

**Specifications:**

AMS 4957, AMS 4958  
 ASME SB-348  
 MIL-T-9046, MIL-T-9047  
 UNSR58640  
 Ti-38-6-44

**Properties:**

**Tensile Strength:** 128,000 psi minimum  
**Yield Strength:** 120,000 psi minimum  
**Elongation:** 7%

**Description:**

Beta C is titanium grade 19 is a high strength heat treatable titanium. Beta C has a very good resistance to stress and corrosion. Titanium Beta C is a beta titanium alloy to the composition of 6Al-8V-6Cr-4Mo-4Zr. Beta C is ideal for niche applications such as aircraft landing gear and automotive fasteners, and other critical components requiring superior strength and excellent corrosion resistance.

Available in multiple sizes and diameters in wire, coil, strip, foil, ribbon.

**Chemical Composition (Wt%):**

Ti	Al	V	Mo	Fe	O	C	N	H	Cr	Zr
BAL	3.0-4.0	7.5-8.5	3.5-4.5	0.3	0.12	0.05	0.03	0.02	5.5-6.5	3.5-4.5

Note: Single values are maximum unless otherwise noted.

Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.

**CAUTION:** Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126; OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.