

# MIDWEST PORTLAND

BY  **VITAL**Space

# Lock System Catalog

TESTING DONE UNDER MIDWEST DETENTION SYSTEMS INC.

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# Electro-Mechanical Locks

# 120E Solenoid-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Solenoid Operated  
**KEY TYPE:** Mogul  
**SECURITY:** Med/Max

The 120E is a solenoid operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors, and exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC Solenoid  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
External Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Investment Cast Strike Plate  
Field Plug Connector

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty solenoid.

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latchbolt retracts only as long as power is applied to the solenoid.

**Knob Release (Optional)** - Opposite side of cylinder provides retraction of latchbolt at any time.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

**Cylinder Extension (Optional)** - Extends cylinder through frame. Available in 3", 5" or custom length.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 120E deadlatch is a solenoid operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the solenoid is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

When ordering, the lock needs to be specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens, or specified as "Non-Holdback", which only holds the latchbolt back as long as the solenoid is energized.

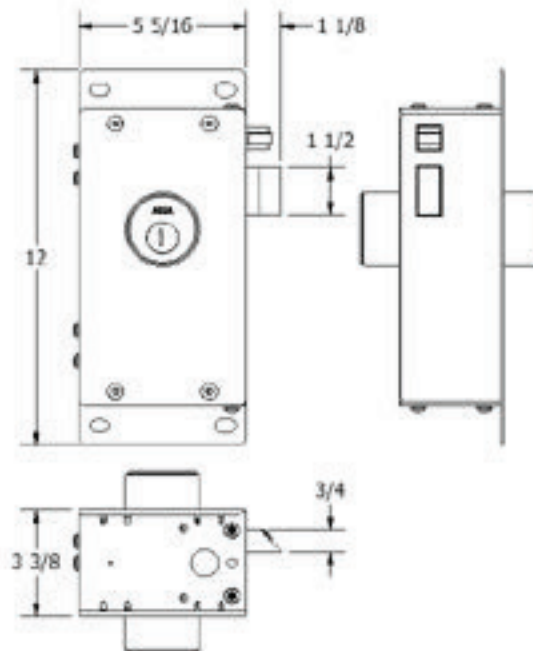
The lock may be unlocked for an extended period of time by use of a maintained-contact switch.

## COMPONENT SPECIFICATIONS

- \* Solenoid - 120 VAC 60 Hz
- \* Reinforced Backplate - 1/2" Investment Cast Stainless Steel
- \* 10 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Two Hardened Pin Inserts
- \* Rollerbolt - Stainless Steel Roller
- \* Strike - Investment Cast Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E2**



# 120M Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Mogul  
**SECURITY:** Med/Max

The 120M is a motor operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC or 24 VDC Motor  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
External Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Investment Cast Strike Plate  
Field Plug Connector

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handling Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty motor.

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latchbolt retracts only through the full cycle operation.

**Knob Release (Optional)** - Opposite side of cylinder provides retraction of latchbolt at any time.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

**Cylinder Extension (Optional)** - Extends cylinder through frame. Available in 3", 5" or custom length.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 120M deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The motor is equipped with a motor switch that allows for a full cycle operation. Full cycle (M) operation uses a momentary contact switch to rotate the motor 360 degrees and unlock the lock. Once the door opens, the latch will project and the lock will return to a locked condition once the door is closed. Full cycle typically uses the "Mechanical Holdback" feature as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

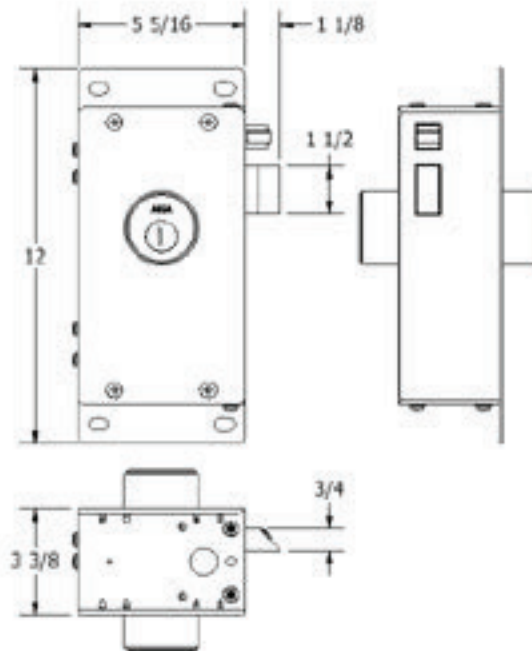
When ordering, the full cycle lock is usually specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens.

## COMPONENT SPECIFICATIONS

- \* Motor - 120 VAC 60 Hz or 24 VDC
- \* Reinforced Backplate - 1/2" Investment Cast Stainless Steel
- \* 10 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Two Hardened Pin Inserts
- \* Rollerbolt - Stainless Steel Roller
- \* Strike - Investment Cast Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E4**



# 120MC Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Mogul  
**SECURITY:** Med/Max

The 120MC is a motor operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC or 24 VDC Motor  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
External Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Investment Cast Strike Plate  
Field Plug Connector

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handling Chart)

## OPERATION

Latch retracts and remains retracted by first position of two-position switch. Latch projects for relocking by second position of two-position switch.

**Mechanical Holdback (Optional)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Standard)** - Latchbolt retracts only through the full cycle operation or is held back through half cycle operation.

**Knob Release (Optional)** - Opposite side of cylinder provides retraction of latchbolt at any time.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

**Cylinder Extension (Optional)** - Extends cylinder through frame. Available in 3", 5" or custom length.

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## OPERATION DETAILS

The 120MC deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The motor is equipped with a motor switch that allows for a half cycle operation. The half cycle (MC) operation uses a two position switch. The 1st switch position rotates the motor half way and unlocks the lock. The lock will remain unlocked until the 2nd switch position rotates the lock and returns to a locked condition with the latch projected, once the door is closed. Half cycle typically uses "Non-Holdback" as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

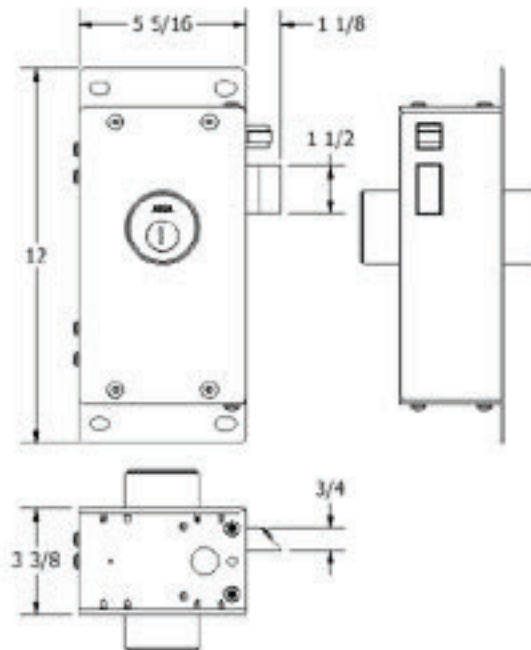
The half cycle lock is usually specified as "Non-Holdback", which holds the bolt back only during the half cycle position.

## COMPONENT SPECIFICATIONS

- \* Motor - 120 VAC 60 Hz or 24 VDC
- \* Reinforced Backplate - 1/2" Steel Perimeter Bolt Guides
- \* 10 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Two Hardened Pin Inserts
- \* Rollerbolt - Stainless Steel Roller
- \* Strike - Investment Cast Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E6**

# 400E Solenoid-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Solenoid Operated  
**KEY TYPE:** Builder's Hardware  
**SECURITY:** Min/Med

The 400E is a solenoid operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors, and exterior doors.



Left Hand  
Shown

## STANDARD FEATURES

24 VDC Solenoid  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
Manual Key Release  
Easy Wiring Field Plug  
Stainless Steel Strike Plate

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handling Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty solenoid.

A Choice of:

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latchbolt retracts only as long as power is applied to the solenoid.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

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## OPERATION DETAILS

The 400E deadlatch is a solenoid operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the solenoid is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

When ordering, the lock needs to be specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens, or specified as "Non-Holdback", which only holds the latchbolt back as long as the solenoid is energized.

The lock may be unlocked for an extended period of time by use of a maintained-contact switch.

## COMPONENT SPECIFICATIONS

- \* Solenoid - 24 VDC
- \* Reinforced Backplate - Investment Cast Stainless Steel
- \* Latchbolt - Hardened Steel Pin Inserts
- \* Strike - Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Investment Cast Stainless Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E8**

# 400M Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Builder's Hardware  
**SECURITY:** Min/Med

The 400M is a motor operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



Left Hand  
Shown

## STANDARD FEATURES

24 VDC Motor  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
Manual Key Release  
Easy Wiring Field Plug  
Stainless Steel Strike Plate

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty motor.

A Choice of:

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latch retracts only through the full cycle operation.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 400M deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The motor is equipped with dual motor switches that allow for either a full or half cycle operation. Full cycle (M) operation uses a momentary contact to rotate the motor 360 degrees and unlock the lock. Once the door opens, the latch will project and the lock will return to a locked condition once the door is closed. Full cycle typically uses the "Mechanical Holdback" feature as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

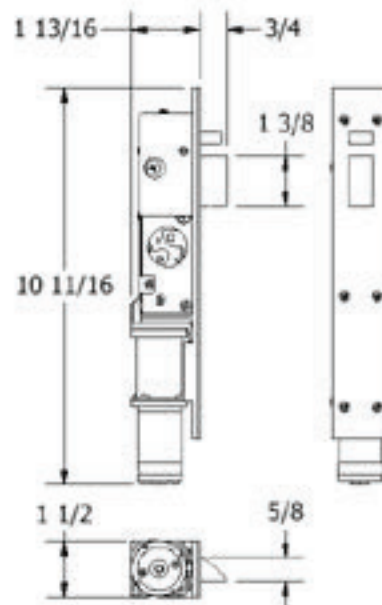
When ordering, the full cycle lock is usually specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens.

## COMPONENT SPECIFICATIONS

- \* Motor - 24 VDC
- \* Reinforced Backplate - Investment Cast Stainless Steel
- \* Latchbolt - Two Hardened Steel Pin Inserts
- \* Strike - Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Investment Cast Stainless Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E10**

# 400MC Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Builder's Hardware  
**SECURITY:** Min/Med

The 400MC is a motor operated pin tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



Left Hand  
Shown

## STANDARD FEATURES

24 VDC Motor  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
Manual Key Release  
Easy Wiring Field Plug  
Stainless Steel Strike Plate

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPERATION

Latch retracts and remains retracted by first position of two-position switch. Latch projects for relocking by second position of two-position switch.

A Choice of:

**Mechanical Holdback (Optional)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Standard)** - Latch retracts only through the full cycle operation or is held back through half cycle operation.

**Knob Release (Optional)** - Opposite side of cylinder provides retraction of latchbolt at any time.

**Local Electric Key (Optional)** - Electrically unlocks deadlatch by key at cylinder.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 400MC deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The half cycle (MC) operation uses a two position switch. The 1st switch position rotates the motor half way and unlocks the lock. The lock will remain unlocked until the 2nd switch position rotates the lock returns to a locked condition with the latch projected, once the door is closed. Half cycle typically uses "Non-Holdback" as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

The half cycle lock is usually specified as "Non-Holdback", which holds the bolt back only during the half cycle position.

## COMPONENT SPECIFICATIONS

- \* Motor - 24 VDC
- \* Reinforced Backplate - Investment Cast Stainless Steel
- \* Latchbolt - Two Hardened Steel Pin Inserts
- \* Strike - Stainless Steel
- \* Deadlock Lever - Investment Cast Stainless Steel
- \* Operating Lever - Investment Cast Stainless Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



**MIDWEST PORTLAND**

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**E12**



# 51E Solenoid-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Solenoid Operated  
**KEYTYPE:** Paracentric  
**SECURITY:** Med/Max

The 51E is a solenoid operated lever tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors, and exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC Solenoid  
3/4" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
7 Gauge Case and Cover  
Adjustable Roller Bolt  
Corrosive Resistant Parts  
Internal Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Five or Six Tumbler

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty solenoid.

A Choice of:

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latchbolt retracts only as long as power is applied to the solenoid.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 51E deadlatch is a solenoid operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the solenoid is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

When ordering, the lock needs to be specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens, or specified as "Non-Holdback", which only holds the latchbolt back as long as the solenoid is energized.

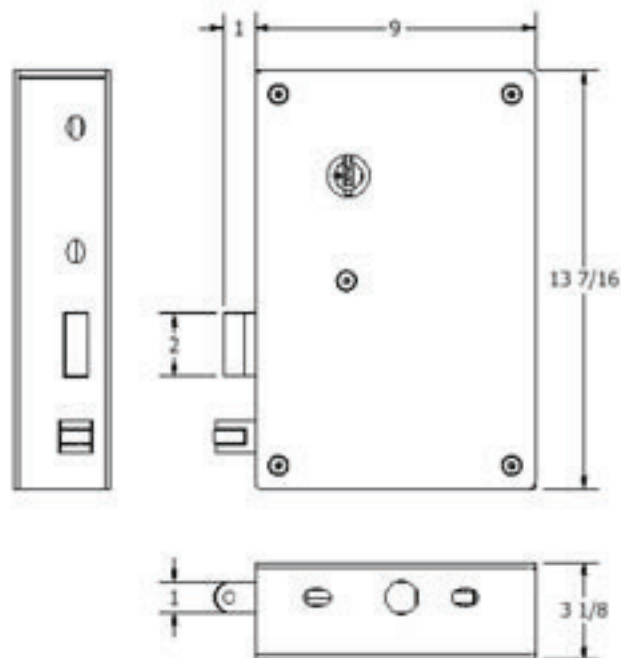
The lock may be unlocked for an extended period of time by use of a maintained-contact switch.

## COMPONENT SPECIFICATIONS

- \* Solenoid - 120 VAC 60 Hz
- \* Reinforced Backplate - 1/2" Steel Perimeter Guides
- \* 7 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Hardened Steel Roller Pins
- \* Deadlock Lever - Zinc Plated Steel
- \* Operating Lever - 1/2" Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



**MIDWEST PORTLAND**

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**E14**



# 51M Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Paracentric  
**SECURITY:** Med/Max

The 51M is a motor operated lever tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC or 24 VDC Motor  
3/4" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Adjustable Roller Bolt  
Corrosive Resistant Parts  
Internal Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Five or Six Tumbler

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPERATION

Latch retracts by momentary switch action or latch may remain retracted by continuous duty motor.

A Choice of:

**Mechanical Holdback (Standard)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Optional)** - Latchbolt retracts only through the full cycle operation

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 51M deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The motor is equipped with a motor switch that allows for full cycle operation. Full cycle (M) operation uses a momentary contact to rotate the motor 360 degrees and unlock the lock. Once the door opens, the latch will project and the lock will return to a locked condition once the door is closed. Full cycle typically uses the "Mechanical Holdback" feature as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

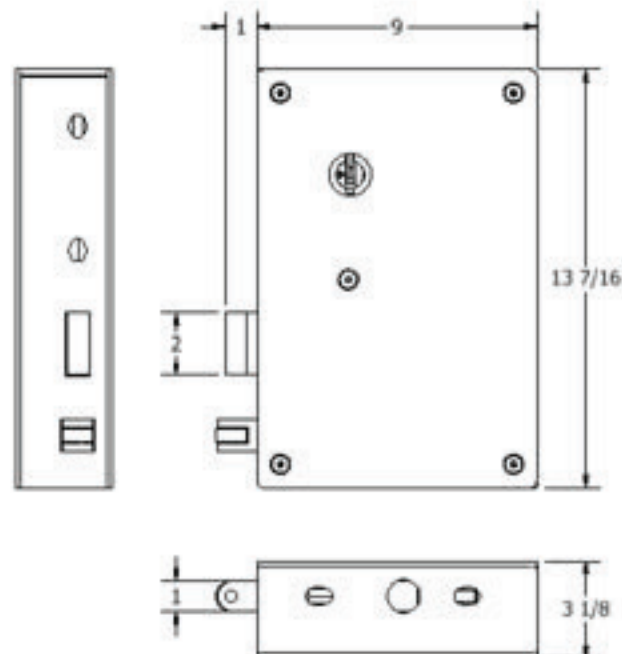
When ordering, the full cycle lock is usually specified as having "Mechanical Holdback", which allows the bolt to be retracted until the door opens.

## COMPONENT SPECIFICATIONS

- \* Motor - 120 VAC 60 Hz or 24 VDC
- \* Reinforced Backplate - 1/2" Steel Perimeter Guides
- \* 7 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Hardened Steel Roller Pins
- \* Deadlock Lever - Zinc Plated Steel
- \* Operating Lever - 1/2" Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



**MIDWEST PORTLAND**

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**E16**

# 51MC Motor-Operated Deadlatch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Motor Operated  
**KEY TYPE:** Paracentric  
**SECURITY:** Med/Max

The 51MC is a motor operated lever tumbler lock for a variety of swing door applications, such as inmate rooms, housing and dayroom perimeter doors, corridors and some exterior doors.



RHRB  
Shown

## STANDARD FEATURES

120 VAC or 24 VDC Motor  
3/4" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Adjustable Roller Bolt  
Corrosive Resistant Parts  
Internal Mounting Holes  
Manual Key Release  
Easy Wiring Field Plug  
Five or Six Tumbler

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handling Chart)

## OPERATION

Latch retracts and remains retracted by first position of two-position switch. Latch projects for relocking by second position of two-position switch.

A Choice of:

**Mechanical Holdback (Optional)** - Once unlocked, the latchbolt is held retracted until the door opens. The latchbolt then projects and allows the door to be slammed and relocked.

**Non-Holdback (Standard)** - Latchbolt retracts only through the full cycle operation or is held back through half cycle operation.

ELECTRO-MECHANICAL LOCKS

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## OPERATION DETAILS

The 51MC deadlatch is a motor operated lock. When the door is in a locked closed condition, the latchbolt is deadlocked preventing the latchbolt from being retracted. Once the motor is energized, the deadlatch is lifted and the latchbolt is allowed to retract, unlocking the lock.

The motor is equipped with a motor switch that allows for a half cycle operation. The half cycle (MC) operation uses a two position switch. The 1st switch position rotates the motor half way and unlocks the lock. The lock will remain unlocked until the 2nd switch position rotates the lock and returns to a locked condition with the latch projected, once the door is closed. Half cycle typically uses "Non-Holdback" as described below.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the latchbolt.

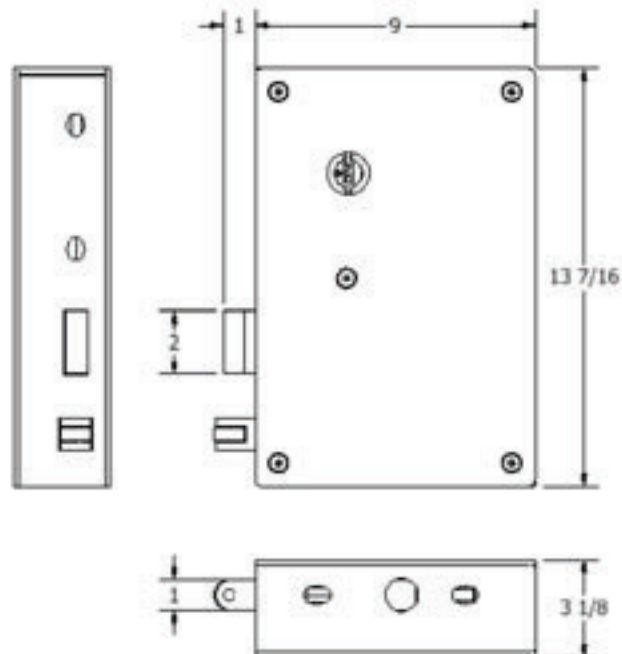
The half cycle lock is usually specified as "Non-Holdback", which holds the bolt back only during the half cycle position.

## COMPONENT SPECIFICATIONS

- \* Motor - 120 VAC 60 Hz or 24 VDC
- \* Reinforced Backplate - 1/2" Steel Perimeter Guides
- \* 7 Gauge Steel - Zinc Plated Case & Cover
- \* Latchbolt - Hardened Steel Roller Pins
- \* Deadlock Lever - Zinc Plated Steel
- \* Operating Lever - 1/2" Zinc Plated Steel
- \* Springs - Stainless Steel

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**E18**

# 800 Solenoid-Operated Gate Lock

## DESCRIPTION

**TYPE:** Swing or Slide Lock  
**STYLE:** Solenoid Operated  
**KEY TYPE:** Paracentric  
**SECURITY:** Med/Max

The 800 is a lever tumbler, solenoid operated lock for swinging or sliding fence gates.



Sliding Door  
Right Hand  
Shown



Swinging Door  
Left Hand  
Shown

## STANDARD FEATURES

120 VAC Solenoid  
1" Throw Latchbolt  
Deadlock Indicator Switch  
Heavy Duty Construction  
Corrosive Resistant Parts  
External Mounting Holes  
External Mounting Plate  
Manual Key Release  
Easy Wiring Field Plug  
1/2" Zinc Plated Locking Tongue

## KEYING

Lock Keyed Both Sides

## OPERATION

Latch unlocks by momentary switch action. Once retracted, bolt is electrically retracted until gate is closed.

In case of power failure, mechanically operated by paracentric key.

ELECTRO-MECHANICAL LOCKS

**MIDWEST PORTLAND**

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## OPERATION DETAILS

The 800 deadlocking gate lock is solenoid operated. When the gate is in a closed condition, the deadbolt is deadlocked preventing the locking tongue from being retracted. Once the solenoid is energized, the deadlock lever is moved aside and the deadbolt is lifted. The lock is held electrically open until the locking tongue is returned to a closed position.

The deadlock indicator switch provides monitoring of the deadlocked condition as well as the full projection of the deadbolt. The slide bolt monitors the position of the lock's tongue.

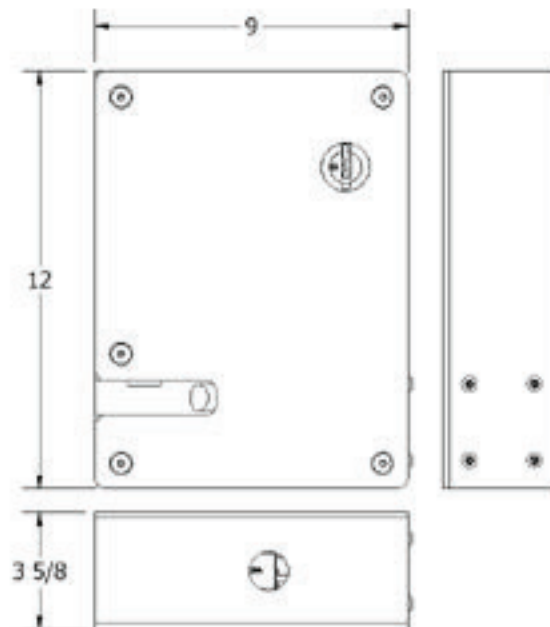
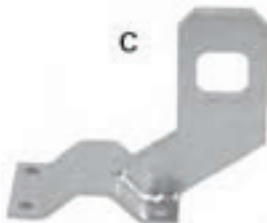
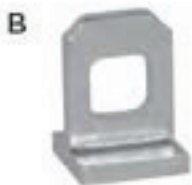
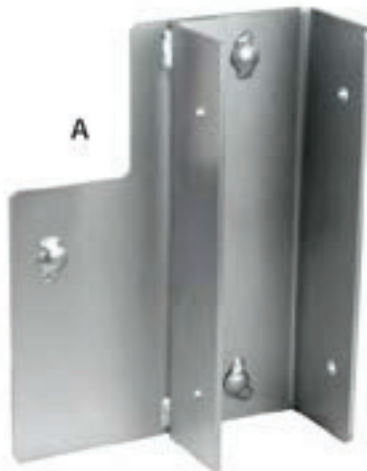
The lock may be unlocked for an extended period of time by use of a maintained-contact switch.

## COMPONENT SPECIFICATIONS

- \* Solenoid - 120 VAC 60hz
- \* 10 Gauge Steel - Zinc Plated Case & Cover
- \* Deadbolt - 1" Zinc Plated Round Bolt
- \* Plunger - Stainless Steel
- \* 1/2" Zinc Plated Gate Tongue
- \* 10 Gauge Adjustable Zinc Plated Mounting Bracket
- \* Deadlock Lever - Zinc Plated Steel
- \* Operating Lever - Zinc Plated Steel
- \* Springs - Bronze Alloy

## ELECTRICAL SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



LEFT HAND  
SWING DOOR

ACCESSORIES INCLUDED - A, B OR C  
A - 4" POST MOUNTING PLATE  
B - SLIDING DOOR TONGUE  
C - SWINGING DOOR TONGUE

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**E20**

# Mechanical Locks

# 10 Mechanical Deadbolt

## DESCRIPTION

**TYPE:** Swing Door Lock

**STYLE:** Surface or  
Pocket Mount

**KEY:** Paracentric

**SECURITY:** Med/Max

The 10 Series Mechanical Deadbolt is a swing door lock for use on small doors, such as plumbing chases, access panels and hatch doors. This lock is not recommended for use on cell doors.



Right Hand Shown

## STANDARD FEATURES

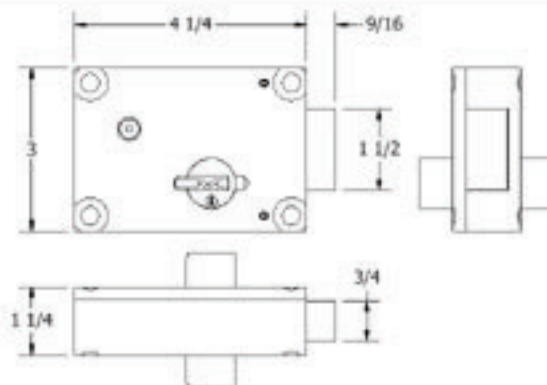
5/8" Bolt Throw  
1/2" or 1 1/4" Projections  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
1 1/2" x 3/4" Deadbolt  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

Available 5 or 6 Tumbler  
Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

High Security Six Tumbler Lock  
Mounting - Hollow metal



MECHANICAL LOCKS

**MIDWEST PORTLAND**

BY  **VITALSpace**

M1

# 15 Mechanical Deadbolt



Left Hand Shown

## DESCRIPTION

**TYPE:** Swing Door Lock

**STYLE:** Surface or  
Pocket Mount

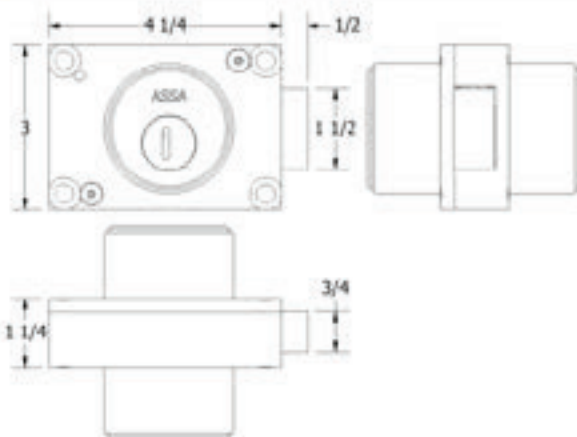
**KEY:** Mogul

**SECURITY:** Med/Max

The 15 Series Mechanical Deadbolt is a swing door lock for use on small doors, such as plumbing chases, access panels and hatch doors. This lock is not recommended for use on cell doors.

## OPTIONAL FEATURES

Mounting - Hollow metal



## STANDARD FEATURES

5/8" Bolt Throw  
1/2" or 1 1/4" Projections  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
1 1/2" x 3/4" Deadbolt  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

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**M2**



# 17 Mechanical Latch

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Surface or  
Pocket Mount  
**KEY:** Paracentric  
**SECURITY:** Medium

The 17 Series is a security latch for use in food pass, observation, locker, and other small doors where slam-locking is preferred and deadlocking is not required. Not recommended for cell doors.



RHRB Shown

## STANDARD FEATURES

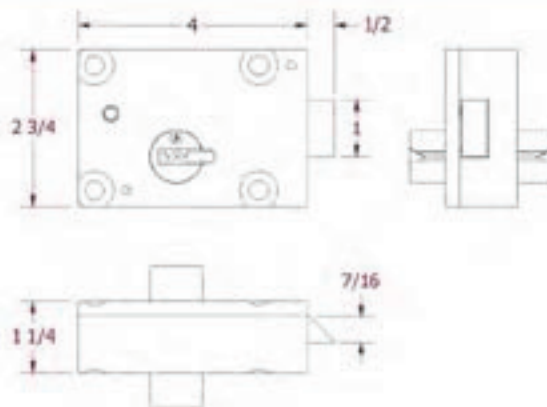
7/16" Bolt Throw  
1" x 7/16" Latchbolt  
Reverse or Standard Bevel  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

17RB5 - Five Tumbler  
Keyed One Side  
17RB6 - Six Tumbler  
Keyed One Side

## OPTIONAL FEATURES

Mounting - Hollow metal, plate mountings



MECHANICAL LOCKS

**MIDWEST PORTLAND**

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M3



# 18 Mechanical Latch



RB Shown

## DESCRIPTION

**TYPE:** Swing Door Lock

**STYLE:** Surface or  
Pocket Mount

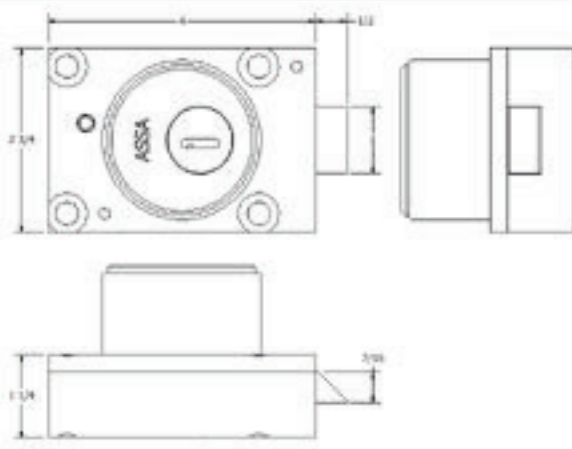
**KEY:** Mogul

**SECURITY:** Medium

The 18 Series is a security latch for use in food pass, observation, locker, and other small doors where slam-locking is preferred and deadlocking is not required. Not recommended for cell doors.

## OPTIONAL FEATURES

Mounting - Hollow metal, plate mountings



## STANDARD FEATURES

7/16" Bolt Throw  
1" x 7/16" Latchbolt  
1/2" Projection  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

18RB - Keyed One Side

18SB - Keyed One Side

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**M4**

# 19 Mechanical Thumbturn

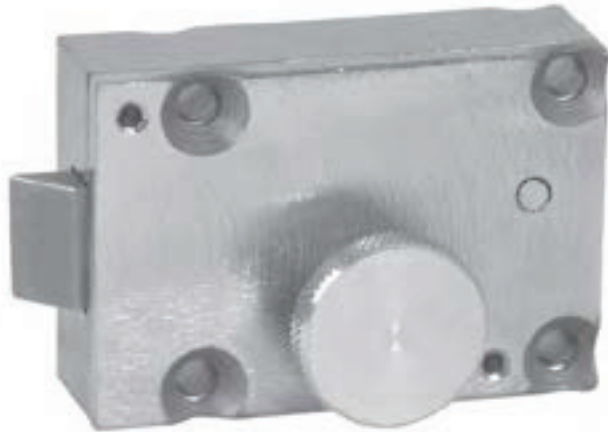
## DESCRIPTION

**TYPE:** Swing Door Lock

**STYLE:** Surface or  
Pocket Mount

**SECURITY:** Minimum/Medium

The 19 Series is a thumbturn latch for use in food pass, observation, locker, and other small doors where slam-locking is preferred and deadlocking is not required. Not recommended for cell doors.



LHRB Shown

## STANDARD FEATURES

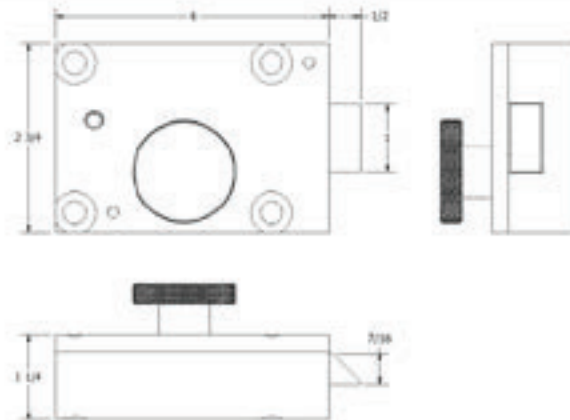
7/16" Bolt Throw  
1" x 7/16" Latchbolt  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## HANDING

19SB - Standard Bevel  
19RB - Reverse Bevel

## OPTIONAL FEATURES

Mounting - Hollow metal, plate mountings



MECHANICAL LOCKS

MIDWEST PORTLAND

BY  VITALSpace

M5

# 100 Mechanical Thumbturn

## MECHANICAL LOCKS



LHSB Shown

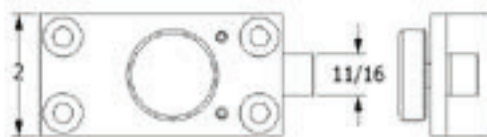
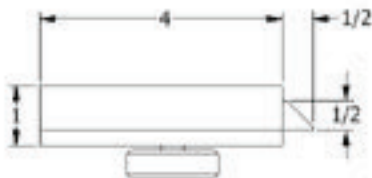
### DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Surface or  
Pocket Mount  
**SECURITY:** Minimum

The 100 Series is a latch for use in food pass, observation, locker, and other small doors where slam-locking is preferred and deadlocking is not required.

### OPTIONAL FEATURES

Mounting - Hollow metal, plate mountings



### STANDARD FEATURES

7/16" Bolt Throw  
1" x 7/16" Latchbolt  
1/2" Projection  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
All Zinc Plated Exterior

### HANDING

100SB - Standard Bevel  
100RB - Reverse Bevel

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**M6**

# 30 Mechanical Hookbolt

## DESCRIPTION

**TYPE:** Sliding Door Lock  
**STYLE:** Surface or  
Pocket Mount  
**KEY:** Paracentric  
**SECURITY:** Max

The 30 Series Mechanical Hookbolt is a sliding door lock for use on cell door, corridor door, dayroom door and dormitory door applications. The 30 is also suitable for Control cabinets and storage rooms.



Left Hand Shown

## STANDARD FEATURES

1/2" Hookbolt  
3/16" Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

Available 5 or 6 Tumbler  
Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

High Security Six Tumbler Lock

Mountings -

Hollow Metal Mounting  
Plate Mounting  
Grille Mounting

MECHANICAL LOCKS

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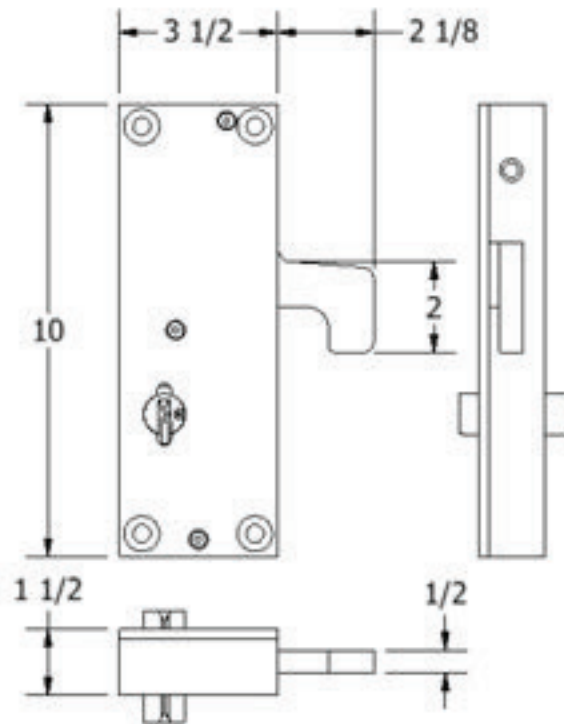
M7



## OPERATION DETAILS

The 30 Series deadlock is a hookbolt lock recommended for sliding doors, such as cell doors, or applications where manual deadlocking is desired.

The 30 Series deadlocks by key only. The lock is operated by paracentric key which lifts the hookbolt to unlock the door.



## ACCESSORIES

30KP - Keeper with mounting screws

30SW - Keeper switch with mounting screws

30DB - Keeper and dust box with mounting screws

30SF - Surface mounted keeper with mounting screws

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BY  **VITALSpace**

**M8**

# 35 Mechanical Hookbolt

## DESCRIPTION

**TYPE:** Sliding Door Lock

**STYLE:** Surface or  
Pocket Mount

**KEY:** Paracentric

**SECURITY:** Maximum

The 35 Series Mechanical Hookbolt is a sliding door lock for use on corridor door, dayroom door and dormitory door applications.



Left Hand Shown

## STANDARD FEATURES

1/2" Hookbolt  
3/16" Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Heavy Duty Brass Tumblers  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

Available 5 or 6 Tumbler  
Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

High Security Six Tumbler Lock

Mountings -

Hollow Metal Mounting  
Plate Mounting  
Grille Mounting

MECHANICAL LOCKS

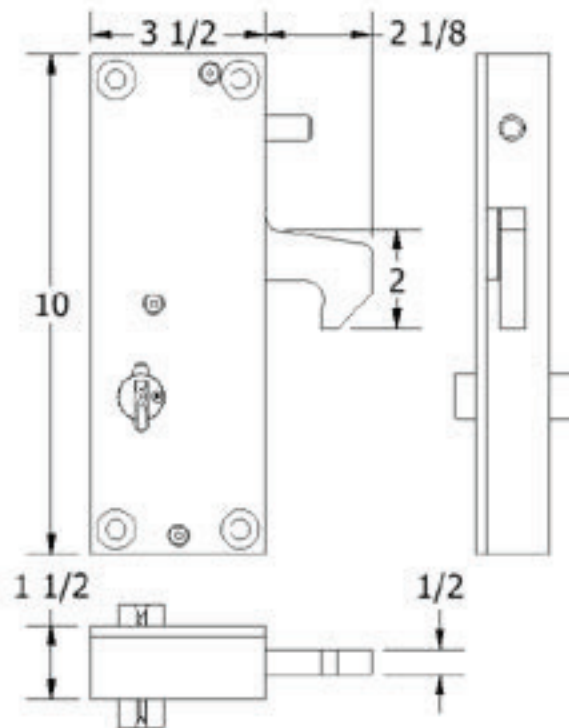
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## OPERATION DETAILS

The 35 Series deadlatch is a hookbolt lock recommended for sliding doors requiring slam locking such as corridor doors and entrance doors.

The 35 Series automatically deadlocks upon closing the door. The lock is operated by paracentric key which lifts the hookbolt to unlock the door.



## ACCESSORIES

30KP - Keeper with mounting screws

30SW - Keeper switch with mounting screws

30DB - Keeper and dust box with mounting screws

30SF - Surface mounted keeper with mounting screws

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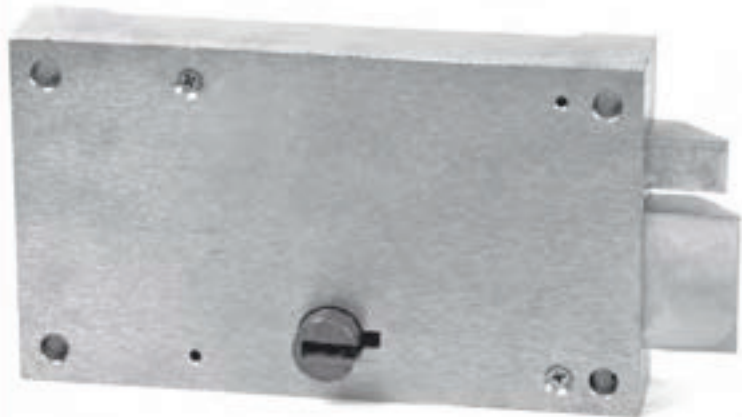
**M10**

# 70 Mechanical Snaplock

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Surface or  
Pocket Mount  
**KEY:** Paracentric  
**SECURITY:** Max

The 70 Series Mechanical Snaplock is a swing door lock for use on cell door, corridor door, dayroom door and dormitory door applications. The 70 is also suitable for Control cabinets and storage rooms.



RHSB Shown

## STANDARD FEATURES

3/4" Bolt Throw  
3/4" x 3/4" Latchbolt Actuator  
Automatic Deadlocking  
Reverse and Standard Bevel  
1/2" or 1 1/4" Projections  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Investment Cast Key Cylinder  
Heavy Duty Brass Tumblers

## KEYING

Available 5 or 6 Tumbler  
Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

High Security Six Tumbler Lock

Mountings -  
Hollow Metal Mounting  
Plate Mounting  
Grille Mounting

MECHANICAL LOCKS

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M11



## OPERATION DETAILS

The 70 Series deadlatch is an automatic deadlock, designed for use in maximum security applications for day rooms, recreational areas, or dining rooms. It offers the convenience of slam locking.

The 70 Series operates by paracentric key, which releases the automatic deadlock and retracts the latchbolt.

## ACCESSORIES

70ST - Strike with mounting screws

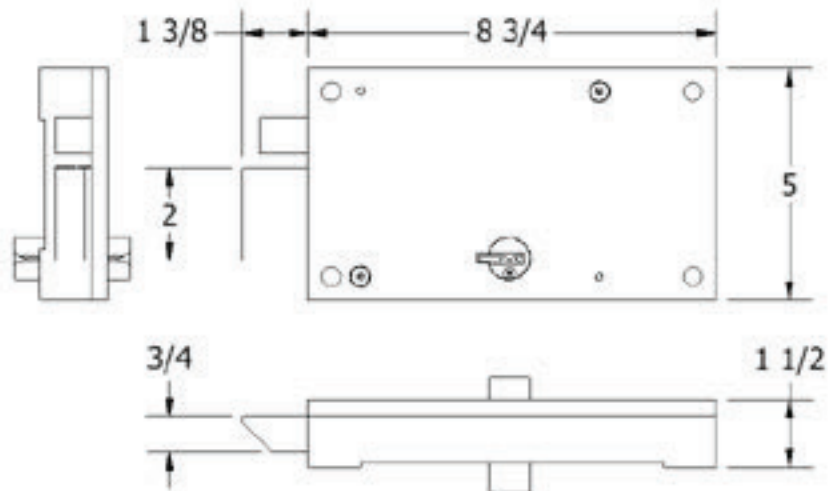
70SW - Strike switch with mounting screws

70DB - Strike and dust box with mounting screws

70SF - Surface mounted keeper with mounting screws

## SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data



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**M12**

# 80 Mechanical Deadbolt

## DESCRIPTION

**TYPE:** Swing Door Lock

**STYLE:** Surface or  
Pocket Mount

**KEY:** Paracentric

**SECURITY:** Max

The 80 Series Mechanical Deadbolt is a swing door lock for use on cell door, corridor door, dayroom door and dormitory door applications. The 80 is also suitable for Control cabinets and storage rooms.



Left Hand Shown

## STANDARD FEATURES

3/4" Bolt Throw  
3 Hardened Steel Pins in Bolt  
1/2" or 1 1/4" Projections  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
Investment Cast Key Cylinder  
Heavy Duty Brass Tumblers  
1 1/2" x 3/4" Deadbolt  
All Zinc Plated Exterior

## KEYING

Available 5 or 6 Tumbler  
Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

High Security Six Tumbler Lock

Mountings -

Hollow Metal Mounting  
Plate Mounting  
Grille Mounting

MECHANICAL LOCKS

MIDWEST PORTLAND

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M13

## OPERATION DETAILS

The 80 Series is a solid deadbolt designed for cell doors, corridor doors and day room doors, for use in maximum security applications. They are also suitable for access doors, storage rooms and control cabinets.

The 80 Series operates by paracentric key, which releases the deadlock and retracts the latchbolt.

## SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data

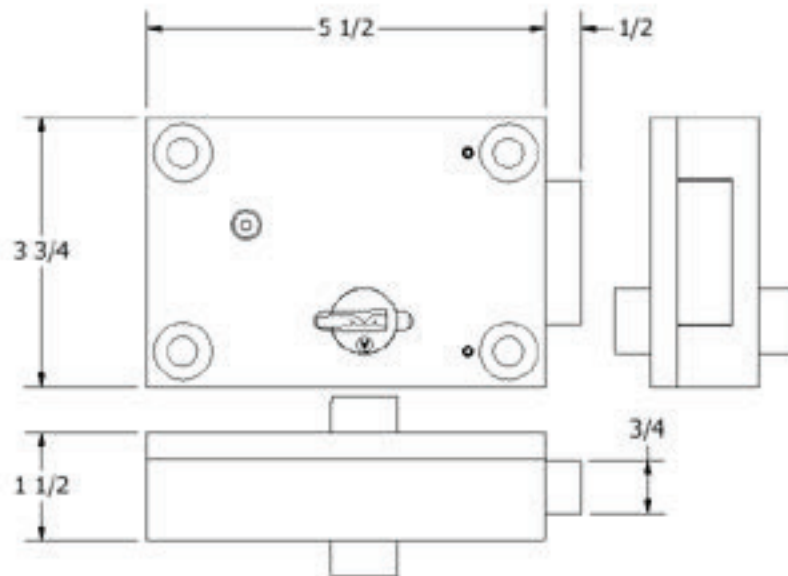
## ACCESSORIES

80KP - Keeper with mounting screws

80SW - Keeper switch with mounting screws

80DB - Keeper and dust box with mounting screws

80SF - Surface mounted keeper with mounting screws



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**M14**

# 85 Mechanical Deadbolt

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Surface or  
Pocket Mount  
**KEY:** Mogul  
**SECURITY:** Max

The 85 Series Mechanical Deadbolt is a swing door lock for use on cell door, corridor door, dayroom door and dormitory door applications. The 80 is also suitable for Control cabinets and storage rooms.



Right Hand Shown

## STANDARD FEATURES

3/4" Bolt Throw  
3 Hardened Steel Pins in Bolt  
Mogul Key Cylinder  
1/2" or 1 1/4" Projections  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
Corrosive Resistant Parts  
1 1/2" x 3/4" Deadbolt  
All Zinc Plated Exterior  
Investment Cast Key Cylinder

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)

## OPTIONAL FEATURES

Mountings -  
Hollow Metal Mounting  
Plate Mounting  
Grille Mounting

MECHANICAL LOCKS

**MIDWEST PORTLAND**

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**M15**



## OPERATION DETAILS

The 85 Series is a solid deadbolt designed for cell doors, corridor doors and day room doors, for use in maximum security applications. They are also suitable for access doors, storage rooms and control cabinets.

The 85 Series operates by mogul key cylinder, which releases the deadlock and retracts the latchbolt.

## SPECIFICATIONS & STANDARDS COMPLIANCE

See Section "T" for All Technical Data

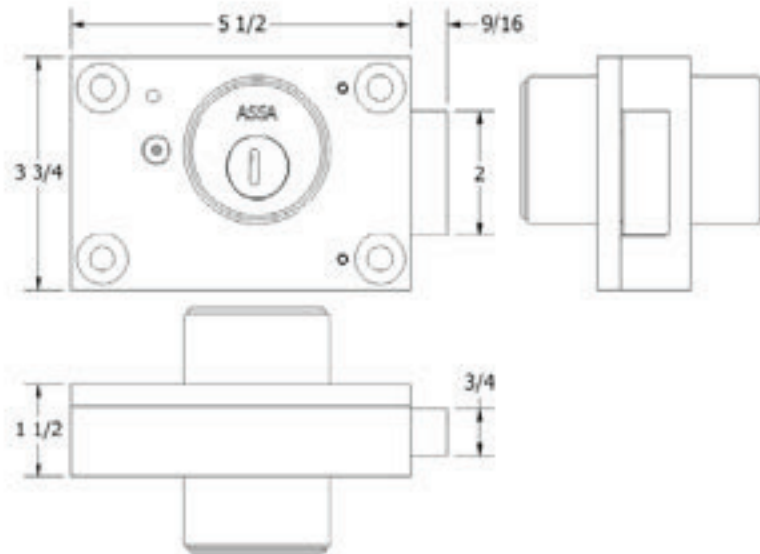
## ACCESSORIES

80KP - Keeper with mounting screws

80SW - Keeper switch with mounting screws

80DB - Keeper and dust box with mounting screws

80SF - Surface mounted keeper with mounting screws



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**M16**

# 20 Series Head & Foot Bolt

## DESCRIPTION

**TYPE:** Swing Door Lock  
**STYLE:** Hollow Metal  
**KEY:** Paracentric  
**SECURITY:** Med/Max

The 20 Series Head & Foot Bolt is a high security locking mechanism for securing one side of a set of double doors.

## STANDARD FEATURES

3/4" x 1 1/2" Bolt  
5/8" Bolt Throw  
Investment Cast Key Cylinder  
1/4" Cold Drawn Steel Cover  
Heavy Duty Cast Case  
10 Ga. Hollow Metal Mount  
Zinc Plated Keeper  
Corrosive Resistant Parts  
All Zinc Plated Exterior

## KEYING

Case Side  
Cover Side  
Both Sides  
(See Handing Chart)



Left Hand  
Shown

Sold Individually or as Set



Utilizes 10 Series  
Deadbolt

MECHANICAL LOCKS

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M17

# Hollow Metal - Plate - Grille Mountings



## Hollow Metal Mounting - (HM)

10 Gauge Steel - Primed

### Models

11 HM - 10 Series Lock

31 HM - 30 Series Lock

71 HM - 70 Series Lock

81 HM - 80 Series Lock



## Plate Mounting - (P)

7 Gauge Steel - Plated

### Models

32 P - 30 Series Lock

72 P - 70 Series Lock

82 P - 80 Series Lock



## Grille Mounting - (G)

10 Gauge Steel - Plated

### Models

33 G - 30 Series Lock

73 G - 70 Series Lock

83 G - 80 Series Lock

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