Tie Angles

BROOKS has a wide variety of tie angle assemblies to meet any H-frame structure requirements. All angles are furnished standard with U-bolts, forged chain links and bonding bolts factory assembled unless noted otherwise. Steel angle conforms to ASTM A-36 specifications and is hot dipped galvanized to ASTM A-153 standards.

The following tables will assist in ordering assemblies meeting most applications. BROOKS has a wide variety of other assemblies not illustrated and welcomes the opportunity to discuss those special applications individually. Please contact BROOKS Engineering Department.

![Diagram of Tie Angles](image-url)
Tie Angle Ordering Codes

For 500 and 502 Series

Ordering Information:

- Tie Angle Series
- Angle Size (Table 1)
- Pole Spacing (Feet & Inches)
- Pole Mounting Hole Sizes (Table 2)
- Cantilever Distance, “X” (Inches)
- Bonding Bolt Location, “Y” (Inches)

Table 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Width “W”</th>
<th>Height “H”</th>
<th>Thickness “T”</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3”</td>
<td>3”</td>
<td>1/4”</td>
</tr>
<tr>
<td>B</td>
<td>3”</td>
<td>3½”</td>
<td>1/4”</td>
</tr>
<tr>
<td>C</td>
<td>3”</td>
<td>4”</td>
<td>1/4”</td>
</tr>
<tr>
<td>D</td>
<td>3”</td>
<td>5”</td>
<td>1/4”</td>
</tr>
<tr>
<td>E</td>
<td>3”</td>
<td>5”</td>
<td>5/16”</td>
</tr>
</tbody>
</table>

Additional angle sizes are available

Ordering Example: 500D156M-174-46 = Tie Angle Assembly, 3” x 5” x 1/4”, for 15’-6” C/C pole spacing, 15/16” mounting holes. U-Bolts assembled 17½” and bonding bolt assembled 4¾” from pole centerline mounting position.

Ordering Example: 500C120L-130-60 = Tie Angle Assembly, 3” x 4” x 1/4”, for 12’-0” C/C pole spacing, 13/16” mounting holes. U-bolts assembled 13” and bonding bolt assembled 6” from pole centerline mounting position.

* To order the tie angle only, without the assembled hardware, add the suffix “A” to the corresponding assembly number.

Ordering Example: 502B156M-126-56A = Tie Angle, 3” x 3½” x 1/4”, for 12’-6” C/C pole spacing, 15/16” mounting holes. U-bolt assembly holes 12½” from edge and bonding bolt assembly hole 5¾” from pole centerline mounting position. Angle only, U-bolts and bonding bolts not assembled

Table 2

<table>
<thead>
<tr>
<th>Hole Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>13/16”</td>
</tr>
<tr>
<td>M</td>
<td>15/16”</td>
</tr>
</tbody>
</table>

Pole mounting hardware is not furnished standard as part of the assembly and should be ordered separately.
500 Series Tie Angles

Length = Pole Spacing + 2X + 4"

\[ \frac{1}{2}" \times 1 \frac{3}{4}" \] Bonding Bolt Assembly
#22066

Table 1
Angle Size (W x H x T)

Table 2
Pole Mounting Hole Dia.

5/16" U-Bolt & Chain Link Assembly
#27400-B

502 Series Tie Angles

Length = Pole Spacing + 2X + 4 1/2"

\[ \frac{1}{2}" \times 1 \frac{3}{4}" \] Bonding Bolt Assembly
#22066

Table 1
Angle Size (W x H x T)

Table 2
Pole Mounting Hole Dia.

5/16" U-Bolt & Chain Link Assembly
#27400-B