

Wire and Welding products

HAYNES
Wire Company



HAYNES® 72 RTW®

Product Description:

HAYNES® 72 RTW® is used for the cladding and overlay of carbon and stainless steels where a nickel-chromium corrosion resistant surface is needed. The alloy can also be used in thermal spray 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 ERNiCr-4
ASME-SFA-5.14 ERNiCr-4

UNS N06072
ASME IX F-43

Weld Deposit Chemistry:

Ni.....	Balance	Si.....	0.20 max.
Cr.....	42.0 - 46.0	C.....	0.01 - 0.10
Ti.....	0.3 - 1.0	P.....	0.02 max.
Fe.....	0.50 max.	C.....	0.05 - 0.15
Cu.....	0.50 max.	S.....	0.015 max.
Other.....	0.50 max.		
Mn.....	0.20 max.		

Minimum Mechanical Properties:

Tensile (psi)	106,000
Mpa	731
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® 72 Reduced Tip Wear (RTW®)