

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

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.

For more information, please call 210.533.1231.



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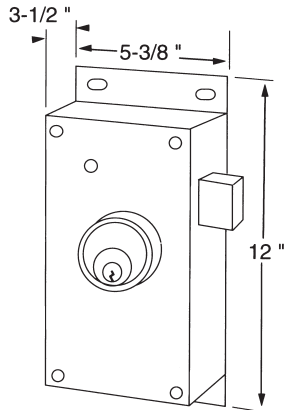
Optional Features

- **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



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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

1
Keying Location

121
Case Side

122
Cover Side

126
Both Sides

2
Basic Models Deadlatches

E
Solenoid

M
Full-Rotation Motor

MC
Two-Position Motor

Deadbolts

ED
Solenoid

RUP
Solenoid
(Roll-Up Door)

3
Operation Series

1
Standard

2
Knob Release

3
Holdback by Key
(one side only)

4
Switch Functions

01
Deadlock Indication Switch With Latchback

04
Deadlock Indication Switch No Latchback

07
Electric Holdback

5
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

6
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.

7
Operating Voltage

Solenoid
120 VAC
230 VAC

Motor
120 VAC
24 VDC

8
LEK Feature

LEK-1
Case Side

LEK-2
Cover Side

LEK-6
Both Sides

9
Key Cylinder Extension

E3
3" Long

E4
4" Long

E5
5" Long

For more information, please call 210.533.1231.










HOW TO SPECIFY 120 SERIES LOCKS

Specify circled swing number when ordering.

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

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

