When gaining access to a regular hex nut causes assembly or maintenance problems, these self-locking nut plates can be a lifesaver. The all-metal construction is rated for 450°F operation. Sizes up to 1/4-28 are designed to be riveted in place with 1/8 inch rivets. Larger sizes accept 1/8 inch rivets. We stock standard NAS1097 solid rivets that are ideal for mounting these nut plates. Note: The top of the threaded portion is deformed into an oval shape to produce a self-locking action. It can be difficult to insert the screw the first time a nut plate is used, particularly on the smaller sizes. A drop of oil on the threads prior to first use will make it easier to insert and prevent damage to the screw.

**MS21055 Corner Nut Plates**

These flat head rivets have a very small head that allows flush installation even in thin materials. Just a couple of turns with a manual deburring tool using a 100° countersink bit will create the countersink. A rivet squeezer (shown at right) can be used to set these rivets.

**MS21051 Single Lug Nut Plates**

**MS21059 Floating Nut Plates**

**MS21047 Self-Locking Nut Plates**

**NAS1097 Reduced Head Solid Rivets**

These flat head rivets have a very small head that allows flush installation even in thin materials. Just a couple of turns with a manual deburring tool using a 100° countersink bit will create the countersink. A rivet squeezer (shown at right) can be used to set these rivets.

**Tools for Setting Solid Aircraft Rivets**

**Rivet Nuts and Insert Nuts**

These plated steel inserts can be installed in any metal part over .030" thick. When properly installed and used, they provide excellent resistance to pull-out and torque-out. They protrude only .015" above the surface and can be countersunk for a completely flush installation. Note: The part being fastened must bear directly against the rim of the nutplate clearance. Set if needed for side of one flush set if needed for nutplate clearance.

**Rivet Nuts with Anti-Rotation Key**

**Light-Duty Installation Tools for Insert Nuts and Rivet Nuts**

These economical, light-duty tools are adequate for occasional use, installing just a few Insert Nuts or Rivet Nuts at a time. They are ideal for quick field repairs because they don’t take up much room in your toolbox. The special hex collar has hardened teeth to prevent rotation of the insert while it is being compressed into the work piece. Each tool will work with Insert Nuts or Rivet Nuts. Requires a 1/4" wrench to hold the collar. The 1/8-24 size also requires a 1/4" wrench to turn the center hex head bolt.