

Specifications:

AWS A5.16 ERTi-3
AMS 4951

Properties:

Tensile Strength: 65,000 psi
Yield Strength: 55,000 psi
Elongation: 18%

Description:

ERTi-3, Titanium Grade 3 welding alloy in welding wire, rod, and electrode form; available in sizes 0.005" to bar. ER-Ti-3 is a commercially pure, CP, titanium that is higher strength. Due to its higher strength, it is best when used in instances where higher strength reduces metal thickness is needed. Titanium Grade 3 is ideal for applications in the aerospace, chemical processing, medical, and marine industries where moderate strength and major corrosion resistance are needed.

Available in multiple sizes and diameters

Chemical Composition (Wt%)

Fe	O	C	N	H	Ti
0.16	0.13-0.20	0.03	0.02	0.008	BAL

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.