

## TECHNICAL DATA SHEET

### DESCRIPTION

The Accubrace® system is designed for rapid installation and the ability to immediately load the helical ground anchor for unsurpassed speed and efficiency on any tilt-up or precast project.

### Helical Ground Anchors (HGA)

- Helical Ground Anchors are engineered alternative to concrete deadman and/or floor slabs
- Accubrace by Dayton Superior installs, removes, and rents HGAs, and provides documentation for each HGA installed. A geotechnical review prior to the installation date is recommended, and included with the service
- HGA (part number=139721) to be installed in-line to the axis of the brace
- Maximum Torque – 5,000#, Accubrace crew records all HGA installs in a job log.
- Contractor is responsible for preparing the HGA layout prior to crew arrival
- Certain sites with lower strength foundation soils may require HGA Extensions (part number=139718).
- HGA Safe Working Load is 12,000 lbs. with 2:1 Safety Factor
- HGA Extension Safe Working Load is 15,000 lbs. with 2:1 Safety Factor



Helical  
Ground  
Anchor

HGA  
Extension

### Standard Transitional Brace Connector (STBC)

- Twin STBC (part number = 100221) quickly connects the braces to the HGA
- Use two 5/8" Grade 8 L Pins to connect the Twin STBC to the braces and one 3/4" Grade 8 L Pin to connect the Twin STBC to the HGA
- Alternative Method: Use two 5/8" full shoulder Grade 8 bolts with locking nuts to connect the Twin STBC to the brace and one 3/4" full shoulder Grade 5 bolt with locking nut to connect the Twin STBC to the HGA
- Twin STBC Safe Working Load is a total of 15,000 lbs. with 2:1 Safety Factor
  - Safe Working Load per side is 7,500 lbs.

**WARNING:** Welding, cutting, or any modification to the HGA, Twin STBC connector, brace, or components is strictly prohibited.



Twin Standard  
Transition Brace  
Connector

### INSTALLATION

1. REMOVE the brace shoe.
2. Use the approved Dayton Superior Twin Standard Transitional Brace Connector (STBC).
3. Attach the Twin STBC to the braces using two 5/8" Grade 8 L pins with locking cotter pins or two 5/8" Grade 8 Bolts with two locking nuts.
4. Attached Twin STBC to HGA using 3/4" Grade 8 L pin with locking cotter pin or 3/4" Grade 8 bolt with locking nut

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**CORRECT** Brace to HGA Connection**INCORRECT** Brace to HGA Connection

**WARNING:** Do NOT attach brace to Helical Ground Anchors using the brace shoe. This connection is not approved by Dayton Superior.

**INCORRECT** Brace-to-HGA Connection**MANUFACTURER**

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

**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.