

Wire and Welding products

HAYNES
Wire Company



HAYNES[®] HR-160[®] RTW[™] Filler Metal

Product Description:

HAYNES[®] HR-160[®] RTW[™] filler metal is used for the gas metal arc and gas tungsten arc welding of HAYNES HR-160[®] alloy. The alloy has outstanding resistance to high temperature corrosion, including sulfidation and chloride attack in reducing and oxidizing atmospheres. The alloy also is a great candidate for thermal spray applications where resistance to high temperature abrasion and corrosion are required. The RTW[™] filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AWS A5.14 ERNiCoCrSi-1

Weld Deposit Chemistry:

Ni.....	Remainder	W.....	0.50 max.
Co.....	27.0 - 32.0	Other.....	0.30 max.
Cr.....	26.0 - 29.0	Al.....	0.40 max.
Fe.....	3.5 max.	Nb+Ta.....	0.15max.
Si.....	2.4 - 3.0	C.....	0.02 - 0.10
Mn.....	1.0 max.	S.....	0.02 max.
Mo.....	0.70 max.	P.....	0.03 max.
Ti.....	0.20 - 0.60		
Cu.....	0.50 max.		

Minimum Mechanical Properties:

Tensile (psi)	90,000
Mpa	620
Elongation (%)	60

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.

HW-7028B

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