

HASTELLOY® G-30® RTW™ Filler Metal

Product Description:

HASTELLOY® G-30® RTW™ filler metal is used for the gas metal, gas tungsten arc, and submerged welding of G-30® alloy. G-30® alloy is also used for welding 6-7 molybdenum-bearing stainless steels and duplex grades including 2507. The alloy has many applications in phosphoric and nitric acid production, as well as, pulp and paper fabrications. G-30® alloy is considered an overmatching filler metal for the 6-7 molybdenum bearing stainless grades and also the duplex grades including 2507.

Specifications:

AWS A5.14 ERNiCrMo-11 UNS N06030

ASME SFA-5.14 ERNiCrMo-11

Composition:

Nickel:	Balance	Manganese:	1.50 max.
Chromium:	28.0-31.5	Silicon:	0.80 max.
Iron:	13.0-17.0	Other:	0.50 max.
Molybdenum:	4.0-6.0	Phosphorus:	0.04 max.
Cobalt:	5.0 max.	Carbon:	0.03 max.
Tungsten:	1.5-4.0	Sulfur:	0.02 max.
Copper:	1.0-2.4		

Minimal Mechanical Properties:

Tensile (psi)	85,000
Mpa	590
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.*

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