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## 10 Series Mechanical Deadlock

### Product Model Information

Key	Prison Paracentric
Door	Swinging
Security	Maximum

### Specify Keying as Follows:

125 Tumbler, Keyed 1 Side
12-66 Tumbler, Keyed 1 Side
165 Tumbler, Keyed 2 Sides
16-66 Tumbler, Keyed 2 Sides

### Description

Series 10 Deadlocks are lever tumbler, mechanical locks for swinging doors.



### Applications

Series 10 Deadlocks are designed for use on small swinging doors such as access panels, plumbing spaces, electric panels or hatches which are infrequently used. They are not intended for use on cell doors. Specify handing when ordering.

### Standard Features

- Mechanical operation - Locks and unlocks by key. For key removal in locked position only, specify a single wing escutcheon on lock mounting or access door.
- Durable case - Malleable iron case, 1/8" thick cold drawn steel cover.
- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumblers - 5 spring temper brass tumblers, activated by heavy phosphor bronze springs. Precision fit to locking fence.
- Large, solid deadbolt - Galvanized steel, 1-1/2" x 5/8"
- Bolt throw - 5/8"
- Bolt projection - 3/4" and 1-1/4" are standard, specify one.
- Investment cast key cylinder - One piece bronze alloy with paracentric keyway.

- Finish - Standard is USP primed.

### **Optional Features**

- High security - Six tumbler model offers greater pick resistance.
- Bolt projection - May be varied to suit conditions, consult factory.
- Mounting - Hollow metal or plate mounting
- Finish - Galvanized

### **Accessories**

- 10-4B Mortise Keeper
- 10-4BL Mortise Keeper with switch
- 10-4DB Mortise Keeper with dustbox
- 10-4F Surface Keeper

### **Specifications**

10 Series deadlock for access panels, key cabinets and electrical panels.

#### 1. Material:

- a. Case - Malleable iron casting.
- b. Cover - Cold finished steel, 1/4 inch thick.
- c. Deadbolt - Cold finished steel, Electro-galvanized, 3/4 inch thick, 5/8 inch throw.
- d. Cylinder - Investment cast, silicon brass alloy, for key one side (12) or key both sides (16).

#### 2. Performance:

- a. Key operated deadlock. Key removable in the locked and unlocked positions.
- b. Galvanize case, cover and deadbolt.
- c. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.

#### 3. Accessories:

- a. Lock mountings - HM for hollow metal doors, P for plate doors.
- b. 10-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.



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## 17 Series Latch

### Product Model Information

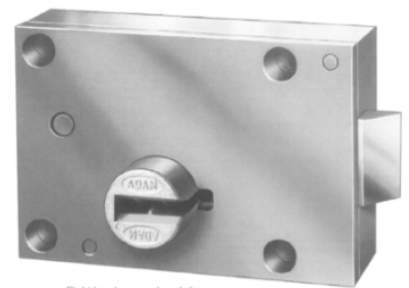
Key	Prison Paracentric
Door	Food Pass / Swinging
Security	Medium

### Description

Number 17 Latches are lever tumbler, mechanical locks for small, swinging doors. Keyed one side only.

### Applications

Number 17 Latches are designed for use above hinged food pass doors, on observation panels, gun lockers, or other small doors. Specify handing.



Right hand reverse bevel shown.

### Standard Features

- Mechanical operation - Unlocks by key.
- Automatic snap-locking - When door is closed.
- Durable case - Malleable iron case with 1/4" cold drawn steel cover.
- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumblers - 5 spring-temper brass tumblers, activated by heavy phosphor bronze springs. Precision fit to locking fence.
- Large solid latchbolt - Investment cast stainless steel 1" x 7/16" flush when retracted.
- Bolt throw - 7/16"
- Investment cast key cylinder - One piece bronze alloy with paracentric keyway.
- Supplied - with four 1/4-20 x 1/2" flat head security screws.
- Finish - Standard is USP

## Optional Features

- Hollow metal mounting - Combined with 1/2" bolt projection for in-the-door pocket mounting.
- Square bolt - Flush and 1/2" projection stainless steel square bolt for special applications
- Finish - Galvanized

## Accessories (Must be purchased separately)

- 17-4F - Keeper/pull for surface mounted lock.
- 17-4FPD - Food pass door with keeper (specify 3FP hinges separately)

## Specifications

17 latch for food passes.

### 1. Material:

- a. Case - Malleable iron casting.
- b. Cover - Cold finished steel, 1/4 inch thick.
- c. Latchbolt - Investment cast stainless steel, 7/16 inch throw.
- d. Cylinder - Investment cast, silicon brass alloy, for key one side (17).

### 2. Performance:

- a. Key operated latch. Key removable in the latched position.
- b. Galvanize lock case and cover.
- c. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.

### 3. Accessories:

- a. Provide surface mounted applications with a combination keeper-pull fabricated from steel.
- b. Provide 1/4 inch Torx flat head mounting screws.

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## 17-M Series Latch

### Product Model Information

Key	Prison Paracentric
Door	Food Pass / Swinging
Security	Medium

### Description

Specifically designed for food-pass door applications, the 17-M latch offers the strength of our original 17 Series Latch combined with the high technology of Maxi-Mogul cylinder operation. Now, staff need only carry Mogul type keys. Surface or hollow metal mountings available. A 17-4 keeper should be specified to capture the latchbolt and protect it from tampering when surface mounted.



### Applications

Ideal for food-pass doors, small wicket doors, observation panels or gun lockers. 17-M and 17-M1 latches are designed to mount above the door and snap-lock instantly on closure. These latches may be specified with either the 110 Mogul, or exclusive 190 Maxi-Mogul Cylinder as needs dictate. When Maxi-Mogul cylinders are specified, Level 1 keying will be provided.

### Standard Features

- Maxi-Mogule key cylinder - Provides maximum pick resistance. UL437 listed.
- Case - Malleable iron.

- Corrosion resistant - Working parts are corrosion resistant.
- Tamper resistant construction
- Latchbolt throw - 7/16". Flush when retracted, or  $\frac{3}{8}$ " projection for hollow metal pocket installation.
- Large, solid latchbolt - Investment cast stainless steel, 1" x 7/16"
- Supplied - With four  $\circ$ -20 x 1-1/2" flat head security screws

### **Optional Features**

- Square bolt - Flush and  $\frac{3}{8}$ " projection stainless steel square bolt for special applications.
- 110 Mogul key cylinder - For existing applications.
- Cylinder finish - US4 standard,
- US26,US26D, US10 and US10B available
- Hollow metal mounting - Combined with  $\frac{3}{8}$ " bolt projection for in the door pocket mounting.
- Keying - Master keying is available
- Finish - Galvanized

### **Accessories (Must be purchased separately)**

- 17-4F Keeper/pull for surface mounted lock
- 17-4FPD Food pass door with 17-4 keep/pull (specify 3FP hinges separately)

### **Specifications**

17-M1 Latch for Hollow Metal Food Passes.

#### 1. Material:

- a. Case - Malleable iron casting.
- b. Cover - Cold finished steel, 1/4 inch thick.
- c. Latchbolt - Investment cast stainless steel, 7/16 inch throw.
- d. Cylinder - 190 Maxi-Mogul pin tumbler cylinder with Level 1 security. - Refer to 2.10
- e. Mounting - 7 gauge HRS steel, 5 x 5.5 inches.

#### 2. Performance:

- a. Key operated latch. Key removable in the latched position.
- b. Galvanize lock case and cover.
- c. Cylinder shall comply with UL437 key locks.

#### 3. Accessories:

- a. Provide surface mounted applications with a combination keeper-pull fabricated from steel.
- b. Provide 1/4 inch security flat head mounting screws.



## 30/30D Deadlock & Deadlatch

### Product Model Information

Key	Prison Paracentric
Door	Sliding
Security	Maximum

### Specify Keying as Follows:

32	Keyed 1 Side
36	Keyed 2 Sides
32D	Keyed 1 Side
36D	Keyed 2 Sides

### Description

Series 30 locks are deadlatches. Series 30D Deadlocks are lever tumbler, mechanical locks for sliding doors.

### Applications

Series 30D Deadlocks are recommended for use on sliding cell, corridor, or entrance doors. Ideal for doors left open or unattended at times. Series 30 Deadlatches are recommended for sliding door requiring slam-locking, such as corridor or entrance doors. Doors should never be left unattended in open position. Not for use on cells.

### Standard Features

- Automatic deadlocking (Series 30) - Deadlocks on door closure, unlocks by key. Key is removable in the latch position only.
- Mechanical operation (Series 30D) - Deadlocks and unlocks by key. Key is removable in both locked and unlocked condition.
- Durable case - Malleable iron case with 3/16" thick steel cover.
- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumblers - 5 spring temper brass tumblers, activated by heavy phosphor bronze springs. Precision fit to locking fence.
- Large, solid hookbolt - Galvanized, hardened steel, 1/2" thick.
- Bolt movement - 5/8" lift.
- Investment cast key cylinder - One piece bronze alloy with paracentric keyway.
- Finish - USP standard.

## Optional Features

- Mounting - Hollow metal, grille, or plate door mounting.
- Finish - Galvanized

## Accessories

- 30-4BL - Mortise keeper with switch/mounting screws.
- 30-4DB - Mortise keeper with dustbox/mounting screws.
- 30-4F - Surface mounted keeper/mounting screws.

## Specifications

### MECHANICAL LEVER TUMBLER LOCKS

- a. General: Lever tumbler locks shall operate with paracentric key. Key all lever tumbler locks into one keying system. Key locks alike in groups or key differently to the approved keying schedule. Master keying is not permitted for lever tumbler locks. Include lock mounting, escutcheons, strike and mounting screws for a complete application. Use break off head security screws on lock mounting and strike. Use Torx tamper resistant screws on cylinder escutcheons.

### **30 series maximum security sliding door deadlock.**

1. Material:
  - a. Case - Malleable iron casting.
  - b. Cover - Cold finished steel, 1/8 inch thick.
  - c. Hookbolt - Hot finished steel, flame cut shape, hardened, electro-galvanized, 1/2 inch thick with bevel for snap-locking.
  - d. Slide - Cold finished steel, electro-galvanized, with fence and deadlock.
  - e. Deadlock pin - 1/2 inch diameter cold finished steel, hardened, electro-galvanized.
  - f. Cylinder - Investment cast, silicon brass alloy, for key one side (32) or key both sides (36).
2. Performance:
  - a. Key operated deadlatch. Key removable in the locked and latch positions.
  - b. Galvanize case, cover, hookbolt and slide.
  - c. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.



3. Accessories:
  - a. Lock mountings - G for grille doors, HM for hollow metal doors, P for plate doors.
  - b. 30-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.
  - c. 30-4BL Strike - 3/16 inch steel with dust box and switch to monitor latchbolt position.

### **30D series maximum security sliding door deadlock.**

1. Material:
  - a. Case - Malleable iron casting.
  - b. Cover - Cold finished steel, 1/8 inch thick.
  - c. Hookbolt - Hot finished steel, flame cut shape, hardened, electro-galvanized, 1/2 inch thick.
  - d. Slide - Cold finished steel, electro-galvanized, with fence and deadlock.
  - e. Cylinder - Investment cast, silicon brass alloy, for key one side (32D) or key both sides (36D).
2. Performance:
  - a. Key operated deadlock. Key removable in the locked and unlocked positions.
  - b. Galvanize case, cover, hookbolt and slide.
  - c. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.
3. Accessories:
  - a. Lock mountings - G for grille doors, HM for hollow metal doors, P for plate doors.
  - b. 30D-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.
  - c. 30D-4BL Strike - 3/16 inch steel with dust box and switch to monitor latchbolt position.

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## 60/60K Latch & Key Operated Deadlocks

### Product Model Information

Key	Prison Paracentric
Door	Swinging
Security	Maximum

### Specify Keying as Follows:

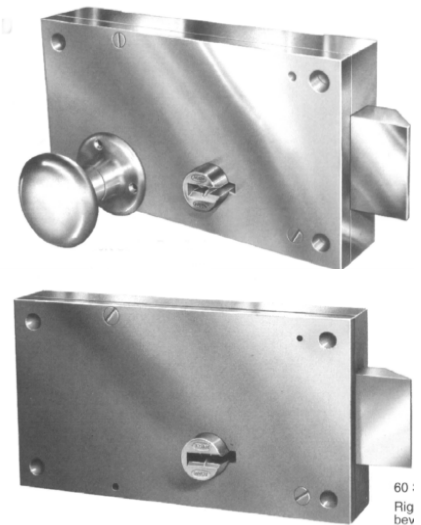
62	Keyed 1 Side
66	Keyed 2 Sides
62K	Knob model keyed 1 side
66K	Knob model keyed 2 sides

### Description

Series 60 Locks are lever tumbler mechanical locks for swinging doors. Series 60 Locks are key operated only. Series 60K Locks also have a knob set which is active when the lock is not deadlocked.

### Applications

Series 60 locks are ideal for use on corridor, cell dining room or recreational area doors. Series 60K locks with knobs are suited administration or infirmary areas where staff personnel require the convenience of knob operation combined with slam-locking and the security of a deadlock. UL listed as Fire Door Accessory, 3 hour rating with strike.



### Standard Features

- Knob operation(60K)  
Knob will operate latchbolt unless deadlocked
- Mechanical operation  
Locks and unlocks by key. A half-turn of the key. A full turn of the key, in the opposite direction, deadlocks the latchbolt.
- Snap-Locks Automatically when door is closed.
- Malleable Iron Case and 3/8" thick cold drawn steel cover

- Corrosion resistant working parts
- Latchbolt - solid steel, with two, concealed, hardened-steel roller pins to resist sawing. Latchbolt is gavanized.
- Lever tumblers made of spring-temper brass, activated by heavy, phosphur-bronze springs.
- Key cylinder - one piece, bronze alloy with paracentric keyway.
- Bolt size - 2" - 3/4"
- Bolt throw - 3/4"
- Finish - Case and cover USP, primed for paint.
- Knobs and roses(Series 60K)  
Solid brass, attached to a 3/8" square spindle by exposed set screws on one side, and a concealed cross-pin on the other. Knobs are provided for both sides unless specified otherwise.

### **Optional Features**

- Bolt projection may be varied to suit conditions. Consult factory for available variations.
- Finish - Case and cover USP, primed for paint.
- Mountings available for grille, hollow metal, plate or wood doors.
- Single knob (60K Series)
- Safety knob (60K Series)
- Mortise keeper - 60-4B
- Keeper with switch - 60-4BL
- Keeper with dust box - 60-4DB

### **Specifications**

#### **MECHANICAL LEVER TUMBLER LOCKS**

- a. General: Lever tumbler locks shall operate with paracentric key. Key all lever tumbler locks into one keying system. Key locks alike in groups or key differently to the approved keying schedule. Master keying is not permitted for lever tumbler locks. Include lock mounting, escutcheons, strike and mounting screws for a complete application. Use break off head security screws on lock mounting and strike. Use Torx tamper resistant screws on cylinder escutcheons.

#### **60K series maximum security latch and key operated deadlock with knob set.**

1. Material:
  - a. Case - Malleable iron casting.
  - b. Cover - Cold finished steel, 3/8 inch thick.

- c. Latchbolt - Cold finished steel, electro-galvanized, 1/2 inch thick with two 1/4 inch diameter hardened steel roller pins, 3/4 inch throw.
- d. Deadlock slide - Cold finished steel, electro-galvanized, with fence and deadlock cam.
- e. Knob set - Solid brass 2 1/4 inch diameter, .343 inch square steel spindle with threaded adjustment. Provide safety knob and rose set as scheduled.
- f. Cylinder - Investment cast, silicon brass alloy, for key one side (62K) key both sides (66K).

2. Performance:

- a. Lock shall comply with UL10B Fire Tests of Door Assemblies, ClassA -3 Hour Rating.
- b. Unlocks with a half turn of the key. Deadlocks with a full turn of the key in the opposite direction. Latch operated by knob set unless deadlocked. Key removable in the locked and deadlocked positions.
- c. Galvanize case, cover, latchbolt and slide.
- d. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.

3. Accessories:

- a. Lock mountings - G for grille doors, HM for hollow metal doors, P for plate doors.
- b. 60K-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.
- c. 60K-4BL Strike - 3/16 inch steel with dust box and switch to monitor latchbolt position.

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## 70 Series Deadlatch

### Product Model Information

Key	Prison Paracentric
Door	Swinging
Security	Maximum

### Specify Keying as Follows:

72	Keyed 1 Side
76	Keyed 2 Sides

### Description

Series 60 Locks are lever tumbler mechanical locks for swinging doors. Series 60 Locks are key operated only. Series 60K Locks also have a knob set which is active when the lock is not deadlocked.

### Applications

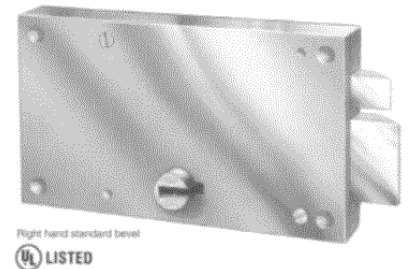
Series 70 Deadlatches are lever tumbler, mechanical locks for swinging doors.

### Standards Compliance

UL10-B listed as Fire Door Accessory, 3 hour rating with strike.

### Standard Features

- Deadlocks automatically when door is closed. Unlocks by key.
- Malleable Iron Case and steel cover.
- Corrosion resistant working parts.
- Latchbolt - solid steel with two concealed, hardened-steel roller pins, to resist sawing. Latchbolt is galvanized. Lever tumblers made of spring-temper brass, activated by heavy, phosphor-bronze springs.
- Key cylinder - one piece, bronze alloy with paracentric keyway.
- Bolt size - 2" - 3/4"
- Bolt throw - 3/4"
- Finish - Case and cover USP, primed for paint.



## Optional Features

- Bolt projection may be varied to suit conditions. Consult factory for available variations.
- Finish - Case and cover : galvanized for corrosion resistance.
- Mountings available for hollow metal, plate or wood doors.
- Mortise keeper 70-4B
- Keeper with switch 70-4BL
- Keeper with dust box 70-4DB

## Specifications

### MECHANICAL LEVER TUMBLER LOCKS

- a. General: Lever tumbler locks shall operate with paracentric key. Key all lever tumbler locks into one keying system. Key locks alike in groups or key differently to the approved keying schedule. Master keying is not permitted for lever tumbler locks. Include lock mounting, escutcheons, strike and mounting screws for a complete application. Use break off head security screws on lock mounting and strike. Use Torx tamper resistant screws on cylinder escutcheons.

### 70 Series maximum security deadlatch.

1. Material:
  - a. Case - Malleable iron casting.
  - b. Cover - Cold finished steel, 3/8 inch thick.
  - c. Latchbolt - Cold finished steel, electro-galvanized, 3/4 inch thick with two 1/4 inch diameter hardened steel roller pins, 3/4 inch throw.
  - d. Deadlock actuator - Cold finished steel, electro-galvanized, 1/2 inch thick, 1/2 inch travel.
  - e. Cylinder - Investment cast, silicon brass alloy, for key one side (72) or key both sides (76).
2. Performance:
  - a. Lock shall comply with UL10B Fire Tests of Door Assemblies, Class A - 3 Hour Rating.
  - b. Key unlocks and retracts latchbolt. Deadlocked by actuator when closed. Key removable in the latched and deadlocked position.
  - c. Galvanize case, cover, latchbolt and deadlock actuator.
  - d. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.
3. Accessories:

- a. Lock mountings - G for grille doors, HM for hollow metal doors, P for plate doors.
- b. 70-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.
- c. 70-4BL Strike - 3/16 inch steel with dust box and switch to monitor latchbolt position.


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## 80 Series Deadlock

### Product Model Information

Key	Prison Paracentric
Door	Swinging
Security	Maximum

### Specify Keying as Follows:

82	Five tumbler model, Keyed 1 Side
82-6	Six tumbler model, Keyed 1 Side
86	Five tumbler model, Keyed 1 Side
86-6	Six tumbler model, Keyed 2 Sides

### Description

Series 80 Deadlocks are lever tumbler, mechanical locks for swinging doors.

### Applications

Series 80 Deadlocks are designed for use on cell doors, corridor doors, dormitory doors, and dayrooms. They are also suited for storage rooms, or large control cabinets. Specify handing when ordering.



### Standard Features

- Mechanical operation - Locks and unlocks by key. For key removal in locked position only, specify a single wing escutcheon on lock mounting or access door.
- Durable case - Drop forged case with 3/8" thick cold drawn steel cover.
- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumblers - Spring temper brass, activated by heavy phosphor bronze springs. Series 80 use five tumblers, Series 80-6 use six. Precision fit to locking fence.
- Large, solid deadbolt - Galvanized steel with three hardened steel roller pins, 2" x 3/8". Projects 1/2" when retracted.
- Bolt throw - 3/4"

### Optional Features



- High security - Six tumbler model offers greater pick resistance.
- Bolt projection - May be varied to suit conditions, consult factory.
- Finish - Case and cover may be galvanized for corrosion resistance.
- Mounting - Hollow metal, plate or grille mounting.

### **Accessories (Must be Ordered Separately)**

- 80-4B Mortise keeper
- 80-4BL Mortise keeper with switch
- 80-4DB Mortise keeper with dustbox
- 80-4F Surface mounted keeper

### **Specifications**

#### **80 Series maximum security deadlock.**

1. Material:
  - a. Case - Drop forged carbon steel.
  - b. Cover - Cold finished steel, 3/8 inch thick.
  - c. Deadbolt - Cold finished steel, electro-galvanized, 3/4 inch thick with three 1/4 inch diameter hardened steel roller pins, 3/4 inch throw.
  - d. Cylinder - Investment cast, silicon brass alloy for key one side (82) or key both sides (86).
2. Performance:
  - a. Include anti-bind feature to prevent tumblers from binding with side pressure applied to deadbolt. Lock shall operate under a 300 pound side load test.
  - b. Key operated deadlock. Key removable in the locked and unlocked positions.
  - c. Galvanize case, cover and deadbolt.
  - d. Comply with paragraph 2.03.C & D. Keys, cylinders and tumbler sets.
3. Accessories:
  - a. Lock mountings - G for grille doors, HM for hollow metal doors, P for plate doors.
  - b. 80-4DB Strike - 3/16 inch steel with dust box to protect bolt, and mounting screws.
  - c. 80-4BL Strike - 3/16 inch steel with dust box and switch to monitor bolt position.



### FGM80 Fence Gate Deadlock

#### Product Model Information

Key	Prison Paracentric
Door	Swinging Fence Gate
Security	Maximum

#### Specify Keying as Follows:

FGM-82	Five tumbler model, Keyed 1 Side
FGM-82-6	Six tumbler model, Keyed 1 Side
FGM-86	Five tumbler model, Keyed 1 Side
FGM-86-6	Six tumbler model, Keyed 2 Sides

#### Description

Model FGM-80 Deadlock is a lever tumbler, mechanical lock and mounting for swinging chain link fence gates.

#### Applications

FGM-80 Deadlocks are designed for use in outdoor applications to secure swinging fence gates. Specify handing when ordering.

#### Standard Features

- Mechanical operation - Locks and unlocks by key. For key removal in locked position only, specify single wing escutcheon.
- Durable construction - Drop forged case and 3/8" thick cold drawn steel cover.
- Tamper resistant mounting - Formed from 7 gauge steel with break-off-head security screws.
- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumblers - Spring-temper brass, activated by heavy phosphor bronze springs. Precision fit to the locking fence.
- Large, solid deadbolt - Galvanized steel, 2" x 1/2" with two hardened steel roller pins to resist sawing. Bolt is flush with mounting when retracted.
- Bolt throw - 1/2"
- Investment cast key cylinder - One piece, bronze alloy with paracentric keyway.
- Investment cast key cylinder - One piece bronze alloy with paracentric keyway.

- Finish - Standard is USP primed
- Finish - All exposed lock components and mounting hardware galvanized for exterior application.
- Supplied - With front bar and 2CS Cylinder Shield one or both sides. #2 Pull may be added to one or both sides of the mounting, specify separately.

### **Optional Features**

- High security - Six tumbler model offers greater pick resistance.

### **Accessories**

- 80-4H Fence gate lock keeper

### **Pulls**

- Pull(s) #2 Pulls may be added to one or both sides of the mounting.

### **Specifications**

Contact us for specifications.

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## 110 Series Mortise Lock

### Product Model Information

KeyMogul or Builders Hardware
DoorSwinging
SecurityMedium / Minimum

### Specify Keying as Follows:

110-01 Keyed one side, latch and deadbolt
110-02 Keyed two sides, latch and deadbolt
110-04 Keyed one side, deadbolt
110-05 Keyed two sides, deadbolt
110-07 No cylinders, Latch only

### Description

Series 110 Mortise Locks are pin tumbler, mechanical locks for swinging doors.

### Applications

Series 110 Locks are suited for minimum to medium security applications in detention facilities. Specify for offices, patient rooms, or any area where abuse is unlikely. For swinging wood or hollow metal doors, 1-3/4" thick or more. Specify thickness and handing when ordering.

### Standard Features

- Deadbolt operation - Lock and unlock by key.
- Latchbolt snap-locking - When door is closed, operated by knobs.
- Maxi-Mogul key cylinder - Level 1 cylinder standard, higher security levels available on request.
- Heavy duty knobs - Solid brass knobs and roses attached to spindle by exposed set screws on one side, and concealed cross-pin on the other. Provided on both sides unless otherwise specified. 3/8" square spindle on diamond.
- Armored front - Adjustable from flat to 1/8" in 2" bevel. Consists of a galvanized steel backplate, and brass faceplate.



- Durable case - Cast brass alloy.
- Corrosion-resistance - Working parts are corrosion-resistant material.
- Large, solid brass latch/deadbolt -
- Latchbolt size: 1-1/4" x 9/16"
- Deadbolt size: 1-3/4" x 5/8"
- Hardened steel inserts to resist sawing.
- Bolt/latch throw - Deadbolt: 1" throw
- Latchbolt: 3/4" throw, flush when retracted
- Supplied - With strike and mounting screws.
- Finish - Trim, US4 satin brass

### **Optional Features**

- Mogul cylinder - Specify "MO" for keying locks into existing 110 Series Mogul key system.
- Single knob - Specify side.
- Safety knob - Specify "SK".
- For safety knobs on both sides, specify double "SK"
- Modification for builders hardware type cylinders - Locks may be modified to accept builders hardware cylinders. Cylinders must be 1-5/32" diameter, and 1-1/4" long, from underneath head including cam. Must be removable cam. Cylinders and keys must be sent to Southern Folger Detention Equipment Company for assembly into locks.

### **Accessories**

- 110-4DB - Mortise strike with dust box and mounting screws
- 110-4BL - Mortise strike with dust box , switch and mounting screws

### **Available Models**

- **110-01 (112K)**  
Cylinder outside operates deadbolt  
Active knobs both sides operate latchbolt
- **110-02 (116K)**  
Cylinders both sides operate deadbolt  
Active knobs both sides operate latchbolt
- **110-03 (116KCTT)**  
Cylinder outside and cylinder thumb-turn inside operate deadbolt  
Active knobs both sides operate latchbolt
- **110-04 (112DL)**

Cylinder outside operates deadbolt  
No latchbolt  
No knobs

• **110-05 (116DL)**

Cylinder both sides operate deadbolt  
No latchbolt  
No knobs

• **110-06 (116DLCTT)**

Cylinder outside and cylinder thumb-turn inside operate deadbolt  
No latchbolt  
No knobs

• **110-07 (110KL)**

No cylinders  
No deadbolt  
Active knobs both sides operate latchbolt

• **110-09 (112K-09)**

Cylinder outside operates latchbolt and deadbolt  
Active knob inside operates latchbolt  
Rigid knob outside

• **110-10 (116K-10)**

Cylinder both sides operate latchbolt and deadbolt  
Active knob inside operates latchbolt  
Rigid knob outside

• **110-11 (116KCTT-11)**

Cylinder outside and cylinder thumb-turn inside operate latchbolt and deadbolt  
Active knob inside operates latchbolt  
Rigid knob outside

• **110-12 (112K-12)**

Cylinder outside, master key operates latchbolt and deadbolt, change key operates latchbolt only  
Active knob inside operates latchbolt  
Rigid knob outside

• **110-13 (116K-13)**

Cylinders both sides, master key operates latchbolt and deadbolt, change key operates latchbolt only  
Rigid knobs both sides

• **110-14 (116KCTT-14)**

Cylinder outside, master key operates latchbolt and deadbolt, change

key operates latchbolt only

Cylinder thumb-turn inside operates latchbolt and deadbolt

Rigid knobs both sides

## Specifications

Mortise pin tumber lock sets for swinging doors.

- A. Folger Adam 110 series medium security mortise lock set shall include lock, Maxi-Mogul Cylinder, strike, knob set, and mounting screws. All exposed screws shall be Torx tamper resistant.
- B. 110 Lock Functions:
  - 1. Unlock deadbolt by key outside, operate latchbolt by knobs both sides.
  - 2. Unlock deadbolt by key both sides, operate latchbolt by knobs both sides.
  - 3. Unlock deadbolt by key outside and cylinder thumb turn inside, operate latchbolt by knobs both sides.
  - 4. Unlock deadbolt by key outside, no knobs.
  - 5. Unlock deadbolt by key both sides, no knobs.
  - 6. Unlock deadbolt by key outside and cylinder thumb turn inside, no knob operation.
  - 7. Unlock deadbolt and operate latchbolt by key outside, operate latchbolt by inside knob, outside knob is rigid.
  - 8. Unlock deadbolt and operate latchbolt by key both sides, operate latchbolt by inside knob, outside knob is rigid.
  - 9. Unlock deadbolt and operate latchbolt by key outside and cylinder thumb turn inside, operate latchbolt by inside knob, outside knob is rigid.
  - 10. Unlock deadbolt and operate latchbolt by master key outside. Operate latchbolt by change key outside and knob inside. Outside knob is rigid.
  - 11. Unlock deadbolt and operate latchbolt by master key both sides. Operate latchbolt by change key both sides. Both knobs are rigid.
  - 12. Unlock deadbolt and operate latchbolt by master key outside and cylinder thumb turn inside. Both knobs are rigid.
- C. Material:
  - 1. Case and cover - Bronze alloy castings.
  - 2. Armored front - Galvanized steel.
  - 3. Faceplate - Brass or stainless steel.
  - 4. Strike - Brass or stainless steel.
  - 5. Deadbolt - Solid brass with two concealed steel roller pins.
  - 6. Latchbolt - Solid brass, reversible.
  - 7. Knob set - Solid brass 2 1/4 inch diameter, .343 inch square

steel spindle with threaded adjustment. Provide safety knob and rose set as scheduled.

8. Maxi-Mogul cylinder - Refer to 2.10.

D. Switch option: 110-4BL keeper switch as scheduled, UL Listed, SPDT contacts, 10 Amp rated.

E. Cylinders shall comply with UL437 Key Locks.

F. Design lock mechanism to operate a minimum of 800,000 cycles without failure.

G. Finish: See hardware schedule.

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### 3800 Cremone

#### Product Model Information

Key	Prison Paracentric
Door	Swinging
Security	Medium

#### Specify Keying as Follows:

3820	Keyed 1 Side
3860	Keyed 2 Sides

#### Description

Series 3800 Cremone Bolt Sets are lever tumbler, mechanical deadlocks for single or paired swinging doors. Cremone bolts provide three-point locking for the active or single door, and five point locking for paired doors.



#### Applications

Cremone locks are designed for maximum security on corridor, entrance, or armory doors which maybe subject to mass attack. Specify for use with hollow metal ar grille doors. Specify handing.



#### Standard Features

- Mechanical operation - Active door is operated by a key which deadlocks the deadbolt, head and foot bolts. Inactive door is operated from its own cylinder which deadlocks head and foot bolts.
- Lever handle operation - Head and foot bolts are operated by the handles, except when they are in deadlocked condition.
- Door types - Models available for use with 2" or thicker grille doors plug welded to flat, horizontal bars. In hollow metal doors 1-3/4" thick or more, bolt set mounts in a pocket with head and foot bolt concealed within door. (Specify doot thickness when ordering)
- Head and foot bolts - 7/8" Diameter steel. (Specify overall door opening height when ordering)
- Durable case and cover - 3/16" channel iron and 7 gauge steel.

- Corrosion resistance - Working parts are corrosion resistant.
- Heavy duty lever tumbler - 5 spring-temper brass tumblers, activated by heavy phosphor bronze springs. Precision fit to locking fence.
- Large solid bolt - Galvanized steel , 2" x 3/4" . Flush when retracted.
- Bolt throw - 3/4" at all three points
- Investment cast key cylinder - One piece bronze alloy with paracentric keyway.
- Rugged lever handles - Cast zinc handles and escutcheons, on both sides unless otherwise specified.
- Supplied with head and foot bolts, foot bolt receptacle(s), Escutcheon (s), and necessary mounting screws.
- Finish - USP Standard

### **Accessories**

- 80-4BL - Mortise center bolt keeper with switch/mounting screws. For single door only.
- 80-4DB - Mortise center bolt keeper with dustbox/mounting screws.
- 3S-4BL - Mortise head bolt keeper with switch/mounting screws
- 3S-FBR - Additional foot bolt receptacle may be used for hold-open position.

### **Specifications**

Contact us for specifications.

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## D9300 Series Mortise Lock

### Product Model Information

KeyMogul
DoorSwinging
SecurityMedium / Minimum

### Specify Keying as Follows:

110-01 Keyed one side, latch and deadbolt
110-02 Keyed two sides, latch and deadbolt
110-04 Keyed one side, deadbolt
110-05 Keyed two sides, deadbolt
110-07 No cylinders, Latch only

### Description

Series D9300 locks are pin tumbler mortise locks for swinging doors.

### Applications

An extra heavy duty mortise lock for use on swinging doors in minimum/medium security cell, or public areas of detention facilities.

Available in a variety of latchbolt, deadbolt and deadlocking latchbolt styles.

### Standard Features

- **Fits ANSI door preparation** - Standardized installation in hollow metal doors modified to accommodate lock body thickness of 1-1/8". (ANSI A156.13, Grade 1)
- **Door thickness** - Doors must be 1-3/4" to 2-1/2" thick.
- **Armored front** - 8" x 1-1/4" steel, 10 gauge.
- **High strength case and cover** - 12 gauge wrought steel, zinc chromated.
- **Corrosion-resistant working parts** - Internal working parts are stainless steel or zinc chromated steel.
- **Durable hubs** - Solid stainless steel construction, on the square.
- **Spindle** - 11/32" cold drawn steel.



- **Latchbolt** - æ" throw stainless steel, bolt head.
- **Deadbolt** - 1" throw stainless steel with two hardened roller inserts to inhibit sawing.
- **Latchbolt size** - 11/16" x 1-1/4".
- **Deadbolt size** - 11/16" x 1-1/2".
- **Reversible** - Locks are field reversible. Handing, if known, should be specified upon ordering.
- **Key cylinder** - Furnished with UL437 listed, level 1 security Maxi-Mogul Cylinder.
- **Screws** - Torx tamper-resistant screws (require special screwdriver)
- **Taper-resistant** - All bolts, including the auxiliary latchbolt are fully tunneled to help prevent jamming of the mechanism with foreign material.
- **Strike** - Supplied with curved-lip strike having 1-1/4" lip length, and dust box. Buffed stainless steel only.
- **Finish** - US4 (ANSI/BHMA 606), US26 (ANSI/BHMA 625), US26D (ANSI/BHMA 626), US32 (ANSI/BHMA 629), US32D (ANSI/BHMA 630).

### Optional Features

- **Strike switch** - Strike mounted indication switch for electrically monitored systems.

### Trim Designs

- **Knobs**  
Specify KR for knob and rose trim with lock.  
Material: Brass or stainless steel, detention design.  
Dimensions: 2-1/4" diameter.  
Safety knob: Specify SK knob and side installed on.
- **Roses**  
Material: Brass or stainless steel.  
Dimensions: 2-11/16" diameter, concealed trim design.
- **LeverTrak Handle Guide Sets**  
LT & LTE Handle Guide Sets should be specified for abusive environments, or high frequency doors. The track prevents damage to mortise locks from over-travel of the handle. (For complete details on the LeverTrack [click here](#))

### Cylinder Data

- **Maxi-Mogul Key Cylinders**  
D9300 Series Mortise Locks are provided with Maxi-Mogul key

Cylinders, six pin tumbler.

Keys are sold separately, and registered at the factory.

- **Cylinder collar**

An adjustable cylinder collar will be provided to suit the cylinder length and door thickness when both locks and cylinders are ordered. If not specified, rings will be for 1-3/4" thick doors.

- **Keys must be ordered separately.**

### **Trim / Cylinder Accessories**

The following trim items will be provided per the lock function specified.

- **LCK (Limited Control Key)**

Modification for Models D9336, D9365, D9366, D9367. Factory provided cylinder is modified to allow change key a limited rotation to retract the latchbolt. Master key is unlimited and will operate both latch and deadbolt.

- **Thumbturn and Escutcheon**

Furnished with Models D9304, D9313, D9317, D9320, D9321, D9364 and D9367.

Thumbturn furnished with Model D9319.

Supplied with Torx tamper-resistant No. 6 x 3/8" screws.

### **Strikes**

- D9300 Series Locks are supplied with a curved lip strike having a 1-1/4" lip length for use with doors 1-3/4" to 2" thick. Buffed stainless steel finish only.
- Strike with indication switch- For electric monitoring.
- Strike box - Wrought steel, zinc plated, reversible for installation with flat or curved-lip strike.
- Special lip lengths - Strikes are installed on the same vertical centerline as the lock. 1-1/4" lip length is standard. 1-1/2" lip length is optional for doors from 2-1/8" to 2-1/2" thick

### **Specifications**

KR-D9300 Detention Mortise Lock Sets With Knob Sets.

- A. Provide locksets, latchsets and deadbolts that conform to ANSI A156.13, Series 1000, Grade 1 operational and security tests

1. Latchbolt and auxiliary deadlatch shall be one piece investment

- cast stainless steel, size 11/16 x 1 1/4 x 3/4 inch throw, and glass bead finish for smoothness of operation.
2. Deadbolt to be investment cast stainless steel, 11/16 x 1 1/2 inch with 1 inch throw and hardened steel inserts.
  3. Lock case and cover to be extra heavy 12 gauge steel, hemmed back for double thickness in bolt areas. All functions shall utilize the same case and cover. All non-stainless steel parts shall be electro-coated for corrosion resistance.
  4. Provide a 10 gauge steel armor back plate to suit the various bolt configurations. Provide tapered wedge to set bevel to match door edge.
  5. Internal cams shall be investment cast stainless steel.
  6. Fabricate internal levers and slides from a minimum of 13 gauge .090" thick steel.
  7. Provide polished stainless steel ANSI type strike with curved lip and wrought strike box. Provide lip length to suit jamb and door conditions.
  8. Provide Torx type tamper-resistant fasteners at exposed locations.
  9. Latchbolt and auxiliary deadlatch shall operate in a tunnel. Design tunnel to prevent insertion of foreign material into the lock.
  10. Provide Maxi-Mogul cylinder - Refer to 2.10.

B. D9300 Mortise Lock Functions:

1. 9301 Passage set - latch only
2. 9304 Entrance lock - deadlocking latch
3. 9305 Class room lock - deadlocking latch
4. 9307 Storeroom lock - deadlocking latch
5. 9314 Store door lock - latch and deadbolt
6. 9316 Deadbolt only - key both sides
7. 9317 Deadbolt only - key out side, thumb turn inside
8. 9318 Deadbolt only - key out side
9. 9319 Privacy or Bath lock - latch and deadbolt
10. 9321 Room door lock - latch and deadbolt
11. 9335 Key outside or inside knob operates deadlatch - key outside or inside thumb turn operates deadbolt - outside knob inactive - deadlatch and deadbolt
12. 9336 Inmates key outside operates deadlatch - outside knob inactive - inside knob operates latch - master key operates deadlatch and deadbolt
13. 9361 Key outside operates deadbolt- knobs operate latch
14. 9362 Key outside operates deadbolt and latch - inside knob operates latch - outside knob inactive
15. 9363 Key both sides operates deadbolt and latch - inside knob

- operates latch - outside knob inactive
16. 9365 Inmate key outside and inside knob operate latch - master key operates latch and deadbolt
  17. 9366 Keyed both sides - change key operates latch - master key operates deadbolt - knobs inactive
  18. 9367 Inmate key outside operates latch - master key operates latch and deadbolt - inside thumb turn operates latch and deadbolt - knobs inactive
  19. 9371 Key outside operates deadlatch - knobs inactive
  20. 9372 Key both sides operate deadlatch - knobs inactive
  21. 9375 Key outside operates deadlatch and locks knobs
  22. 9376 Keyed both - operates deadlatch and locks knobs

C. Electric Functions:

1. D9341 Key outside operates deadlatch - inside knob inactive - outside knob controlled by fail safe solenoid
2. D9342 Key both sides operates deadlatch - both knobs controlled by fail safe solenoid
3. D9343 Key outside operates deadlatch - both knobs controlled by fail safe solenoid
4. D9344 Key both sides operates deadlatch - both knobs controlled by fail safe solenoid
5. D9345 Key outside operates deadlatch - inside knob always active - outside knob controlled by fail safe solenoid
6. D9346 Key outside operates deadlatch - inside knob inactive - outside knob controlled by solenoid operation
7. D9347 Key both sides operates deadlatch - both knobs controlled by solenoid operation
8. D9348 Key outside operates deadlatch - both knobs controlled by solenoid operation
9. D9349 Key both sides operates deadlatch - both knobs controlled by solenoid operation
10. D9350 Key outside operates deadlatch - inside knob always active - outside knob controlled by solenoid operation

D. Switch Options:

1. DIS -Deadlock indication switch, UL listed, 5 Amp - SPDT contacts.
2. KLO - Knob lockout switch, UL listed, 5 Amp - SPDT contacts.
3. S - 9300 Strike switch, UL listed, 10 Amp - SPDT contacts.

E. KR Trim:

1. Provide solid detention knob set and roses, as required by lock function. (KR)
2. Provide matching safety knob for installation on the inside of cells, dormitories and infirmaries. (x SK inside)

3. Attach detention knob set trim by bolting through the lock and door.

F. Performance:

1. For fire rated openings, locks shall comply with UL10B Fire Tests of Door Assemblies, Class A - 4 hour rating. (Some models may not qualify for fire rating due to specific functions, consult factory.)
2. Cylinder shall comply with UL437 Key Locks.
3. Design lock mechanism to operate a minimum of 1,000,000 cycles without failure.
4. Manufacturer shall permanently mark performance test samples and retain them for future reference. Instead of test samples, the manufacturer may contract with a testing laboratory to provide a certified procedure for the construction of tested assemblies with a factory follow up service.
5. Provide test reports upon request. Test reports shall include complete details of the test assemblies, details, photographs, videos, or a combination of these showing testing apparatus, installation and results.

- G. Finish: Noted finishes shall be based on ANSI A156.18 - Material and Finishes, and shall be 630 (Satin Stainless Steel).

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