

Specifications:

AWS A5.4
AWS Class E630-16
ASME SFA 5.4
UNS W37410

Properties:

Tensile Strength: 135,000 psi min.
Elongation: 7% min.

Description:

WT 630-16 is a precipitation hardening stainless steel that is often used to weld materials of similar composition, such as 17-4 and 17-7. The mechanical properties of WT 630-16 are influenced by the heat treatment. This electrode is modified to stop the formation of ferrite networks in the martensite microstructure. WT 630-16 can be used in the welded condition or can be heat treated to obtain higher strength.

Available in multiple sizes and diameters.

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C	Nb+Ta
0.75	0.25-0.75	3.25-4.0	0.75	0.03	4.5-5.0	16.0-16.75	0.04	0.05	0.15-0.30

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.