

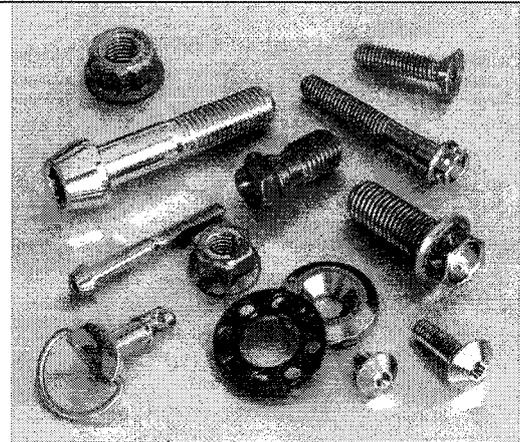
Our products

- > 6AL-4V Titanium
- > 316 Stainless Steel
- > 7075T6 Aluminium

TITANIUM

- Density: 4420 kg/m³ (278lb/ft³)
- Young's Modulus:
110GPa (16 x 10³psi)
- Yield Strength:
828 MPa (120 x 10³psi)
- Ultimate Tensile Strength:
1030MPa (149 x 10³psi)
- Compressive Strength:
960MPa (139 x 10³psi)
- Shear Modulus: 43GPa (6.24 x 10³psi)
- Ductility: 10% elongation at break
- Poisson's Ratio: 0.34
- Hardness: 36 Rockwell C
- Strength-to-Weight Ratio: 187kNm/kg
- Stiffness-to-Weight Ratio: 24.9MNm/kg

Made from aircraft grade titanium 6AL-4V (grade 5), the outstanding benefits are that we roll the threads to produce greater fatigue strength and reduce galling. These bolts are in excess of 120,000psi ultimate tensile strength, suitable to replace both Grade 5 and Grade 8 steel bolts. We offer Race Spec drilled Flanged Hex Head Bolts, Flanged Hex Head, Tapered Socket Cap, Countersunk Bolts, Dome Head Bolts, Nuts and Washers – from 3mm to 12mm.



ALUMINIUM