**IMPORTANT:**

- An improperly installed or incorrectly adjusted door closer may cause property damage or personal injury; and will void product warranty.
- To avoid personal injury, **DO NOT DISASSEMBLE THIS DOOR CLOSER BODY.**
- Door closers must be securely fastened to a properly reinforced door and frame with fasteners provided.
- Door closers with the “A1” HOLD OPEN TRACK option are not permitted to be installed in fire door assemblies.

**BEFORE INSTALLING:**

- The Americans with Disabilities Act (ADA) requires that doors having door closers have an opening force not to exceed 5 lbf.
- The door closer’s power size adjustment feature may require adjustment to its lowest setting to comply with ADA opening force guidelines.
- ADA compliant closers are: DC8230 & DC8240.

---

**Size of Door & Door Closer**

<table>
<thead>
<tr>
<th>Type of Installation</th>
<th>Interior 2'6&quot; 3'0&quot; 3'6&quot; 4'0&quot;</th>
<th>Exterior In-swinging</th>
<th>Exterior Out-swinging</th>
<th>Recommended Closer Size</th>
<th><strong>Max. Opening Force lbs/ft</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PULL SIDE Mounting</strong></td>
<td>2'6&quot; 3'0&quot; 3'6&quot; 4'0&quot;</td>
<td>2'6&quot; 3'0&quot; 3'6&quot; 4'0&quot;</td>
<td>1 2 3 4 5 6</td>
<td>8 14 16 22 24 26</td>
<td></td>
</tr>
<tr>
<td><strong>PUSH SIDE Mounting</strong></td>
<td>2'6&quot; 3'0&quot; 3'6&quot; 4'0&quot;</td>
<td>2'6&quot; 3'0&quot; 3'6&quot; 4'0&quot;</td>
<td>1 2 3 4 5 6</td>
<td>8 14 16 22 24 26</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** These forces are for standard templating with bearing type hinges and do not account for pressure differentials and draft.

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**TO DETERMINE HAND OF YOUR DOOR:**

[Diagram showing RHR and LHR for left and right hand doors]
**DC8230 Pull Side Track Installation Instructions**

**A Template**

Mark Door and Jamb (for QUIK-INSTALL® bracket and track)
- Door will travel additional 5° to dead stop.
- Door hold open position adjustable from 85° to 120° of door opening.

**B Install Closer Bracket**

Mount Closer Body to QUIK-INSTALL Bracket
- Start the four mounting screws into the four closer mounting holes.
- Place the closer onto the QUIK-INSTALL bracket with the four mounting screws inserted into the four QUIK-INSTALL bracket slots.
- Tighten the four mounting screws to fasten the closer body to the QUIK-INSTALL bracket.

**C Mount Closer Body to QUIK-INSTALL Bracket**

Check hand of door, see page 1.
- Right Hand Application Shown. Left Hand Opposite.
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.
- Minimum clearance required over door: 2 (51).
- Minimum top rail: Without drop plate 3 (76), With drop plate 1-1/4 (32).

**MOUNTING SCREW SPECIFICATIONS**

| ARM AND QUIK-INSTALL BRACKET | #12-14 self-drilling screw. 1/8 (3) diameter pilot hole required for Wood Applications. | Sex nuts, furnished when ordered |

NOTES:
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.
- Minimum clearance required over door: 2 (51).
- Minimum top rail: Without drop plate 3 (76), With drop plate 1-1/4 (32).
D Attach Track to Frame
Spring buffer toward hinge edge of frame with open side facing down, fasten track assembly to frame.

E Adjust Arm to Shortest Length
Install 9/64" hex drive socket head screw from screw pack to the arm’s shortest length as shown below.

F Place Slide Arm on Pinion Shaft
Place the slide arm and two washers on the pinion shaft, indexed as shown below. Secure the arm with the arm screw and washer as indicated.

G Insert Arm Stud into Slide Block
1) Insert the arm stud into the slide block in the track assembly.
2) Secure by pushing in on the retainer clip that extends from the slide block in the track, until it is flush with the slide block.

H Adjusting Door Opening / Hold Open Angle
Open the door until the slider is against the cushioned stop or engaged in hold open (A1 Option only). Remove the 9/64" hex drive socket head screw from the arm. Open the door to the desired angle and install the hex-drive screw into the hole in the adjusting rod that is aligned with the hole in the adjusting tube.

I Adjust Closer: See Page 6.

J ENGAGE/DISENGAGE Hold Open:
(A1 Option Only)
See Page 6.
**DC8240 Push Side Track Installation Instructions**

**A Template**

**Mark Door and Stop** (for QUIK-INSTALL® bracket and track)
- Door will travel additional 5° to dead stop.
- Door hold open position adjustable from 85° to 110° of door opening.

![Door and Stop Diagram]

**DC8240 Push Side**

**Mounting Screw Specifications**

<table>
<thead>
<tr>
<th>Arm and QUIK-INSTALL Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>#12-14 self-drilling screw</td>
</tr>
<tr>
<td>Type BSD. 1/8 (3) diameter</td>
</tr>
<tr>
<td>pilot hole required for Wood</td>
</tr>
<tr>
<td>Applications.</td>
</tr>
</tbody>
</table>

| Sex nuts, furnished |
| when ordered |

**NOTES:**
- Check hand of door, see page 1.
- Right Hand Application Shown. Left Hand Opposite.
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.
- Minimum stop width: See Dimension A on the chart to the right.
- Minimum top rail: Without drop plate 5-1/2 (140), With drop plate 2-1/2 (64).

**B Mount QUIK-INSTALL Bracket**

- Start the four mounting screws into the four closer mounting holes.
- Place the closer onto the QUIK-INSTALL bracket with the four mounting screws inserted into the four QUIK-INSTALL bracket slots.
- Tighten the four mounting screws to fasten the closer body to the QUIK-INSTALL bracket.

**C Mount Closer Body to QUIK-INSTALL Bracket**

- Start the four mounting screws into the four closer mounting holes.
- Place the closer onto the QUIK-INSTALL bracket with the four mounting screws inserted into the four QUIK-INSTALL bracket slots.
- Tighten the four mounting screws to fasten the closer body to the QUIK-INSTALL bracket.

**Mount the Track Centered on the Stop**

With the following minimum distances from the door side of the stop:

<table>
<thead>
<tr>
<th><strong>A</strong> Min</th>
<th><strong>Min Stop Width</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>With Drop Plate</td>
<td>1 (25)</td>
</tr>
<tr>
<td>Without Drop Plate</td>
<td>3/4 (19)</td>
</tr>
</tbody>
</table>

**Drop Plate 754F25**

Mounting Holes

- Drill thru 9/32 (7.1)
- Enlarge to 3/8 (9.5) Dia.
- Track Side Only (4 Places)

**MOUNTING SCREW SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Arm and QUIK-INSTALL Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>#12-14 X 1-1/2 FH SELF-DRILLING (4) OR</td>
</tr>
<tr>
<td>1/4-20 X 3/4 FHMS W/ SEX NUTS (4)</td>
</tr>
</tbody>
</table>

**Drop Plate**

Mounting Holes

**NOTE:**
- Check hand of door, see page 1.
- Right Hand Application Shown. Left Hand Opposite.
- Dimensions given in inches (mm). Do Not Scale Drawing.
- Closer must be installed in a true horizontal plane to ensure proper closer performance.
- Minimum stop width: See Dimension A on the chart to the right.
- Minimum top rail: Without drop plate 5-1/2 (140), With drop plate 2-1/2 (64).
**DC8240 Push Side Track Installation Instructions**

**D** Attach Track to Frame
With spring buffer toward hinge edge of frame and open side facing down, fasten track assembly to frame.

**E** Adjust Arm to Shortest Length
Install 9/64" hex drive socket head screw from screw pack to the arm's shortest length as shown below.

**F** Place Slide Arm on Pinion Shaft
Place the slide arm and two washers on the pinion shaft, indexed as shown below. Secure the arm with the arm screw and washer as indicated.

**G** Insert Arm Stud into Slide Block
1) Insert the arm stud into the slide block in the track assembly. 2) Secure by pushing in on the retainer clip that extends from the slide block in the track, until it is flush with the slide block.

**H** Adjusting Door Opening / Hold Open Angle
Open the door until the slider is against the cushioned stop or engaged in hold open (A1 Option only). Remove the 9/64" hex drive socket head screw from the arm. Open the door to the desired angle and install the hex-drive screw into the hole in the adjusting rod that is aligned with the hole in the adjusting tube.

**I** Adjust Closer: See Page 6.

**J** ENGAGE/DISENGAGE Hold Open: (A1 Option Only)
See Page 6.
Spring Power Adjustment
Locate spring power adjuster from Illustration below
DC8200 Size 1 thru 6 Adjustment See Chart

**DC8200 SPRING POWER ADJUSTMENT CHART**
- All DC8200 closers are factory set at an approximate Size 3.
- Adjust closer as necessary for door size using this chart.
- Readjustment may be required to suit prevailing conditions.

### DC8200 SPRING POWER ADJUSTMENT CHART

<table>
<thead>
<tr>
<th>Size of Door</th>
<th>Closing Speed Valve</th>
<th>Latching Speed Valve</th>
<th>Backcheck Intensity Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Retard</td>
<td>Latch</td>
<td>Power</td>
</tr>
<tr>
<td>2' 4&quot; (712)</td>
<td>2' 6&quot; (764)</td>
<td>2' 6&quot; (764)</td>
<td>3' 0&quot; (915)</td>
</tr>
<tr>
<td>2' 6&quot; (764)</td>
<td>3' 0&quot; (915)</td>
<td>3' 6&quot; (1067)</td>
<td>3' 6&quot; (1067)</td>
</tr>
<tr>
<td>3' 0&quot; (915)</td>
<td>3' 6&quot; (1067)</td>
<td>2' 6&quot; (764)</td>
<td>2' 6&quot; (764)</td>
</tr>
<tr>
<td>3' 6&quot; (1067)</td>
<td>4' 0&quot; (1219)</td>
<td>3' 0&quot; (915)</td>
<td>3' 0&quot; (915)</td>
</tr>
</tbody>
</table>

**Backcheck Intensity Valve**
Turn valve COUNTER-CLOCKWISE to reduce backcheck or CLOCKWISE to increase backcheck. (Backcheck should be set to give a soft cushioning action, not a sudden stop.)

**Installing Cover**
- Slip cover over closer.
- Hold tightly against QUIK-INSTALL® Bracket surface.
- Secure on each side with 6-32 x 1/4" PBHMS screws.

**ENGAGE/DISENGAGE Hold Open**
(A1 Option Only)

Hold Open Models Only:
Turn Screw 1/2 Revolution to Engage / Disengage Hold Open.