

VESPID PANEL FASTENER



reusable blind panel fastener

[patent pending]



strong and adaptable

Our reusable Vespид Panel Fastener is designed for blind fastening applications in aircraft interiors. Ideal for attaching honeycomb panel floors, this next-generation design utilizes an expanding ring made of a proprietary super-elastic shape memory alloy.

This alloy can be fine-tuned for the precise combination of elasticity and strength necessary for a variety of applications. Define your application and we will work with the alloy provider to tune the metallurgy to the application.

blind install & removal

Sky Climber Fasteners' Vespид Panel Fastener installs — and uninstalls — with access to only one side of the panel. It replaces rivets and rivetless nut plates in aircraft applications.

The Vespид accommodates a range of material depths, is FOD-free, and tolerates angular misalignment better than any alternatives currently in the market. Upgrade to the Vespид Panel Fastener today.

Tolerates angular misalignment better than other panel fasteners

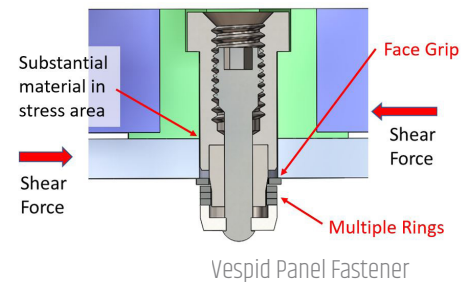
Better panel gripping with no FOD



Reusable and adaptable design suits a multitude of aircraft installations

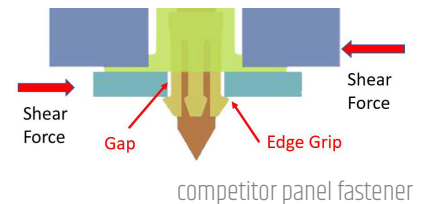
comparison

Other panel fasteners create gaps between the structure and gripping collet. This creates high multi-directional load conditions on the brittle spring tempered collet and potential FOD.



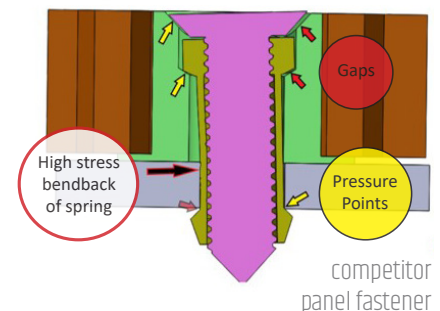
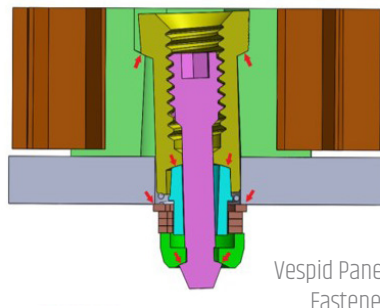
Vespид Panel Fasteners have minimal gaps and substantial material in the shear stress area. Competitor fasteners grip edges of the hole whereas Vespид grips on the entire face. This reduces stress and eliminates deformation on the hole.

Plus, adding multiple retaining rings to the Vespид adds toughness and strength given applied tension of the screw.



angular misalignment tolerance

Unlike other fasteners, the Vespид Panel Fastener can conform to severe misalignment conditions. This design includes spherical bearing surfaces that allow component pivoting to keep load distribution even on critical surfaces.



Call today: **740.816.9830**

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engineering EXCELLENCE

At Sky Climber Fasteners, we believe excellence is a never-ending pursuit driven by a culture of continuous improvement.

Our next generation of fasteners is designed to exceed the rigorous demands of mission- and safety-critical applications. As a result, these advanced products are perfectly suited for any high-performance application where weight, strength, durability and quality must be tightly controlled.

Innovative design-to-solution provider

Fastener experts with 75+ years of experience

Responsive, cost-effective and on-time

We provide custom and unique products individually designed to meet the specific needs of our customers. We are driven to lead and ensure that our products are engineered in excellence while designing products that solve our customers' fastener issues. Products include:

TITAN Barrel Nuts

RHINO Aluminum and Hybrid Locknuts

MACHUS Steel locknuts

MANTIS Precision Torque Locknut

LockOne Bullet Locknut

A Variety of New, Custom Fastening Solutions and Systems

With 20+ patents filed in the last two years alone, Sky Climber Fasteners is pushing the boundaries of the fasteners industry. These products will improve installation times and increase safety factors on your aerospace, commercial and automotive projects.

As part of the Sky Climber family of companies, Sky Climber Fasteners delivers the same level of quality services that the world has come to expect from companies bearing the Sky Climber name. AS9100 Revision D, EN 9100:2009, JISQ 9100:2009 and ISO 9001:2008 registered.

lighter



stronger



next generation



aerospace | motorsport | commercial | automotive

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