

**Specifications:**

AWS A5.4  
AWS Class E307-16  
ASME SFA 5.4  
UNS W30710

**Properties:**

**Tensile Strength:** 87,200 psi  
**Elongation:** 42%

**Description:**

WT 307-16 is a rutile basic stainless steel electrode, available in -15, -16, -17 coating. WT 307-16 is widely used in welding armor steel and hard-to-weld steel. This alloy is often used to weld other steels of high manganese content. Also, when welding dissimilar steels, WT 307-16 has a higher resistance to cracking.

Available in multiple sizes and diameters in spool and wire rods.

**Chemical Composition (Wt%)**

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
1.0	3.3-4.75	0.75	0.5-1.5	0.03	9.0-10.7	18.0-21.5	0.04	0.04-0.14

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.