

HAYNES[®] Waspaloy RTW[™] Filler Metal

Product Description:

HAYNES[®] Waspaloy RTW[™] filler metal is used for the gas tungsten arc and gas metal arc welding of Waspaloy alloy. The deposited weld metal has excellent strength in the 1000°F-1800°F temperature range. The alloy is most commonly used for critical gas alloy turbine engine components. The RTW[™] filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AMS 5828 UNS N07001

Composition:

Nickel:	Remainder	Carbon:	0.02-0.10	Sulfur:	0.010 max.
Chromium:	18.00-21.00	Copper:	0.10 max.		
Cobalt:	12.00-15.00	Manganese:	0.10 max.		
Molybdenum:	3.50-5.00	Silicon:	0.10 max.		
Titanium:	2.75-3.50	Zirconium:	0.04 max.		
Iron:	2.00 max.	Boron:	0.003-0.010		
Aluminum:	1.20-1.60	Phosphorus:	0.0010 max.		

Minimal Mechanical Properties:

Tensile (psi)	-
Mpa	-
Elongation (%)	-

Available Product Forms and Sizes:

Diameter in	0.030	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	*0.125	*0.156x	0.187x
Diameter mm	0.76	0.80	0.89	1.00	1.10	1.20	1.60	2.00	2.40	*3.20	*4.00x	*4.70x

Filler metals are available in MIG spools, TIG cut lengths, reels, and coils from the above diameters.

*Size not available in MIG spools.

• Size not available on reels.

Standard TIG straight lengths are available in 36" (914mm) lengths. *Other lengths available upon request.*