

# HASTELLOY® C-276 RTW™ Filler Metal

## Product Description:

HASTELLOY® C-276 RTW™ filler metal is used for the gas metal, gas tungsten arc, and submerged welding of C-276 alloy. HASTELLOY® C-276 is also a good candidate for overlay and cladding of steels when enhanced corrosion resistance is required. Dissimilar welding applications include other nickel-chromium-molybdenum alloys and stainless steels. 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 ERNiCrMo-4                      UNS N10276  
ASME-SFA-5.14 ERNiCrMo-4              ASME IX F-43  
Kennblatt 0320.04(C/L)\*

\*Specify at time of order

## Composition:

<b>Nickel:</b>	Balance	<b>Copper:</b>	0.50 max.
<b>Chromium:</b>	14.5-16.5	<b>Other:</b>	0.50 max.
<b>Molybdenum:</b>	15.0-17.0	<b>Vanadium:</b>	0.35 max.
<b>Iron:</b>	4.0-7.0	<b>Carbon:</b>	0.02 max.
<b>Tungsten:</b>	3.0-4.5	<b>Sulfur:</b>	0.03 max.
<b>Cobalt:</b>	2.5 max.	<b>Phosphorus:</b>	0.04 max.
<b>Manganese:</b>	1.0 max.	<b>Silicon:</b>	0.08 max.

## Minimal Mechanical Properties:

<b>Tensile (psi)</b>	100,000
<b>Mpa</b>	690
<b>Elongation (%)</b>	30

## 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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