

Nickel Alloy Wire

Alloy: WWHASW
Class: ERNiMo-3

Conforms to Certification: AWS A5.14
ASME SFA A5.14

Alloy: ERNiMo-3 (Alloy HASW)
Weld Process: GMAW, GTAW Welding Processes

AWS Chemical Composition Requirements

C = 0.12 max	Cu = 0.50 max
Mn = 1.0 max	Ni = Remainder
Fe = 4.0 – 7.0	Co = 2.5 max
P = 0.04 max	Cr = 4.0 – 6.0
S = 0.03 max	Mo = 23.0 – 26.0
Si = 1.0 max	V = 0.60 max
W = 1.0 max	Other = 0.50 max

Deposited All Weld Metal Properties % (AW)

Tensile Strength	109,500psi
Elongation	42%

Deposited Chemical Composition % (Typical)

C = 0.05	Cr = 5.0	Ni = 62.5
Mo = 24.0	Fe = 6.0	

Deposited Charpy-V-Notch Impact Properties %

Not applicable

Application

ERNiMo-3 is a 62.5 Ni, 24 Mo, 6 Fe, 5 Cr alloy that is excellent for welding dissimilar high temperature alloys. Major use is in aircraft engine repair and maintenance.

