

Specifications:

AWS A5.9
 AWS Class ER 16-8-2
 ASME SFA 5.9
 UNS S16880

Properties:

Tensile Strength: 90,000 psi
Yield Strength: 61,000 psi
Elongation: 37-40%

Description:

WT 16-8-2 is a stainless steel that can be used to weld other stainless steels of similar composition for high pressure, high temperature piping systems. WT 16-8-2 provides a better freedom from weld cracking due to its good hot-ductility properties. This alloy has a low ferrite weld deposit. WT 16-8-2 is best used in the welding of steam piping, furnace parts, as well as in petrochemical, power generation, and chemical processing industries.

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

Chemical Composition (Wt%):

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
0.30-0.65	1.0-2.0	0.75	1.0-2.0	0.03	7.5-9.5	14.5-16.5	0.03	0.10

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.