

**Specifications:**

AWS A5.18  
ASME SFA 5.18  
AWS ER70S-4  
MIL 70S-4, MIL-E-23765/1

**Properties (typical):**

**Tensile Strength:** 80, 500 psi  
**Yield Strength:** 66,000 psi  
**Elongation:** 27%

**Description:**

WT 70S-4 has a greater weld strength and good quality weld deposits in semi-killed and rimmed steels due to its higher content of silicon and manganese. It supports short-circuiting, globular, pulsed and axial spray transfer. WT 70S-4 has good fluidity and wettability and is typically used in applications of piping, bridges, pressure vessels, machinery fabrication.

Available in multiple sizes and diameters.

**Chemical Composition (Wt%) Typical:**

Si	Mn	S	P	C	Cu
0.82	1.48	0.019	0.01	0.083	0.16

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.