

Alloy 718 DATA SHEET

AWS Class A5.14

AWS ERNiFeCr-2, ASME SFA-5.14

UNS N07718

AMS 5832

DEPOSIT COMPOSITION

Ni	Fe	Cu	Mn	Si	S	C	Cr	Mo
50.00-55.00	Balance	0.30 max	0.35 max	0.35 max	0.015 max	0.08 max	17.00-21.00	2.80-3.30
P	Al	Ti	Nb / Ta	B				
0.015 max	0.20-0.80	0.65-1.15	4.75-5.50	0.006 max				

Alloy 718 is an age hardenable alloy with excellent strength at high temperatures. Used extensively in gas turbines and the oil and gas industry.

Diameters

0.030"	0.035"	0.045"
3/32"	1/16"	1/8"
5/32"	3/16"	

Available in TiG cut length, MiG spools, and coil forms

Maximum Tensile Strength: 165,000 psi

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 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210. SDS' may be obtained at the website below.