

Specifications:

AWS A5.18
ASME SFA 5.18
AWS ER70S-6
UNS K11140

Properties:

Tensile Strength: 70, 000 psi min.
Yield Strength: 58,000 psi min
Elongation: 22% min.

Description:

WT 70S-6 is a mild steel wire that was made to give high quality welds from heavy duty, high speed spray transfer applications to light duty, low speed applications. It can be used in both single and multipass welding. This electrode allows for higher current with shielding gases of CO₂ or a mixture of Ar and O₂ or Ar and CO₂. WT 70S-6 welds a stable arc with low spatter giving a weld bead that ties evenly with the sides allowing for a smooth appearance. Typical applications include frame fabrication, pipe fabrication, construction, pressure vessels, and in high-speed robotic and automatic welding applications.

Available in multiple sizes and diameters.

Chemical Composition (Wt%) Typical:

Si	Mn	S	P	C	Cu	Cr	Mo	Ni	V
0.80-1.15	0.40-1.85	0.035	0.025	0.06-0.15	0.5	0.15	0.15	0.15	0.03

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.