

HAYNES® 214® RTW™ Filler Metal (Structural)

Product Description:

HAYNES® 214® RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of HAYNES® 214® alloy. The deposited weld metal has outstanding oxidation resistance to 2300°F and excellent resistance to carburization and excellent resistance to chlorine-bearing environments. The alloy is used in demanding industrial heating applications and specialized gas turbine parts, such as honeycomb seals. The RTW™ finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

HAYNES PS-6076-2 UNS N07214

Composition:

Nickel:	Balance	Titanium:	0.50 max.	Phosphorus:	0.015 max.
Chromium:	15.00-17.00	Tungsten:	0.50 max.	Sulfur:	0.015 max.
Aluminum:	4.10-5.00	Silicon:	0.20 max.	Magnesium:	0.010 max.
Iron:	2.00-4.00	Niobium:	0.15 max.	Boron	0.004 max.
Cobalt:	2.00 max.	Carbon:	0.05 max.		
Manganese:	0.50 max.	Yttrium:	0.003-0.04		
Molybdenum:	0.50 max.	Zirconium:	0.02 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.

ËÿSize not available on reels.

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

[Print Page](#)

[Download Page](#)