UL Listed Spring Hinges, 3-1/2" x 3-1/2" with 1/4" Radius Corners
UL Listed Spring Hinges, 3-1/2" x 3-1/2" with 5/8" Radius Corners

Dimensions:
- Height: 3.5 inches
- Width: 1.75 inches
- Height of hinge: 4.0 inches
- Length of hinge: 2.75 inches
- Diameter of hinge pin: 0.62 inches
- Thickness of hinge: 0.37 inches
- Radius of corners: 0.68 inches
- Thickness of hinge flange: 0.35 inches
UL Listed Spring Hinges, 3-1/2" x 3-1/2" with Square Corners
UL Listed Spring Hinges, 4" x 4" with 1/4" Radius Corners

Dimensions:
- 0.098" width
- 0.75" height
- 1.0" thickness
- 0.97" length
- 1.48" depth
- 2.75" height
- 4.0" width
- 0.62" length
- 0.69" thickness
- 1.0" width
- 0.5" height
UL Listed Spring Hinges, 4" x 4" with 5/8" Radius Corners

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Dimensions:
- Height: 4.00" (101.60 mm)
- Width: 4.00" (101.60 mm)
- Radius at Corners: 0.625" (15.88 mm)
- Hole Diameter: 0.51" (12.95 mm)
- Hole Spacing: 1.48" (37.60 mm)
- Pin Length: 2.74" (69.65 mm)
- Pin Diameter: 0.098" (2.49 mm)

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Emtek Products, Inc.  15250 Stafford St. City of Industry, CA 91744   Tel: 800.356.2741  Fax: 800.577.5771  www.emtek.com
UL Listed Spring Hinges, 4" x 4" with Square Corners
UL Listed Spring Hinges

**CAUTION:**

(A) DO NOT EXCEED THREE (3) HOLES TENSION FOR 180° DOOR OPENING, OR FOUR (4) HOLES TENSION FOR 90° OPENING.

(B) ALWAYS ROTATE THE HEX WRENCH TO THE CLOCKWISE REGARDLESS OF RIGHT OR LEFT HAND DOOR APPLICATION.

1. HINGE INSTALLATION: INSTALL HINGE IN NORMAL MANNER WITH THE ADJUSTMENT END OF HINGE UP, AS SHOWN ABOVE.

2. ADJUSTING SPRING TORQUE:
   - (A) ADJUST TORQUE ONLY AFTER TO HINGE IN INSTALLED AND WITH DOOR CLOSED.
   - (B) ROTATE ADJUSTMENT CAPSTAN TO THE CLOCKWISE BY HEX WRENCH TO ADJUST PROPER SPRING TENSION AND INSERT TENSION PIN INTO TENSION HOLE WITH TENSIONING HEX WRENCH AS SHOWN ON FIGURE.
   - (C) REMOVE HEX WRENCH, AND TRY DOOR FOR CLOSING. TO ACHIEVE PROPER CLOSING FORCE, CHANGE ADJUSTMENT FORM ONE HOLE TO THE NEXT IN EITHER DIRECTION BY HEX WRENCH AS TENSION PIN IS REMOVED AND RESET.

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**MAXIMUM DOOR SIZE RECOMMENDED 3’-0” WIDE X 7’-0” HIGH**

<table>
<thead>
<tr>
<th>RECOMMENDED MAXIMUM DOOR WEIGHT (LBS.)</th>
<th>SPRING HINGES</th>
<th>BUTT HINGES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.5 x 3.5</strong></td>
<td>50</td>
<td>1 EACH</td>
</tr>
<tr>
<td><strong>4 x 4</strong></td>
<td>60</td>
<td>2 EACH</td>
</tr>
<tr>
<td><strong>4.5 x 4.5</strong></td>
<td>70</td>
<td>1 EACH</td>
</tr>
</tbody>
</table>

| **90**                                 | 110           | 3 EACH      |
| **150**                                |               | NONE        |

**NOTES:**

1) Wind conditions, excessive air pressure on one side of an opening, weather stripping, or other adverse job conditions may require the use of all spring hinges.

2) For maximum versatility, use all spring hinges.