Grating Field Fabrication Guide

FIBERGLASS GRATING & STAIR TREADS
## STEPS OF FABRICATION

1. **MARKING**

   The weldable 316L stainless steel saddle clips above are available for some grating series.
   *Bolts are priced separately from the saddle clips.

   **NOTE:** Recommend two hold downs at each support with a minimum of four per panel. All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.

2. **CUTTING**

3. **SEALING**

   The weldable 316L stainless steel insert clips above are available for DURAGRID® T-1800 and T-3500 only.
   *Bolts are priced separately from the hold down.

   **NOTE:** Panel Connectors are generally only used at midspan to assist in transferring load from section to section. All bolts are 1/4-20 x 1-1/4", cap head, 316L stainless steel.

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## DURADeck® / DURAGrid® INSTALLATION

### A PANEL HOLD DOWNS

- The weldable 316L stainless steel saddle clips above are available for some grating series.
  *Bolts are priced separately from the saddle clips.

### B PANEL CONNECTORS

- The 316L stainless steel saddle clips above are available as panel connectors for some grating series.

- The 316L stainless steel insert clips above are available for some grating series.

- The 316L stainless steel insert clips above are available for DURAGRID® T-1800 and T-3500 only.
  *Bolts are priced separately from the hold down.
• It may be necessary to add additional super structural supports around cleanout area to support grating bearing bar ends.
• If it is not possible to add super structural supports around cutout area, the alternate method shown at the left is recommended.
• Position hold downs on two uncut bearing bars beyond cutout area. (Distance between hold downs determines length of support bar needed.)
• Secure hold downs to support bar.

2" rectangular shaped nosing is used for all grating with depths of 1" and 1-1/2". Hold downs are not provided with stair treads. Four S.S. saddle clip hold downs are recommended per tread.

“Box” shaped nosing is used for all grating with 2" depths. Support angles not provided. Support angles and other fiberglass structures are available from Strongwell.
DURAGRATE® molded fiberglass panels are fabricated like DURADEK®/DURAGRIDE®. Use hold down clips to prevent panel drift. Hex bolt, nut, and washer are available.

**Type M Clips**
- For attaching grating to supports.

**Type J Clips**
- For attaching grating to supports for moderate loads.

**Type C Clips**
- For joining two unsupported edges if needed.

**Surface Mount Clips**
- For attaching 3/4” Mini Mesh grating to supports.

**GRATING LEGS**
Fixed and adjustable legs for molded grating are available to provide sturdy support for elevated flooring. Contact Strongwell for your exact requirements.

**Fixed Leg**

**Adjustable Leg**
- Fits all square mesh grating panels including Mini Mesh. Comprised of two compression molded parts separated by a section of FIBREBOLT® threaded rod. See the Adjustable Grating Pedestal Layout Guide for more information.

**TOOLS**
- CIRCULAR SAW
- SABRE SAW
- 3/16” ALLEN WRENCH
- 7/16” WRENCH
- SEALING KIT

NOTE: Tungsten carbide grit-edged blades are recommended for the saws (available from Strongwell).

ISO 9001 Quality Certified Manufacturing Plants