



## HeliCoil®

### Titanium Inserts

Decrease material weight for greater efficiencies

Titanium inserts offer the lightweight, high strength properties needed in today's aerospace applications.

Due to their low coefficient of thermal expansion and increased material stability, Titanium inserts can be utilized in satellites and any other application where inserts must withstand temperatures from subzero to 600° Fahrenheit.

As with Heli-Coil® standard stainless steel inserts, Titanium inserts provide stronger assemblies, eliminate stress in the parent material, reduce thread wear and are corrosion resistant

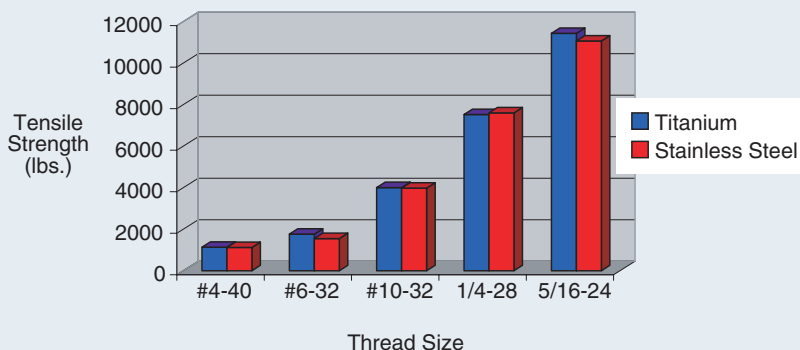
### FEATURES & BENEFITS:

- Significant weight reduction without compromising assembly strength
- Ideal for corrosive environments
- Low coefficient of thermal expansion

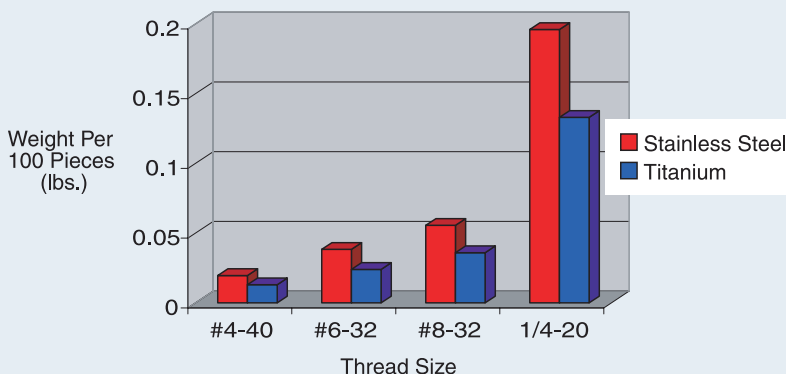


Gall Resistant inserts are ideal for use in satellites, electronics, clean room and vacuum applications.

## Assembly Tensile Strength Comparison



## Weight of Stainless Steel VS Titanium



As shown in the chart above, Titanium inserts weigh significantly less than 300 series stainless steel. Weight reduction is a significant concern in Aerospace applications, where fuel consumption and efficiencies are a priority.

Titanium inserts can also be utilized in applications such as gyros, compasses, radar systems, environmental controls and medical systems. Heli-Coil® Titanium inserts are available in both free-running and screw-lock designs.

