BROWNING® Torque Limiters provide overload protection on light drives by supplying a controlled and adjustable slip level.

**INSTALLATION**

1. Clean shaft and Torque Limiter bore to remove any foreign matter.
   Make sure the shaft, sheave bore, keys and keyways are free of burrs, paint, etc.
   Slide Torque Limiter onto shaft. (While Torque Limiter can be mounted in either direction, mounting with collar away from machine housing permits easier adjustment.)
   Insert key and tighten setscrew “A” to the values in Table 1.

2. Remove collar, one backing plate, and one friction disc.
   Place Torque Limiter sprocket over bronze bearing. Slip friction disc and backing plate over barrel until they rest against sprocket.
   Make sure cap screws B are backed off until points are recessed in collar.
   Screw collar on barrel until it is finger-tight against backing plate.

**ADJUSTMENT**

To adjust the torque limiter to its maximum torque:

1. Back off the three cap screws “B” until the points are recessed in the threaded adjusting collar.
2. Tighten the collar by hand and then tighten the cap screws until the heads bottom against the collar.
3. The torque limiter can be adjusted to a lesser torque by loosening the cap screws and the collar, and then re-tightening the cap screws until the heads bottom against the collar. The torque may be checked in application, or by using a spring scale or other means as shown in the sketch.

**Approximate Maximum Torque Ratings in Inch-Pounds**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>With One Spring</th>
<th>With Two Springs</th>
</tr>
</thead>
<tbody>
<tr>
<td>T25L</td>
<td>800</td>
<td>1100</td>
</tr>
<tr>
<td>T35L</td>
<td>1800</td>
<td>3000</td>
</tr>
<tr>
<td>T45L</td>
<td>2800</td>
<td>4900</td>
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<tr>
<td>T55L</td>
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<td>6800</td>
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<tr>
<td>T65L</td>
<td>4800</td>
<td>8800</td>
</tr>
</tbody>
</table>

Have questions? Contact Technical Services at 1-800-626-2093.