

Wire and Welding products

HAYNES
Wire Company



HAYNES® 25 RTW™ Filler Metal

Product Description:

HAYNES® 25 RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of HAYNES® 25 alloy. The deposited weld metal has excellent strength, good oxidation resistance to 1800°F (980°C), very good sulfidation resistance, and relatively good resistance to wear and galling. The RTW™ finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AMS 5796
UNS R30605

Weld Deposit Chemistry:

Co.....	Remainder	Mn.....	1.0 - 2.0
Cr.....	19.0 - 21.0	Si.....	1.0 max.
W.....	14.0 - 16.0	C.....	0.05 - 0.15
Ni.....	9.0 - 11.0	P.....	0.04 max.
Fe.....	3.0 max.	S.....	0.03 max.

Minimum Mechanical Properties:

Tensile (psi)	140,000
Mpa	965
Elongation (%)	40

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-7001B

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158 N. Egerton Road P.O. Box 677 Mountain Home, North Carolina USA 28758-0677
Telephone: 828-692-5791 800-438-7263 FAX: 828-697-9818 haynesintl.com

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