

Wire and Welding products

HAYNES
Wire Company



HAYNES® 617 RTW®

Product Description:

HAYNES® 617 RTW® is used for the gas metal arc and gas tungsten arc welding of HAYNES® 617 alloy. The alloy has high temperature strength, good oxidation resistance and is used in many high temperature applications. The RTW® finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AWS A5.14 ERNiCrCoMo-1
ASME-SFA-5.14 ERNiCrCoMo-1
AMS 5887

UNS N06617
ASME IX F-43
ASTM-B-166

Weld Deposit Chemistry:

Ni.....Balance
Cr.....20.0 - 24.0
Co.....10.0 - 15.0
Mo.....8.0-10.0
Fe.....3.0 max.
Al.....0.8 - 1.5
Mn.....1.0 max.

Si.....1.0 max.
Ti.....0.60 max.
Cu.....0.50 max.
Other.....0.50 max.
C.....0.05 - 0.15
P.....0.03 max.
S.....0.015 max.

Minimum Mechanical Properties:

Tensile (psi) 90,000
Mpa 620
Elongation (%) 25

Available Product Forms:

Diameter in	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	0.125
Diameter mm	0.8	0.9	1.0	1.1	1.2	1.6	2.0	2.4	3.2

Filler metals are available in spools and in cut lengths from the above diameters.
Straight lengths are available in 36" lengths.

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HAYNES® 617 Reduced Tip Wear (RTW®)