APPLICATION
Dayton Superior T13 Coil-Anchor drill-in anchors are used for attaching braces to the floor slab.

FEATURES
■ U.S. Patent No. 5,006,023
■ Tapered threads
■ Reusable
■ Each T13 Coil-Anchor set includes one coil-anchor bolt, one cut washer and one tang

INSTALLATION
1. Drill a 3/4" diameter hole perpendicular to the floor surface with a new carbide tipped drill. Depth of the hole must be a minimum 4". Holes drilled through slabs that are 5" or greater are acceptable. Do not use core bits for T13 anchor holes. Minimum compressive strength of the concrete must be 2,500 psi prior to installation of T13 anchors. Minimum edge distance for the T13 anchor is 12".

WARNING: Do not use T13 (4-1/2") anchors in slabs less than 5" thick. The insufficient embedment depth will not allow required load capacity.

Caution must be used when drilling through slabs less than 5" thick so that there is no blowout at the bottom of the hole. Tang may not fully engage, greatly reducing SWL; or tang may not engage at all, making the hole unusable.

2. Thoroughly clean the drilled hole with compressed air.

3. Thread the tang onto the T13 bolt. Finger tight is sufficient, no more than 1-1/2 turns.

CAUTION: Do not attempt to pre-expand the tang. For proper load capacity, the tang must not be installed over 1-1/2 turns on the bolt.

WARNING: Do not attempt to use a standard coil bolt with the T13 Coil-Anchor Tang. The Coil-Bolt Anchor Bolt is a tapered bolt and is not interchangeable with standard coil bolts.

4. T13G Thread Gauge - NOTE: T13G Thread Gauges are recommended to check T13 bolt thread wear when reusing T13 Coil-Anchor Bolts.

5. Insert the T13 anchor through the foot plate of the wall brace and into the properly drilled hole. Drive the bolt down until the cut washer rests on the foot plate.

6. Tighten the T13 anchor with a 3/4" impact wrench, then use a torque wrench to insure correct tightness. Refer to the chart for proper torquing values.

WARNING: If wind loads over 35 miles per hour are experienced on the job site, all T13 anchors should be checked with a torque wrench to verify proper torque values are maintained.

7. The ultimate brace load per T13 Coil-Anchor is shown below:

<table>
<thead>
<tr>
<th>Bolt Length</th>
<th>Floor Slab Thickness</th>
<th>Average Ultimate Bracing System Load</th>
<th>Minimum Torque per Anchor</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5&quot;</td>
<td>5&quot; or Thicker</td>
<td>8,924 lbs in 2,500 psi</td>
<td>200 ft lbs</td>
</tr>
<tr>
<td>6&quot;</td>
<td>6&quot; or Thicker</td>
<td>13,404 lbs in 2,500 psi</td>
<td>200 ft lbs</td>
</tr>
</tbody>
</table>

Note:
1. Ultimate load capacity of this system is based on tension applied at 53 degree angle.

2. Temporary bracing systems are typically designed using a 1.67:1 safety factor for the brace and 2:1 safety factor for the connection anchor.

WARNING: When using T13 Coil-Anchor bolts, always clean and lubricate the bolt with T13L Set-Eez. Failure to do so will result in bolt wear, lower than expected load capacity and possible premature failure.

RELATED PRODUCTS
■ T13L Set-EEZ
# ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>49206</td>
<td>3/4&quot; NOM DIA X 4-1/2&quot; T13 COIL-ANCHOR SET</td>
<td>0.76 LB</td>
</tr>
<tr>
<td>123045</td>
<td>3/4&quot; NOM DIA X 6&quot; T13 COIL-ANCHOR SET</td>
<td>0.97 LB</td>
</tr>
<tr>
<td>125717</td>
<td>3/4&quot; NOM DIA - EXTRA TANGS</td>
<td>0.04 LB</td>
</tr>
<tr>
<td>123566</td>
<td>THREAD GAUGE</td>
<td>0.01 LB</td>
</tr>
</tbody>
</table>

# MANUFACTURER

Dayton Superior Corporation  
1125 Byers Road  
Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
Website: www.daytonsuperior.com

# WARRANTY (ACCESSORIES)

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