

# FC43<sup>®</sup> Panel Fastener

The next generation, high-strength,  
high-reliability, structural panel fastener

## FC43<sup>®</sup> Panel Fastener System



Stud Bolt

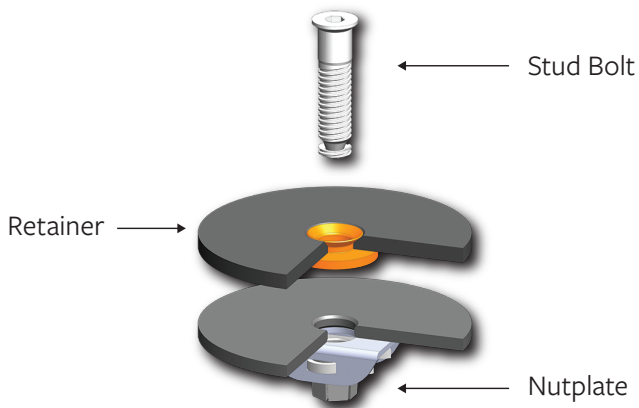


Retainer



Nutplate Assembly

## FC43<sup>®</sup> Panel Fastener Assembly Configuration



## Product Features

For today's demanding aerospace environments where a panel must be capable of carrying high loads, the FC43<sup>®</sup> panel fastener offers improved tensile, shear, and fatigue strengths, as well as high clamp-up capability. The innovative retainer 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 3/16" to 3/8", with single or multiple lead thread, and with various head recesses including hex, TORX<sup>®</sup>, TORX PLUS<sup>®</sup>, and Spline-Lok<sup>®</sup>.
- Choice of metallic or composite nutplate cage, which can be conventionally-riveted or bonded. For high reusability requirements, a FlatBeam<sup>™</sup> locknut is recommended.
- Reduced risk of Foreign Object Debris (FOD). Since the retaining ring is captivated within the retainer assembly, it greatly reduces the chance of breaking loose and interfering with aircraft systems.
- Ease and simplicity of installation. The retainer can be flared using either a power or a hand tool. The stud bolt is then pressed through the flared retainer to complete the assembly.

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