

Key: Mogul
Door: Swinging
Security Level: Medium/Maximum

FOLGER ADAM ELECTRIC LOCKS

120ED DEADBOLT

Description

Series 120ED Deadbolts are pin tumbler, solenoid-operated locks for swinging doors. Specify keying as follows:

- 121 Keyed case side
- 122 Keyed cover side
- 126 Keyed both sides

Applications

Series 120ED Deadbolts are ideal for a wide range of medium or maximum security applications including cell doors, corridor doors, entryways or any opening requiring a deadbolt-type locking. These jamb-mounted locks are designed to be part of an electrical system with remote unlocking and monitoring to provide staff safety and operational flexibility.

Operation

Key Holdback (3): Units unlock by key or when the solenoid is energized by a momentary-contact switch or emergency-unlock signal (fire alarm). Once unlocked, the deadbolt is held mechanically retracted, regardless of door position, and must be relocked by key.

Testing

120ED Series Deadbolts and Maxi-Mogul® key cylinders have been tested to 1,000,000 operations.

Standards Compliance

Series 120ED locks are UL Listed as Burglary-Resistant Mechanisms. Maxi-Mogul® key cylinders meet UL437 requirements.

ASTM F-1577 Grade 1 Impact



Standard Features

- **Solenoid voltage** – 120 VAC
- **Superior durability** – Working parts of stainless steel afford greater strength and corrosion-resistance.
- **Standard lock size** – All models use the same size case, cover and mounting holes for simplified installation and frame preparation.
- **External two-piece plug connector** – All models install without cover removal. Simple plug-in connection to field wiring.
- **External mounting holes** – Easy installation eliminates the need for case and cover removal.
- **Standard lock** – Mounts behind frame and does not require a faceplate.
- **1" throw deadbolt** – Offers greater security. Each bolt is hardened to resist sawing.
- **Mechanical unlocking by key** – Specify Folger Adam Mogul cylinders, Maxi-Mogul® high security cylinders or other mogul cylinders.
- **Continuous-duty solenoid** – For instant action; positive unlocking.
- **Finish** – Zinc plated case and cover.
- **Deadlock switch** – Monitors the deadlock lever indicating a deadlocked deadbolt.



120ED DEADBOLT

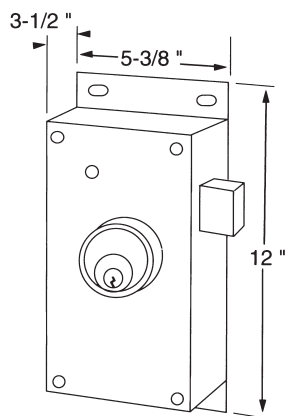
Optional Features

- **Optional solenoid voltage** – 230 VAC, 60Hz.
- **Key Cylinder Extension** – When the lock is keyed on the stop side of the jamb, an extension eliminates the need for a special, recessed frame pocket. Specify E-3 for 3", E-4 for 4" or E-5 for 5".

Dimensional Data

Note: Dimensions are for information and planning purposes only, and should not be used as templates.

For complete details, see How to Specify in this section.



Specifications

- **Case and cover** – 10 gauge steel.
- **Deadbolt** – Investment-cast stainless steel, hardened, 1" throw.
- **Deadlock lever** – Stainless steel, adjustable for door gap variations.
- **Bolt opening** – Does not allow access to mechanism.
- **Operating lever** – Stainless steel to operate with solenoid.
- **Solenoid** – 120 VAC continuous duty with stainless steel guides, 230VAC optional.
- **Springs** – Stainless steel.

Electrical Characteristics

- **Solenoid voltage standard (120 VAC)** – 13 amps inrush - .75 amps seated.
- **Solenoid voltages optional (230 VAC)** – 6.6 amps inrush - .38 amps seated.
- **Switches** – SPDT, UL Listed, 15 amps @ 125 or 250 VAC.

The chart below shows applicability of above options to all 120ED Models.

MODEL NO.	OPERATION DESCRIPTION	LATCHBACK	INDICATION SWITCH DEADLOCK
120ED-3-01	Key Holdback (3)	X	X





HOW TO SPECIFY 120 SERIES LOCKS

1 2 3 4 5 6 7 8 9
126 E - 1 - 01 x M0-US26D x LHRB x 120 VAC x LEK-2 x E3

Keying Location

1
Case Side

122
Cover Side

126
Both Sides

Basic Models Deadlatches

E
Solenoid

M
Full-Rotation Motor

MC
Two-Position Motor

Deadbolts

ED
Solenoid

RUP
Solenoid
(Roll-Up Door)

Operation Series

1
Standard

2
Knob Release

3
Holdback by Key
(one side only)

Switch Functions

01
Deadlock Indication Switch With Latchback

04
Deadlock Indication Switch No Latchback

07
Electric Holdback

Key Cylinder and Finish

Folger Adam Mogul

M
Prep. Only

M0-US26D
110 Mogul Cylinder with US26D Finish

M1-US26D
190-1 Maxi-Mogul® Key Cylinder with US26D Finish

190-A
ASSA Mogul Key Cylinder with US26D Finish

190M
Medeco Mogul Key Cylinder with US4 Finish

Available Key Cylinder Finishes:

US26D (standard)
US26D

Lock Handing* Deadlatches

LHRB
Left Hand Reverse Bevel

RHRB
Right Hand Reverse Bevel

Deadbolts

LH
Left Hand

RH
Right Hand

*For application handing see the handing chart on the following page.

Operating Voltage

Solenoid
120 VAC
230 VAC

Motor
120 VAC
24 VDC

LEK Feature

LEK-1
Case Side

LEK-2
Cover Side

LEK-6
Both Sides

Key Cylinder Extension

E3
3" Long

E4
4" Long

E5
5" Long





HOW TO SPECIFY 120 SERIES LOCKS

Specify circled swing number when ordering.

126 LOCK LOCK COVER HINGE SIDE EXTENDED MOUNTING COVER STOP SIDE KEYED BOTH SIDES POCKET COVER PLATE HINGE SIDE	DEADBOLT- LH LATCHBOLT- LHRB 25	DEADBOLT- RH LATCHBOLT- RHRB 26
126 LOCK EXTENDED MOUNTING COVER HINGE SIDE KEYED BOTH SIDES POCKET COVER PLATE STOP SIDE	DEADBOLT- LH LATCHBOLT- LHRB 41	DEADBOLT- RH LATCHBOLT- RHRB 42
122 LOCK LOCK COVER HINGE SIDE EXTENDED MOUNTING COVER STOP SIDE KEYED HINGE SIDE POCKET COVER PLATE HINGE SIDE	DEADBOLT- LH LATCHBOLT- LHRB 27	DEADBOLT- RH LATCHBOLT- RHRB 28
122 LOCK EXTENDED MOUNTING COVER HINGE SIDE KEYED HINGE SIDE POCKET COVER PLATE STOP SIDE	DEADBOLT- LH LATCHBOLT- LHRB 43	DEADBOLT- RH LATCHBOLT- RHRB 44
121 LOCK LOCK COVER HINGE SIDE EXTENDED MOUNTING COVER STOP SIDE KEYED STOP SIDE POCKET COVER PLATE HINGE SIDE	DEADBOLT- LH LATCHBOLT- LHRB 29	DEADBOLT- RH LATCHBOLT- RHRB 30
121 LOCK EXTENDED MOUNTING COVER HINGE SIDE KEYED STOP SIDE POCKET COVER PLATE STOP SIDE	DEADBOLT- LH LATCHBOLT- LHRB 45	DEADBOLT- RH LATCHBOLT- RHRB 46

LEGEND

-  = INDICATES KEYED SIDE (OR SIDES)
-  = SYMBOLIZES LOCK POCKET COVER PLATE
-  = SYMBOLIZES LATCH BOLT (DEADBOLT NOT SHOWN FOR CLARITY)
-  = SYMBOLIZES LOCK CASE
DOUBLE LINE SYMBOLIZES FRONT COVER
-  = THICK LINE SYMBOLIZES REINFORCED STEEL FOR LOCK AND POCKET COVER PLATE MOUNTING

