Hold Open Arm Models

8000H Non Handed Door Closer
Regular Arm
Top Jamb Mount
Parallel Arm
With or without DA suffix (delayed action)

**WARNING**
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65warnings.ca.gov.

Ce produit peut vous exposer au plomb qui, dans l’état de la Californie, est reconnu pour causer le cancer, des anomalies congénitales ou d’autres problèmes de reproduction. Pour plus d’informations, visitez:
www.P65warnings.ca.gov.

Regular Arm
- Right Hand Door - RH
- Left Hand Reverse - LHR

Top Jamb Mount
- Right Hand Door - RH
- Left Hand Reverse - LHR

Parallel Arm
- Right Hand Door - RH
- Left Hand Reverse - LHR

*Included Components
- Closer
  - DA Option
  - **Pinion Cap
  - 1/8” Hex Wrench
  - Screw Pack

- Arm Assembly
  - Dial Screw
  - Shoe
  - Hold Open Arm
  - Dial
  - Set Screw
  - Main Arm Pinion Screw

Optional Plates
- 8148 Plate

Optional Covers
- 8200P/8200PG Slim Line for 8300 Series
- 8400P/8400PG Standard, Plastic or 8400M, Metal for 8500 Series
- 8400A/8400AG Architectural, Plastic or 8400MA, Metal for 8500 Series

Legacy Friction Hold Open Arm
- Note: Legacy FHO arm has installation orientation. See 80-9300-0003-000 for details.

To Determine Your Hand of Door:
- Right Hand Reverse
- Left Hand Reverse

To Identify Your Model:
- Closer Size Blank = 8101
  - 8301
  - 8501

Tools Needed
- Tape Measure
- Punch
- Pencil
- Phillips Screwdriver
- Adjustable Wrench
- Drill
- #7 for Metal
- 1/4-20 for Wood
- 3/16" for Wood
- 9/32" for Either Nut and Bolt Option
Before You Begin

**ATTENTION:**
An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

- **“DA” suffix (Delayed Action) is an optional feature.**
- For special applications, a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.
- Doors should be hung on ball bearing or anti-friction hinges.
- A separate door stop is recommended.
- Always consult door/frame manufacturer for fastener compatibility.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°. Greater closing times may be required for elderly or handicapped.
- These door closers should NOT be installed on exposed side (weather side) of exterior doors.
- Dimensions are given in inches (millimeters).

### Mounting Hardware

<table>
<thead>
<tr>
<th>Closer, H/O Shoe or Optional PA Bracket: 1/4-14 x 1-1/2 Oval Flat Head Mach. Screw</th>
<th>Door or Frame</th>
<th>Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>3/16” (4.76mm)</td>
<td></td>
</tr>
<tr>
<td>Metal</td>
<td>Drill #7 (.201 dia. or 5.10mm) Tap 1/4-20</td>
<td></td>
</tr>
<tr>
<td>Hollow Metal</td>
<td>9/32” (7.00mm) thru 3/8” (9.50mm) door face opposite to closer</td>
<td></td>
</tr>
<tr>
<td>Aluminum or Wood</td>
<td>3/8” (9.50mm) thru</td>
<td></td>
</tr>
<tr>
<td>Closer: Thru Bolt and Grommet Nut (TBGN) (optional)</td>
<td>All</td>
<td>9/32” (7.00mm) thru 3/8” (9.50mm) dia. x 3/8” (9.500mm) deep, door face opposite to closer</td>
</tr>
</tbody>
</table>

### Closer Adjustments

Use provided hex wrench to turn valves. NEVER force valves out of closer. NEVER completely close backcheck valve.

Door must be open to adjust spring closing power. Refer to chart. **Do not use a power drill. Warranty will be void.**

#### Pinion Cap and Cover

Do not over tighten cap or cover screws. Architectural (“A”) covers cannot be used on parallel mounted closers with doors swinging over 120°.

**ATTENTION:** An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.

<table>
<thead>
<tr>
<th>Spring Closing Power</th>
<th>Number of Turns Required</th>
<th>Exterior Jamb Door</th>
<th>Exterior Door</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Arm Top Jamb</td>
<td>5</td>
<td>8</td>
<td>11</td>
</tr>
<tr>
<td>Parallel Arm</td>
<td>7</td>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>Regular Arm Top Jamb</td>
<td>7</td>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>Parallel Arm</td>
<td>9</td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>

**20 FULL (360°) TURNS MAX. AVAILABLE** 10 TURNS AS SHIPPED

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8000H Regular Arm Installation (Right Hand Shown)

1. Prepare door and frame.

2. Mount closer to door.

3a. Remove dial from Hold Open arm.

3b. Install separate arms.

4. Connect arms, preload spring and tighten set screw.

5. Set Hold Open.

You've installed the 8000H Hold Open Closer - Regular Arm.

⚠️ Go to page 2 for closer adjustments and decorative cap or cover installation.
8000H Top Jamb Mount Installation (Right Hand Shown)

1. Prepare door and frame.

2. Mount closer to frame.

3a. Remove dial from Hold Open arm.

3b. Install separate arms.

4. Connect arms, preload spring and tighten set screw.

5. Set Hold Open.

You've now installed the 8000H Hold Open Closer - Top Jamb Mount.

Go to page 2 for closer adjustments and decorative cap or cover installation.
8000H Parallel Arm Installation (Right Hand Shown)

1. Prepare door and frame.

2. Close latch and sweep valves.

3. Remove dial from Hold Open arm.

4. Install soffit plate and mount closer.

5. Install Hold Open arm to plate.

6. Place main arm on closer spindle and rotate.

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Door Opening | A (mm) | B (mm)
---|---|---
To 120° | 9-1/2 (241) | 3-3/4 (95)
*121° to 180°* | 7 (178) | 1-1/4 (32)

* Door/Wall/Hardware/Jamb conditions permitting

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IMPORTANT

Door Opening To 120° 121° to 180°

A 9-1/2 (241) 7 (178)

B 3-3/4 (95) 1-1/4 (32)

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Dial DOWN Left and Right Hand

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8000H Parallel Arm Installation (Right Hand Shown) continued

7. Remove arm and attach as shown.

8. Open latch and sweep valves.

- Do not completely open valves. Valves will leak.


- Rotating arm preloads closer spring power.

10. Set Hold Open.

- Keep door open in position until dial screw secures dial.

You've now installed the 8000H Hold Open Closer - Parallel Arm.

Go to page 2 for closer adjustments and decorative cap or cover installation.