TINNERMAN FASTENERS

TINNERMAN 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 ANSI 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 root diameter, the screw should protrude two to three threads beyond the prongs. See the illustration.

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 used to replace threaded nuts, lock washers, and spanner washers; the prongs. See the illustration.

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.

LHA 4972 FLOATING CLIPNUT

Cadmium-plated steel

HOW TO APPLY SPEED NUT FASTENERS

FLAT TYPE

Push into position with thumb until extrusion on lower leg snaps into screw hole. The fastener “floats” in screw-receiving position to correct for normal misalignment in panel mounting holes.

“U” TYPE

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

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.

MONADNOCK CLIP NUTS

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

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