

## Grating Fasteners

P. O. Box 610  
Harvey, LA 70059



Home of the "G-Clip" ...the best grating fastener!

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### Product Information

Model **RSCGC**- grating fasteners



G-Clip™ model **RSCGC**- is a 316-stainless steel grating fastener used to fasten close mesh bar grating to metal or other structural shapes, where the structural flange is in a horizontal plane. The narrow grip-jaw on the clip allows it to be used on gratings with as little as 3/8" opening. Our nickname for this part is "Cast Close-Grip."

**G-Clip model RSCGC**- fastener consists of **three parts**, which are assembled at our factory in Louisiana, then packed 50 units to a box. The principal part is the **grip-jaw** portion of the assembly. This grip-jaw is cast stainless steel, with toothed-shaped segments facing upward. The second part is the **stamped top**, which fits flat over the grating upper surface. The round shape allows it to be used on almost any bearing bar configuration. The body and top are joined by the third part, a **1/4"-20 threaded bolt**. This bolt varies in length to suit the application, always 1/4" shorter than the height of the grating.

### INSTALLATION PREPARATION

As with any grating fastener, care should be taken during the grating layout, cutting and placement phase, to reduce the quantity of grating cross bars that are located over the structural member flange edge. This reduces the quantity of grating cross bars that interfere with fastener placement, which otherwise requires cutting of cross bars.

### TOOLS REQUIRED

G-Clips can be installed using a hand-held 7/16" nut driver. Other hand-held tools, such as socket wrenches or torque wrenches can also be used. Using a calibrated torque wrench will ensure accurate installation torque values.

### INSTALLATION GUIDE

Hold the G-Clip round top in hand, allowing the body portion to hang downward. Fit the body between two bearing bars and lower the unit until the grip-jaw's teeth are below the grating bottom. Slide unit laterally toward, and allow it to fit under, the structural member flange. Pull upward on the top of the G-Clip, holding upward force. With the formed lower-body secure under the flange area, tighten the bolt with a 7/16" wrench, to complete the installation of the G-Clip unit. It may be necessary to hold the gripjaw with long-nose pliers to prevent the gripjaw from spinning.

We recommend 1 G-Clip per 4 square feet of grating, as a general guideline. In cases of high-vibrations or heavy loads, using 1 G-Clip for every 2.5 square feet of grating is recommended. Asking the job's grating supplier or the G-Clip stocking distributor for specific installation requirements is strongly advised.

### TORQUE MEASUREMENTS

Common hand held nut drivers have a handle diameter of 1" to 1-1/4", which will allow installation torque (resistance to further tightening) of approximately 60 inch/pounds to be easily achieved. This is sufficient for many installation requirements. Do not exceed torque values of 100 inch/pounds.

When severe vibrations are anticipated or structural movements may occur, a higher torque value can be used, thus providing greater holding force. In-house tests have shown the Model SCGC and SSGT-R top to maintain hold while tightened up to 150 inch/pounds. Installing the G-Clip with a higher value is not recommended.

### HOW TO ORDER

Determine total height of grating and thickness of flange area. Provide this information to a G-Clip distributor to ensure delivery of the correct part number for your grating installation job.

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Phone (toll-free) 1-800-227-9013 (504) 361-3471 Fax (504) 362-9059  
Internet: [www.gclips.com](http://www.gclips.com) e-mail to: [sales@gclips.com](mailto:sales@gclips.com)