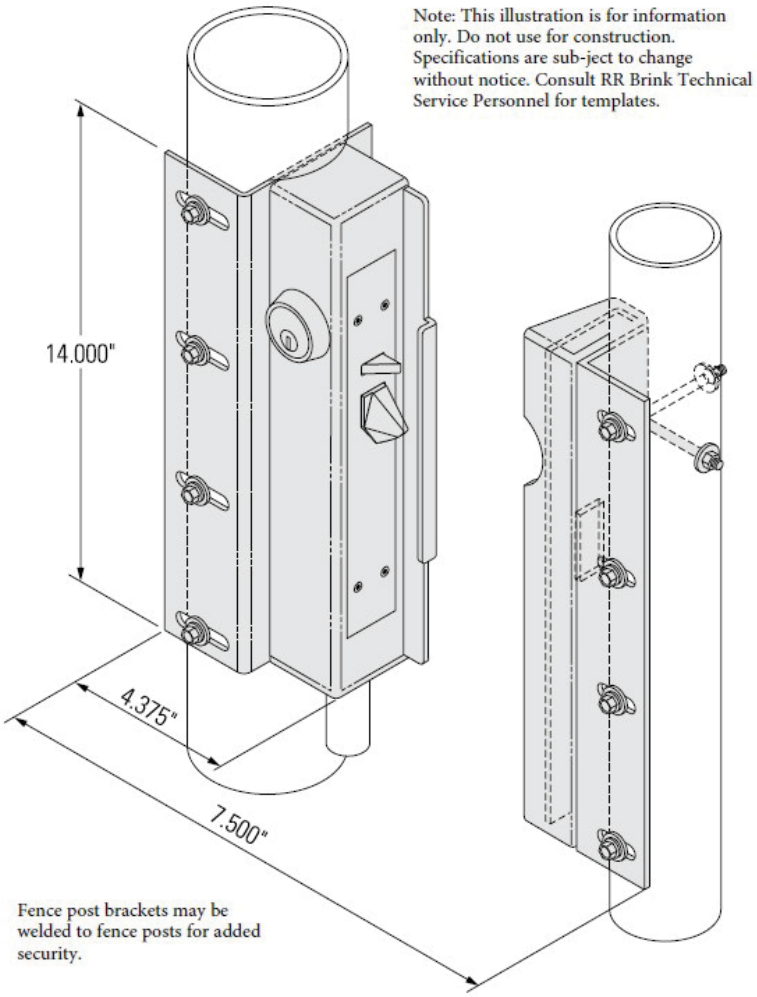
8050 Swinging Gate Lock

STANDARD OPERATION

With electrical control by a momentary switch, the lock bolt will retract (unlock) when power is applied. The latch will stay in the retracted (unlocked) position until the gate is opened when it will project and the gate can be closed and deadlocked automatically. Mechanical unlocking by key at all times.

OPTIONAL FEATURES

- Factory supplied key cylinder (FKC) – specify standard mortise or Mogul (see Key Cylinder catalog page).
- Key cylinder extension (KCE) – required for two sided keying or for key operation on fence post side opposite the lock mounting. Specify outside diameter of fence post (4” O.D. minimum required). Consult factory if fence post outside diameter is not 4”.
- Motor operation (M) – specify for maintained switch control when a gate is to be unlocked (i.e. latch bolt held
- retracted) for extended periods (see MSLH on “Motor Lock Function” catalog page).
- Available voltages – 24VDC and 120VAC.



ORDERING INFORMATION

When ordering the 8050 Gate Lock please specify the following:

- Lock Hand (see “Hand of Locks” catalog page)
- One or two side keying – K1S or K2S
- Outside diameter of gate (GOD) and fence (FOD) posts
- Optional features

Example: 8050 x LHR x FKC-standard x 3.0” GOD x 4.0” FOD x KCE

Gate Locks

8055 Swinging Gate Lock

APPLICATION

The 8055 is a heavy-duty electromechanical-cal lock for a sliding chain link fence gate. Standard electrical operation is by a 120VAC solenoid and manual operation is by a pin tumbler key cylinder. The 8055 is recommended for high security gate locking at institutional, industrial, commercial and governmental buildings.

The 8055 consists of a lock enclosure designed for fence mounting. A mating gate mounted strike enclosure serves to shield the lock front and hook bolt when the gate is closed. All parts are of corrosion resistant materials

(i.e. brass, stainless steel, and galvanized steel). An integral lock status switch provides positive indication of a deadlocked or unlocked bolt via a pilot light and/or alarm circuit.

Key operation is by either a commercial pin tumbler or prison “Mogul” cylinder. This feature facilitates the use of owner-supplied cylinders keyed to an existing system. Specify one or two side (with optional key cylinder extension) keying.

After initial installation, caulking of the lock enclosure is recommended for weather proofing. Also, at installations subject to freezing conditions, a resistance-heating strip mounted to the internal lock case is recommended to prevent icing of the lock mechanism. (Not Provided by R. R. Brink)

Standard Features

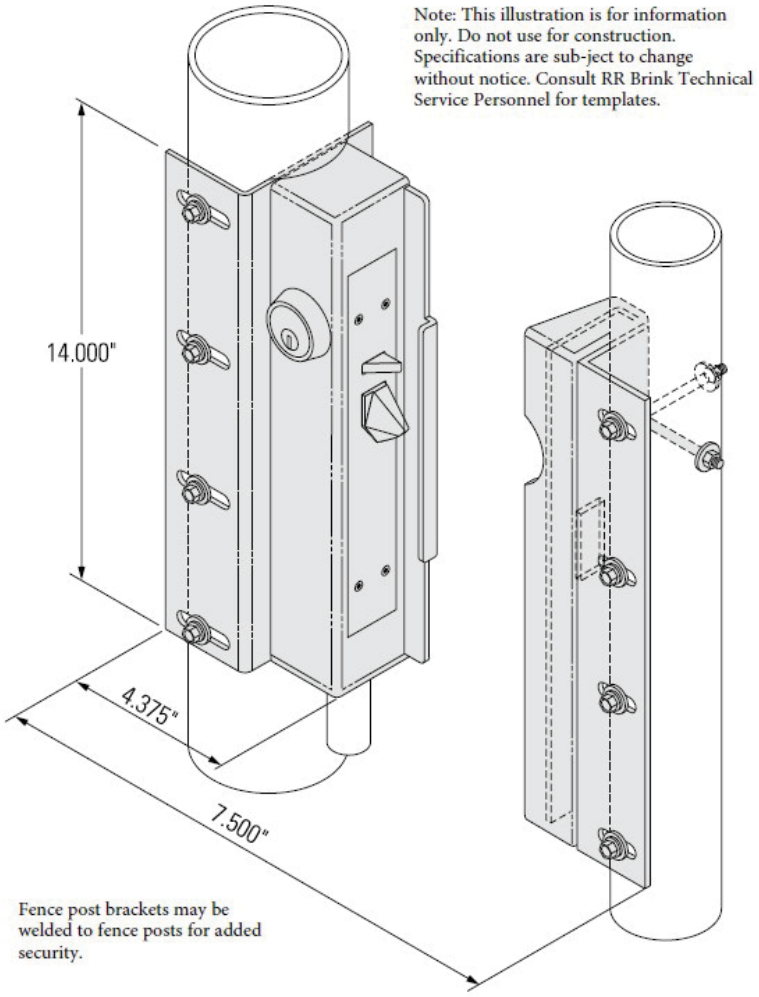
- Remotely controlled electrical operation by a 120 VAC solenoid (10 ampere inrush, 1.2 ampere seated).
- Fitted for manual unlocking from one or two sides by a standard mortise key cylinder. This facilitates integration into an existing key system. (Factory supplied key cylinders are optionally available.)
- A lock status switch serves to indicate a dead-locked bolt via a control panel pilot light.
- A motor control switch (MCS) allows electrical coordination of the 8055 with a power gate operator where an unlock and door movement sequence is mandatory.
- A plug connector allows for easy electrical hookup and disconnect.
- Interior lock parts are of stainless and electroplated steel.
- The lock and strike mountings are of fabricated steel and electroplated for corrosion resistance.
- The mountings are adjustable for a 3” to 5-1/2” O.D. fence post and 1-1/2” to 3” O.D. gate post. The allowable horizontal clearance between the fence and gate posts is 2-7/8” to 4”.

Gate Locks

8055 Swinging Gate Lock

STANDARD OPERATION

With electrical control by a momentary switch, the bolt will rotate to the unlocked position with application of power. The bolt will remain unlocked until the gate is opened at which point it will be released to the latching position and the gate can be closed and deadlocked automatically.
Mechanical unlocking is by key.



OPTIONAL FEATURES

- Factory supplied key cylinder (FKC) – specify standard mortise or Mogul (see Key Cylinder catalog page).
- Key cylinder extension (KCE) – required for two sided keying or for key operation on fence post side opposite the lock mounting. Specify outside diameter of fence post (4" O.D. minimum required). Consult factory if fence post outside diameter is not 4".
- Motor operation (M) – specify for maintained switch control when a gate is to be unlocked (i.e. latch bolt held retracted) for extended periods (see MSLH on "Motor Lock Function" catalog page).
- Available voltages – 24VDC and 120VAC.

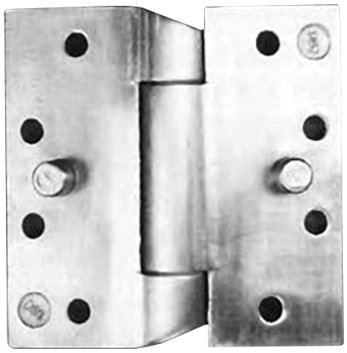
ORDERING INFORMATION

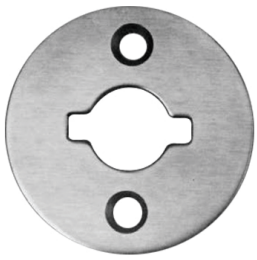
When ordering the 8050 Gate Lock please specify the following:

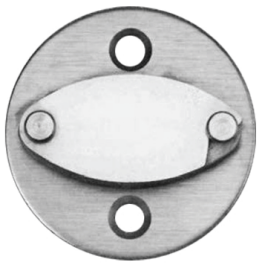
• Lock Hand (see "Hand of Locks" catalog page)
• One or two side keying – K1S or K2S
• Outside diameter of gate (GOD) and fence (FOD) posts
• Optional features

Example: 8050 x LHR x FKC-standard x 3.0" GOD x 4.0" FOD x KCE

Accessories







Southern Folger

Accessories

High Security Six-Pin and Mogul Cylinder / Mogul Key

Application

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

NOTE: Master keying available.

Technical Data

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

Accessories
Key Cylinders

Application

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

In correctional facilities, the RRBLS "Mogul" is often the cylinder of choice for detention grade locks only. This product differs from the standard mortise cylinder* (a.k.a. builder's hardware cylinder) in two significant aspects. First, all components of the RRBLS "Mogul" cylinder are approximately twice the size of the conventional mortise type. This size difference includes the internal parts (i.e. pins, springs, balls, and cylinder plug) as well as the external cylinder body or housing. (The diameter of the "Mogul" is 2" and the standard cylinder is 1-5/32".) Compared to a standard mortise cylinder, the "Mogul" parts offer proportionately larger wear surfaces and a longer life cycle. Also, the larger cross sectional area of the "Mogul" keyway facilitates the removal of debris commonly inserted by inmates to impede key operation. Second, the dimensions of the "Mogul" key are roughly twice that of a standard mortise cylinder key. This key size reduces the chance of breakage under forced turning (e.g. against a bind) and affords increased torque to ease the unlocking of heavy prison lock mechanisms. Also, the "Mogul" key size lends itself to easy insertion into the cylinder keyway.

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

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

Accessories
Key Cylinders

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

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

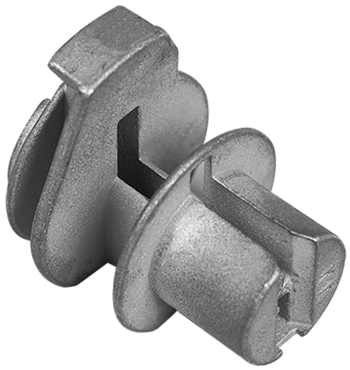
Notes:

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

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

Accessories

Paracentric Cylinder and Paracentric Key



Application

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

Technical Data

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

Accessories

203FS Full Surface Hinge and 203FP Food Pass Hinge

Application

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

Technical Data

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

205 Hinge

Application

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

Technical Data

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

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

Accessories

204FMSS Full Mortise Hinge

Application

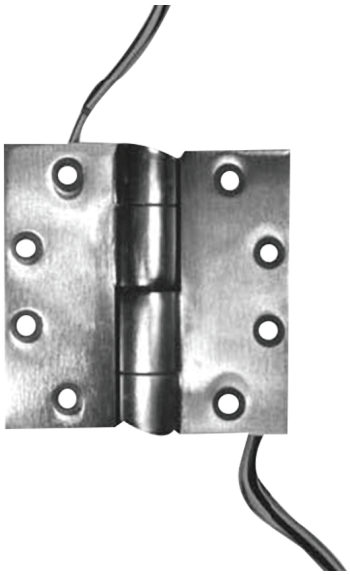
For swinging hollow metal doors. Each hinge features cast stainless steel leaves with integral security stud and non-removable stainless steel pin. Security fasteners are provided with each unit.

Technical Data

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

ASTM F1758 Certified Impact Test-Grade 1

204E Electric Power Transfer Hinge



Application

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

Technical Data

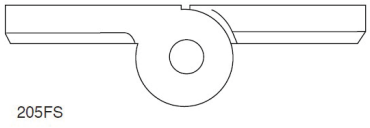
Standard Finish	US32D
Size	4-1/2” x 4-1/2” x 3/16”
Weight	1.6 lbs.
Hinge Leaves	Investment cast brass
Hinge Pin	5/8” diameter O.D. tubing steel
Electrical	1 amp capacity, 40 volts maximum

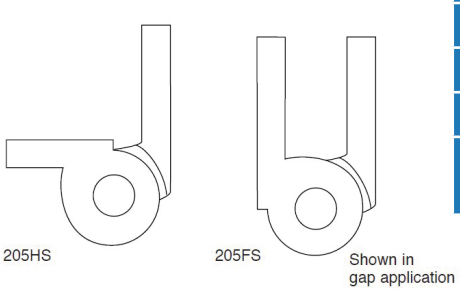
Accessories

205 Heavy Duty Hinge

Application

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





Show in gap application

Technical Data

Standard Finish	US32D
Size	5" H x 5-3/4" W x1/2" TK (205FS)
Weight	7.25 lbs.
Hinge Leaves	Steel, with 1 oiling hole
Hinge Pin and Thrust Bearings	Cold-rolled, case-hardened steel

ASTM F1758 Certified Impact Test-Grade 1

590 Hinges Access Door

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

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

Accessories
Hinge series

#3 Access Panel Hinge

#3FP Food Pass Hinge

#4-1/2 Institutional Full Mortise Template Hinge

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

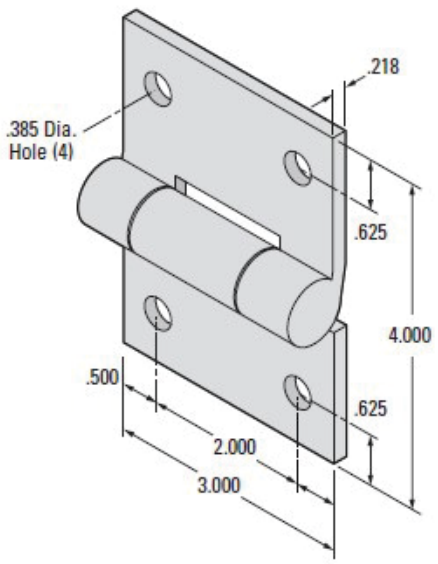
#5 Heavy Duty Prison Hinge
Application and Features
• Use with prison type grille and plate doors – surface mount.
• Barrel and leaves fabricated from cold rolled steel – welded assembly.
• Steel pin welded in-place.
• Anti-friction bearings.
• Standard finish USP – primed for paint.
• Security fasteners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

#3 Access Panel Hinge
Application and Features
• Use with electrical and mechanical system access panels or other small doors.
• Fabricated from cold rolled steel.
• Pin welded in-place.
• Security fasteners included.
• Finish – primed for paint.

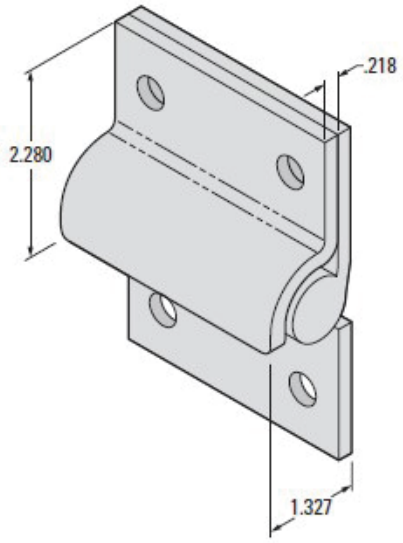
#3FP Food Pass Hinge
Application and Features
• Use with cell door food pass shutters. Stop added to the #3 hinge limits shutter opening rotation to 90° to form a shelf.
• Features same as #3 hinge.

#41/2 Institutional Full Mortise Template Hinge
Application and Features
• Use with conventional sized security hollow metal doors.
• Cast stainless steel leaves and welded in-place stainless steel pin construction.
• Hospital tips and integral anti-shear studs.
• Anti-friction bearings.
• Conforms to ANSI A156.7 template dimensions.
• Meets ASTM F1758 Grade 1 requirements.
• Finish – US32D (BHMA 630) satin stainless steel or USP - primed for paint.
• Security fasteners standard.
• Through-wire, electric power transfer model available 5 wire 18 awg.

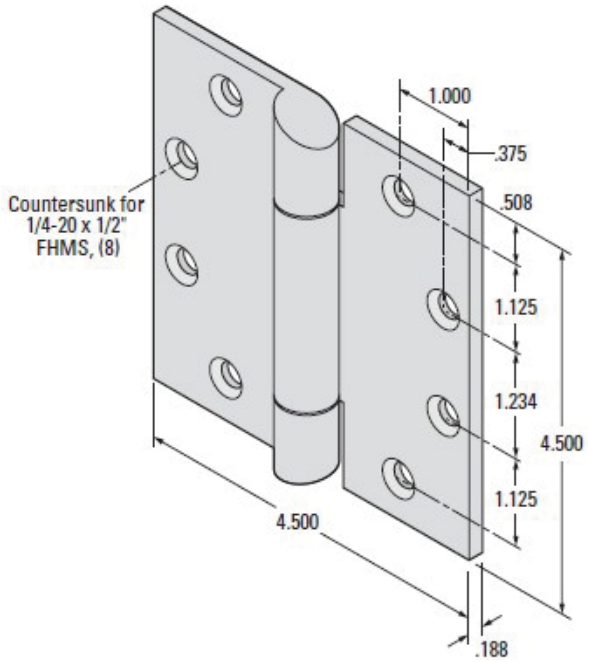
#3 Access Panel Hinge



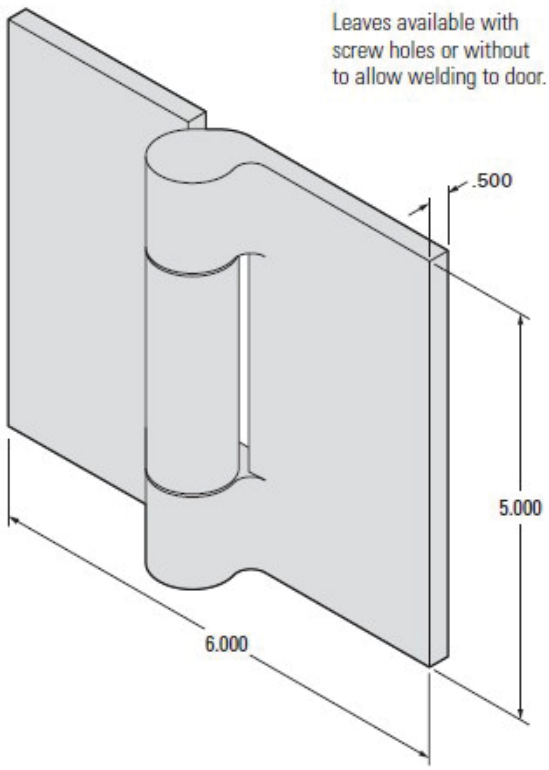
#3FP Food Pass Hinge



#41/2 Institutional Full Mortise Template Hinge



#5 Heavy Duty Prison Hinge



Accessories

212C Raised Door Pull

Application

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

Technical Data

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

214S Recessed Door Pull Application

Application

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

Technical Data

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

215C Knob Pull

Application

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

Technical Data

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

Accessories

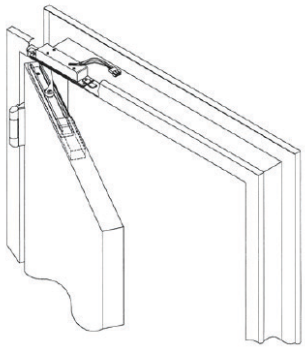
240CPS Concealed Position Switch

Application

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

Features

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



Left Hand Shown

Optional Features

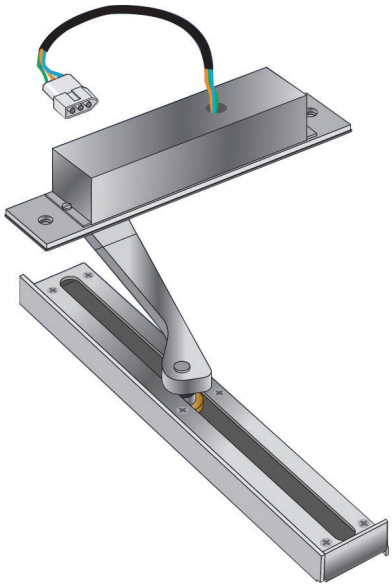
Double Circuit, Specify 240CPS-2 This feature allows for an additional circuit to be triggered by the 240CPS

Technical Data

Concealed (In Frame)	1-5/16” H x 1-1/2” W x 7-1/2” L
Control Arm	5” H x 5-3/4” W x1/2” TK (205FS)
Track (In Door)	3/4” H x 1-1/4” W x 12” L, extruded aluminum alloy
Weight	2 lbs.
Face Plate	Steel, with 1 oiling hole
Electrical	Switch is S.P.D.T. type with a rating of 5 amps at 30 VDC to 250 VAC

Accessories

201030 Door Position Switch



Application

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

The Model 201030 DPS is actuated mechanically by movement of the door. With a 4’-0” or narrower door and ANSI door/frame installation tolerances, the switch will trip when the leading edge of the door is within 1/2” of the door stop. It is recommended that the Model 201030 be wired in combination with a lock bolt status switch (LSS) to provide a reliable, tamper resistant control panel monitor (e.g., closed and deadlocked green light) and/or interlock circuit.
The 201030 has two components: 1) a switch unit that mortise mounts in the door frame header with an arm that is connected in the field to, 2) a track that mortises into the upper door edge. When the door is closed and locked, all components are concealed which eliminates the possibility of tampering. A door can be opened to a full 180°. The 201030 has an automatic switch adjustment feature that compensates for differing door and frame alignments (e.g., hinge gauge dimension) without the need for tools or trial and error procedures. Simply closing a door self-adjusts the switch setting.

220MRS Magnetic Switch

Application

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

Technical Data

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

200MRS TB MAGNETIC SWITCH

Triple Bias Switch

Accessories

534 Door Position Switch

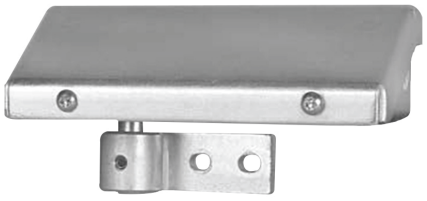
Application

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

Standard Features

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

220A Door Position Switch



Application

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

Technical Data

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

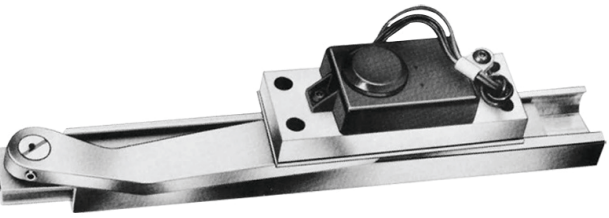
200MRS TB MAGNETIC SWITCH

Triple Bias Switch

Accessories

523 Fully Concealed Door Position Switch

Application



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

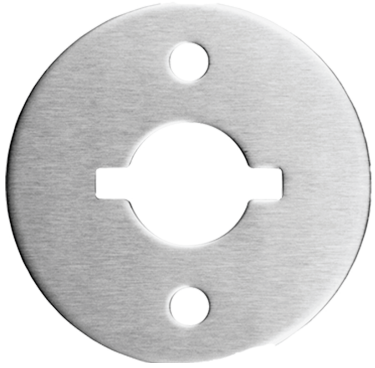
Standard Features

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

Operation

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

Accessories
Escutcheon



218 Escutcheon

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

Technical Data

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

Cylinder Shield

219 Cylinder Shield

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

Technical Data

Finish	US32D
Material	Stainless Steel
Weight	2 lbs.

Accessories
Head or food bolt

10105 Head or Foot Bolt

10105 Head or Foot Bolt Receptacle

10105 Key

Application

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

Function

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

Technical Data

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

10105R FLOOR RECEPTACLE

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

Options

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

Hm - Mounting for Hallow Metal Doors

P - Mounting for Plate doors

G - Mounting for Grating doors

Application

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

Technical Data

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

Accessories
Safety Mirrors

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

Options

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

Safety Hook and Shelf

407 Safety Hook

408 Shelf

407 SECURITY CLOTHES HOOK

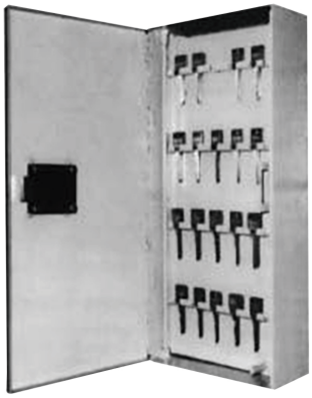
SIZE: 4” H x 4” D x 2-21/2” W
This special hook is designed with a collapsible ball joint. Constructed of 14 gauge stainless steel, the 407 can be riveted to wall plates or steel walls, or it can be attached with the provided fasteners. US32D finish.

408 SHELF

SIZE: 6” H x 8” D x Specified Length
WEIGHT: varies (5.4 LBS. for an 8” shelf)

408 SHELF

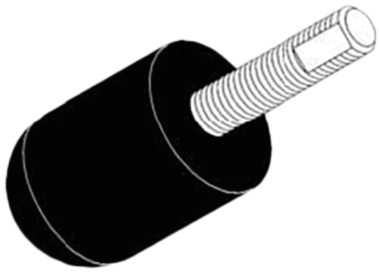
Constructed of 12 gauge steel plate, the 408 Shelf is flanged and gusseted for strength and neat appearance. It is available in 8”,16” and 24” lengths, with or without safety clothing hooks.
Specify: 408-8 for 8” shelf / 408-16 for 16” shelf /408-24 for 24”
If shelf safety clothing hooks are required under shelves, add the suffix “S” to the above numbers (e.g. 408-24S). One hook is provided for each 8” of shelf length.



Key Cabinets

6-60 KEY CABINET (60 key capacity)
6-300 KEY CABINET (300 key capacity)
6-720 300 KEY CABINET (720 key capacity)
SIZE: 16” W x 24” H x 6 5/8” D
WEIGHT: 6-60: 55 LBS. 6-300: 85 LBS. 6-720: 195 LBS.
Key cabinets provide security and control of a large number of para-centric prison keys, or Mogul-type keys. Cabinets may be provided for surface or recessed mounting. Keys are held on two sides of a swinging panel within the enclosure. A printed index is provided for recording the location of each key, and the lock it operates. Available with a Southern Steel 1010A or 1010AM lock.

420 Detention Door Stop



420 Detention Door Stop

SIZE: 2” Dia. X 31/2” Bumper 5/8-11 X 21/2” Post
Material: 90 durometer silicone rubber body with threaded steel post / Style: Wall or floor mount Finish: Black / Mounting: Embed in con-crete or masonry Heavy duty detention-grade door stop for installa-tion in either wall or floor with epoxy resin adhesive. Threaded steel anchor post.

Accessories

605 Pistol Locker (Tilt-out)

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

600 Pistol Locker

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

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

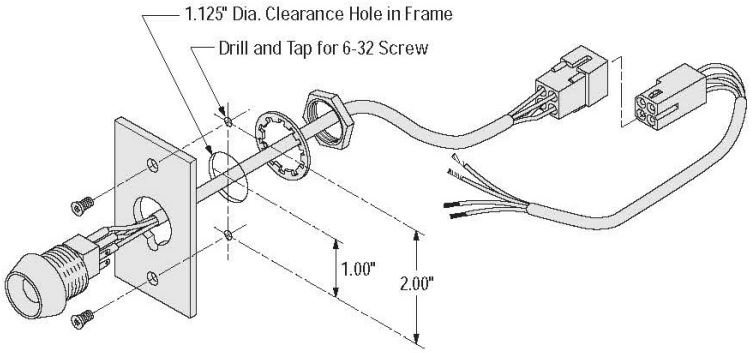
201010 Tapered Housing Pushbutton Switch
The 201010 pushbutton assembly mounts in the door frame lock pocket opposite the key cylinder. Since there are no exposed fasteners, it is irremovable from the exterior. The 201010 was designed originally for use in a correctional facility as an inmate cell door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

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

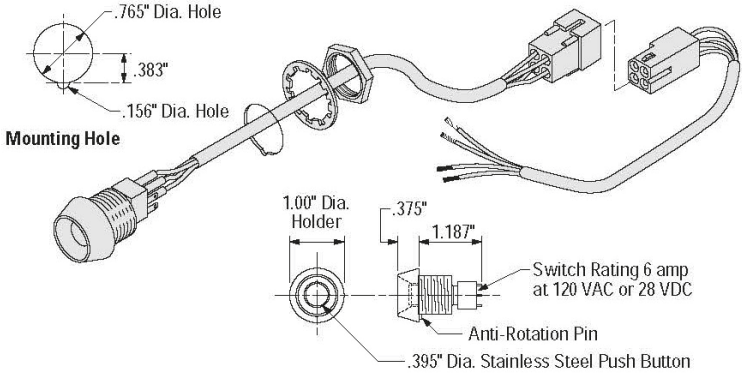
201044 Recessed Pushbutton Switch
The 201044 pushbutton assembly is identical to the No. 201010 except that it recess mounts into the frame. *Note: The frame supplier must provide an internal welded-in-place mounting plate (see schematic illustration over).*

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

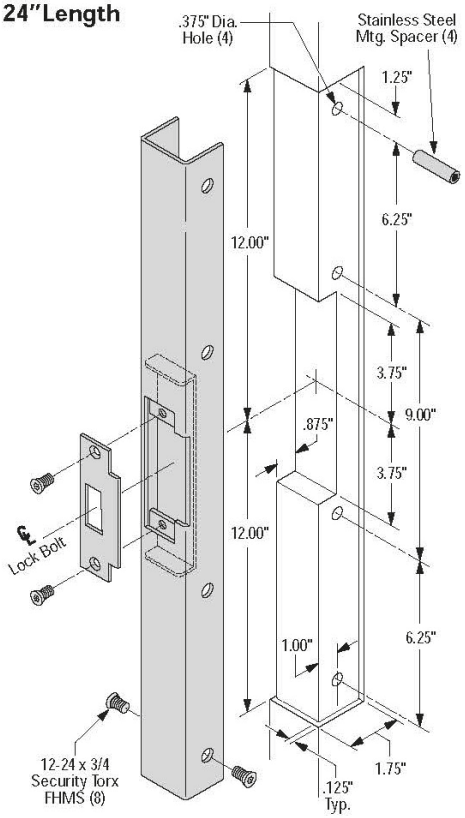
201028 – Surface Applied Pushbutton



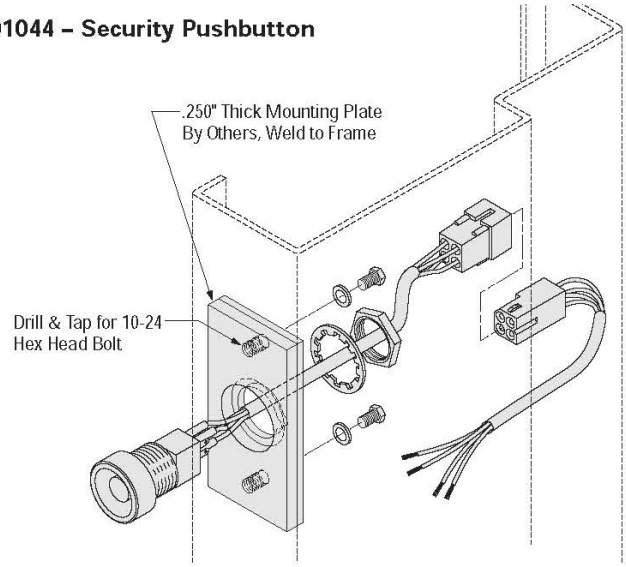
201010 – Security Pushbutton



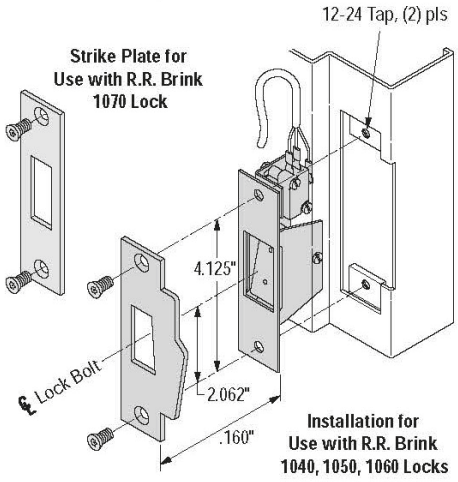
Wood Door Strike Reinforcement 24"Length



201044 – Security Pushbutton



201040 – Keeper Switch



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

Accessories
Test Boxes

B0068-A

B0043-A

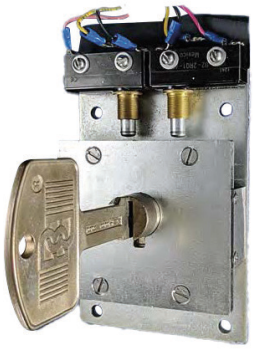
B0080-000

B0043-A
Application and Features
- For testing all 24v solenoid locks with Fail Safe:
  - 3020FS
  - 2020FS
  - 1050FS
- Tests All Functions:
  - MSLH
  - MCLH-E
- Shipped with instructions and trouble-shooting guide.

B0043-A
Application and Features
- For testing all 120v motor & solenoid locks:
  - 5020M
  - 5020S
  - 7050M
  - 7050S
- Includes Adapter for:
  - 7050M/7050S
- Tests All Functions:
  - MSLH
  - MCLH-M
  - MCLH-E
- Shipped with instructions and troubleshooting guide.

B00068-A
Application and Features
- For testing all 24v motor & solenoid locks with Fail Secure:
  - 3520-300
  - 3520-600
  - 5020M
  - 7050M
  - 3020 FSE
  - 1050FSE
  - 2020FSE
- Tests All Functions:
  - MSLH
  - MCLH-M
  - MCLH-E
- Shipped with instructions and troubleshooting guide.

B00068-A
Application and Features
- For testing sliding cell and corridor devices:
  - 57700
  - 57300
- Includes Adapters for:
  - MSLH



APPLICATION

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

201095 – Narrow Mortise Cylinder Key Switch
This narrow profile key switch is designed to mortise mount in the 2" trim surface of a standard hollow metal door frame.

• Units can be ordered with one or two momentary (MO) or maintained (MA) action SPDT switches or a combination for actuation by clockwise and/or counter-clockwise key rotation to suit the application. Specify No. 201095 – 1MO or 2MO, or No. 201095 – 1MA or 2MA, or No.201095 – 1MO & 1MA, respectively.
• Electrical rating: 250VAC, 5A resistive; 30VDC, 3A inductive & 5A resistive.
• Accepts any manufactures standard 1-1/8" long mortise cylinder with a "Yale" shape cam.
• When ordered, can be supplied with quick disconnect wire leads (i.e. not standard).
• Optionally available with two LEDs (typically green and red).
• Standard faceplate finish – satin stainless steel (ANSI 630 , US32D).

201110 – Standard Mortise Cylinder Key Switch
This key switch is designed to mount in a 2" x 4" electrical outlet box - 2" minimum depth (e.g. Raco handy box No. 674, shown, or equal). Features are identical to Model No. 201095.

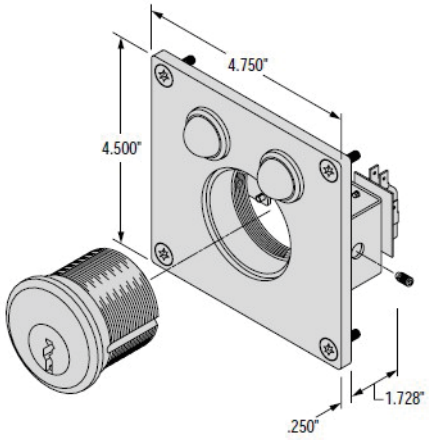
201065 – Paracentric Key Switch
This key switch is ordinarily used in jails and prisons to complement an RRBLS lever tumbler keying system.

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

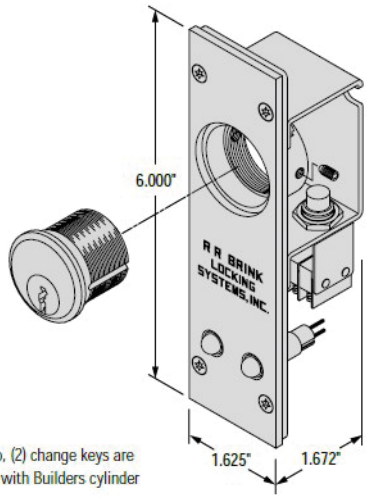
201070 – Mogul Cylinder Key Switch

This key switch employs an institutional style Mogul cylinder.

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

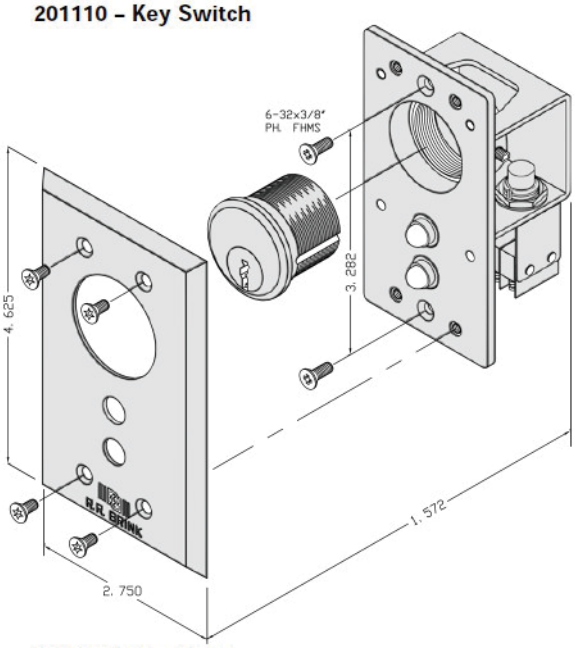


Note: Keys for Mogul cylinder must be ordered separately.



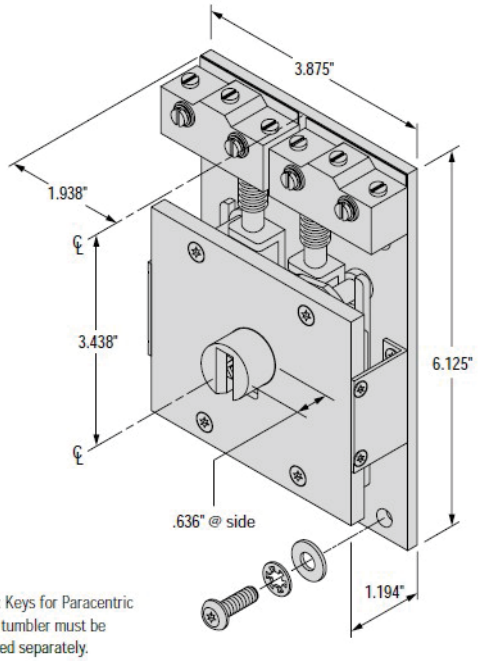
Note: Two, (2) change keys are furnished with Builders cylinder

201110 – Key Switch



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

201065 – Paracentric Key Switch



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

Accessories

900 Series Momentary Pushbutton

Model 907

Model 906

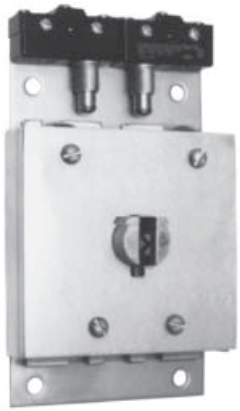
906 Momentary Push Button

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

907 Push Button

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

900 Series Key Switches



Model 930A

930 THREE POSITION MAINTAINED KEYSWITCH, PARACENTRIC

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

936 THREE POSITION MAINTAINED KEYSWITCH, MOGUL

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