

Wire and Welding products

HAYNES
Wire Company



HAYNES® 82 RTW®

Product Description:

HAYNES® 82 RTW® wire is used for gas metal arc, gas tungsten arc and submerged arc welding of alloy 600, 601, 800 and 825. The alloy can also be used in dissimilar welding applications with carbon and stainless steels, HAYNES® and HASTELLOY® alloys and also nickel-copper alloys. The weld metal has good corrosion and oxidation resistance. The RTW® finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AWS A5.14 ERNiCr-3
ASME-SFA-5.14 ERNiCr-3
AMS 5836

UNS N06082
ASME IX F-43

AWS Weld Deposit Chemistry:

Ni.....	67.0 min.	Cu.....	0.50 max.
Cr.....	18.0 - 22.0	Other.....	0.50 max.
Mn.....	2.5 - 3.5	C.....	0.10 max.
Fe.....	3.0 max.	P.....	0.03 max.
Nb.....	2.0 - 3.0	S.....	0.03 max.
Ta.....	0.3 max.	Co.....	0.12 max.*
Ti.....	0.75 max.		
Si.....	0.50 max.		

*When specified by the customer

Minimum Mechanical Properties:

Tensile (psi)	80,000
Mpa	552
Elongation (%)	30

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® 82 Reduced Tip Wear (RTW®)