INSTRUMENT AND SHEET NUTS

NUTS FOR SHEET METAL SCREWS

These speed nuts are self-locking steel fasteners. Locking action is derived from the force exerted by the two arched prongs against the root of the screw thread and by the spring tension of the prongs and base. The combined forces of the thread lock and spring tension provide a vibration proof fastening. Speed nuts retain their spring tension and may be used repeatedly without losing their self-locking effectiveness. Suitable for numerous non-structural applications.

Finish: Phosphate-coated with three coats of olive drab paint.

Important: Speed nuts for aircraft are designed to fit standard AN530-AN531 type B sheet metal screws only. Do not use pointed type A sheet metal screws with aircraft Speed nuts. There is a difference in root diameter and thread pitch. Screw lengths: B type sheet metal screws have a blunt taper at the end. To be certain the fastener prongs grip on the full root diameter, the screw should protrude two to three threads beyond the prongs. See the illustration.

**“B”-type Sheet Metal Screw**

“Floats” free for easy hole alignment.

**“U”-type (NAS 395) CLIP NUTS**

Snaps over edge of panels or into center hole locations. Holds itself in place for blind assembly. “Floats” free for easy hole alignment.

**FLAT TYPE (NAS 446)**

Used to replace threaded nuts, lock washers, and spanner washers; weigh less than other types of self-locking aircraft fasteners. Can be applied faster, easier, and are vibration resistant. Provide maximum holding power at minimum cost per fastener. Turned-up ends prevent scoring of surfaces. Use with type B tapping screws.

**HOW TO APPLY SPEED NUT FASTENERS**

**FLAT TYPE**

Fastener is positioned over screw clearance hole with screw-engaging prongs pointing up or outward. Screw is started into nut by hand from the underside.

**“U” TYPE**

Screw can be power-driven into locked position when base arch of fastener is flat or a hand screw driver can be used. No wrench is required, finger pressure will prevent it from turning.

**ANCHOR NUTS (NAS 444)**

Riveted or welded in position. Attach access plates, doors or any part that must be fastened securely, yet easily removed with fasteners retained in a blind location. Install with AN426AD-3 rivets.

**INSTRUMENT MOUNTING NUTS**

Cage type. Permit mounting of aircraft instruments from the front of the panel. No charge in panel or instrument design required. Non-magnetic (speed nut is brass; cage is phosphor bronze). Conform to MIL-N-3336. Cage is easily compressed with finger-pressure to allow insertion of legs into clearance holes. When fully inserted and pressure is released, legs spring apart; retain SPEED NUT in screw-receiving position. Turned-down corners hold firm against force of inserting screw and screw-tightening torque. All instrument mounting nuts listed below take a 6-32 machine screw.

**LHA 4972 FLOATING CLIPNUT CADMIUM-PLATED STEEL**

Part No. Thread Price Each
4972-5-62 6-32 $2.27
4972-6-82 8-32 $1.59
04-01489 10-32 $2.25

**MONADNOCK CLIP NUTS**

High strength Forged hex nuts suitable for structural and non-structural applications in metal, plastic, and composite materials.

<table>
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<th>Size</th>
<th>Distance</th>
<th>Edge Thickness</th>
<th>Part Number</th>
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**FLOATING CLIP NUT**

4972-1032
Reach: 500°
Thread: 10-32
Edge Distance: .375
Material Thickness:.020 - .090
P/N 04-01489 ................................ $2.25

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Prices Subject to Change Without Notice