

HAYNES® 617 RTW™ Filler Metal

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Product Description:

HAYNES® 617 RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of HAYNES® 617 alloy. The alloy has high-temperature strength, good oxidation resistance and is used in many high-temperature applications. 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 ERNiCrCoMo-1 UNS N06617
ASME-SFA-5.14 ERNiCrCoMo-1 ASME IX F-43
AMS 5887 ASTM-B-166

Composition:

Nickel:	Balance
Chromium:	20.0-24.0
Cobalt:	10.0-15.0
Molybdenum:	8.0-10.0
Iron:	3.0 max.
Aluminum:	0.8-1.5
Manganese:	1.0 max.

Silicon:	1.0 max.
Titanium:	0.60 max.
Copper:	0.50 max.
Other:	0.50 max.
Carbon:	0.05-0.15
Phosphorus:	0.03 max.
Sulfur:	0.015 max.

Minimal Mechanical Properties:

Tensile (psi)	90,000
Mpa	620
Elongation (%)	25

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.*