

FC43[®] Panel Fastener

The Next Generation, High-Strength, High-Reliability,
Structural Panel Fastener

FC43[®] Panel Fastener System



Stud Bolt

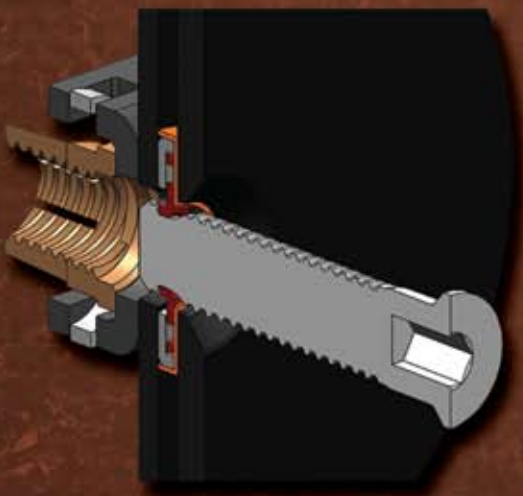


Grommet



Nutplate Assembly

Cross Section of Installed FC43[®] Panel Fastener



PRODUCT FEATURES

For today's demanding aerospace environments where a panel must be capable of carrying high loads, the FC43[®] offers improved tensile, shear, and fatigue strengths, as well as high clamp-up capability. The innovative grommet and full shank solid stud bolt design make this an easier and more reliable panel fastener to install and operate.

- Increased tensile and shear strengths due to the full shank, full cross-section stud bolt design, resulting in an opportunity for overall weight reduction.
- Positive hold-out in all positions, which is helpful when removing or reinstalling a panel.
- Stud bolt available in sizes $\frac{3}{16}$ " to $\frac{3}{8}$ ", with single or multiple lead thread, and with various head recesses including hex, Torx[®], TorxPlus[®], and Spline-Lok[®].
- Choice of metallic or composite nutplate cage, which can be conventionally-riveted or bonded. For high reusability requirements, a Flat Beam[™] locknut is recommended.
- Reduced risk of Foreign Object Debris (FOD). Since the retaining ring is captivated within the grommet, it greatly reduces the chance of breaking loose and interfering with aircraft systems.
- Ease and simplicity of installation. The grommet can be flared using either a power or a hand tool. The stud bolt is then pressed through the flared grommet to complete the assembly.

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