**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.

**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.
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.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>OPERATION DESCRIPTION</th>
<th>LATCHBACK</th>
<th>INDICATION SWITCH DEADLOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>120ED-3-01</td>
<td>Key Holdback (3)</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

P.O. Box 2021, San Antonio, TX  78297   Ph: 210.533.1231   Fx: 210.533.2211
Web: www.SouthernFolger.com  Email: info@southernfolger.com
### How to Specify 120 Series Locks

**Keying Location**
- **121** 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)

<table>
<thead>
<tr>
<th>Keying Location</th>
<th>Operation Series</th>
<th>Switch Functions</th>
<th>Key Cylinder and Finish</th>
<th>Lock Handing*</th>
<th>Operating Voltage</th>
<th>LEK Feature</th>
<th>Key Cylinder Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>1</td>
<td>01</td>
<td>Folger Adam Mogul</td>
<td>LHRB</td>
<td>120 VAC</td>
<td>LEK-1</td>
<td>E3</td>
</tr>
<tr>
<td>122</td>
<td>2</td>
<td>02</td>
<td>Deadlock Indication</td>
<td>RHRB</td>
<td>230 VAC</td>
<td>LEK-2</td>
<td>E4</td>
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<tr>
<td>126</td>
<td>3</td>
<td>03</td>
<td>Deadlock Indication</td>
<td>RH</td>
<td>120 VAC</td>
<td>LEK-6</td>
<td>E5</td>
</tr>
</tbody>
</table>

**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
  - **190M** Medeco Mogul Key Cylinder with US4 Finish

**Lock Handing***
- **LHRB** Left Hand Reverse Bevel
- **RHRB** Right Hand Reverse Bevel
- **RH** Right Hand

**Available Key Cylinder Finishes:**
- **US26D** (standard) US26D

For more information, please call 210.533.1231.
## HOW TO SPECIFY 120 SERIES LOCKS

Specify circled swing number when ordering.

<table>
<thead>
<tr>
<th>126 LOCK</th>
<th>126 LOCK</th>
<th>122 LOCK</th>
<th>122 LOCK</th>
<th>121 LOCK</th>
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</thead>
<tbody>
<tr>
<td>LOCK COVER HINGE SIDE</td>
<td>EXTENDED MOUNTING COVER HINGE SIDE</td>
<td>KEYED BOTH SIDES</td>
<td>POCKET COVER PLATE STOP SIDE</td>
<td>KEYED BOTH SIDES</td>
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<tr>
<td>23</td>
<td>DEADBOLT - LH</td>
<td>LATCHBOLT - LH</td>
<td>RH</td>
<td>RH RHB</td>
</tr>
<tr>
<td>41</td>
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<td>LATCHBOLT - LH</td>
<td>RH</td>
<td>RH RHB</td>
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<td>LH RHB</td>
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<td>LH RHB</td>
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<td>RH RHB</td>
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<td>RH</td>
<td>RH RHB</td>
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<td>46</td>
<td>DEADBOLT - LH</td>
<td>LATCHBOLT - LH</td>
<td>RH</td>
<td>RH RHB</td>
</tr>
</tbody>
</table>

### 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