

Material Name: **Titanium Grade 5** / UNS R56400 / 3.7165

Applicable Standards: ASTM B265 / ASTM B348 / ASTM F136 / AMS 4928 / AMS 4911

General Description

Titanium Grade 5 (Ti-6Al-4V) is the most widely used titanium alloy, known for its high strength, low weight, and excellent corrosion resistance. It is suitable for demanding applications requiring high mechanical performance and long-term reliability.

Chemical Composition (Typical, %)

C	O	N	H	Fe	Al	V	Ti
≤ 0.08	≤ 0.20	≤ 0.05	≤ 0.015	≤ 0.40	5.50-6.75	3.50-4.50	Balance

Mechanical Properties (Typical, Annealed)

Tensile Strength	Yield Strength (0.2%)	Elongation
≥ 895 MPa	≥ 828 MPa	≥ 10%

Available Product Forms

- Sheets
- Bars & Wires
- Forgings
- Rings
- Fasteners