G-Clip Grating Fasteners

**MATERIAL SPECIFICATIONS**

- **Galvanized, carbon steel**
  - Fasteners body units are stamped, using 11 gauge hot-rolled, pickled and oiled, steel coils, conforming to ASTM A-366.
  - Top units are identical, except that 16 gauge coil is used, and conforms to ASTM A-569.
  - Top and body units are mechanically galvanized, after stamping, with galvanized conforming to ASTM B-695, class 50 (2 mils thick).

- **316 Stainless steel**
  - Fastener body units are stamped, using 13 gauge hot rolled and annealed stainless steel coils, conforming to ASTM A-240 and ASME SA-240.
  - Top units are identical, except that 16 gauge coil is used.
  - Threaded studs are 316 stainless steel, hex head cap screws, conforming to ANSI B-18.2.1.
  - Internal tooth lock washers are 410 stainless steel, conforming to ANSI B-27.1.

- **Aluminum**
  - Top units are identical, except that 13 gauge plate is used.
  - Threaded studs are 6061 T-6 aluminum, hex head cap screws, conforming to Federal Spec. QQA-270.

**Torque Requirements**

- G-Clips should be tightened by hand, using a 7/16" nut driver. When fully tightened by the average installer, a torque value of approximately 58 inch/pounds torque is realized, according to tests. This is sufficient to allow the clips to resist typical vibration and stress loads to which grating is often subjected.