

# 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:

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

## Minimal Mechanical Properties:

<b>Tensile (psi)</b>	85,000
<b>Mpa</b>	590
<b>Elongation (%)</b>	25

## Available Product Forms and Sizes:

<b>Diameter in</b>	0.030	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	*0.125	*0.156x	0.187x
<b>Diameter mm</b>	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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