

# 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:

<b>Diameter in</b>	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	0.125
<b>Diameter mm</b>	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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