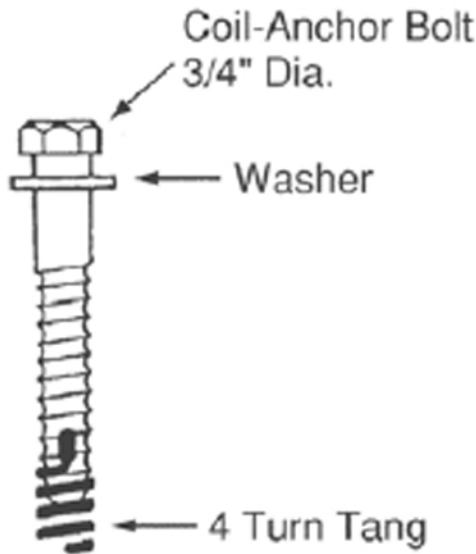


## TECHNICAL DATA SHEET

### 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:

Bolt Length -4.5"  
 Floor Slab Thickness - 5" or Thicker  
 Average Ultimate Bracing System Load is 8,924 lbs in 2,500 psi and 11,288 lbs in 4,000 psi  
 Minimum Torque per Anchor - 200 ft lbs.

Bolt Length -6"  
 Floor Slab Thickness - 6" or Thicker  
 Average Ultimate Bracing System Load is 13,404 lbs in 2,500 psi and 16,955 lbs in 4,000 psi  
 Minimum Torque per Anchor - 200 ft lbs.

Notes: 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 1.5:1 factor of safety.

**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

#### U.S. PATENT NO. 5,006,023

Product Code	Description	Weight
49206	3/4" NOM DIA X 4-1/2" T13 COIL-ANCHOR SET	0.76 LB
123045	3/4" NOM DIA X 6" T13 COIL-ANCHOR SET	0.965 LB
125717	3/4" NOM DIA - EXTRA TANGS	0.0414 LB
123566	THREAD GAUGE	0.01 LB

## TECHNICAL DATA SHEET

**MANUFACTURER**

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

**WARRANTY (ACCESSORIES)**

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton ("Ancillary Services") will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton's option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton's specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.