

# HASTELLOY® C-2000® RTW™ Filler Metal

## Product Description:

HASTELLOY® C-2000® RTW™ filler metal is used for the gas metal, gas tungsten arc, and submerged welding of C-2000® alloy. The deposited weld metal has excellent resistance to uniform corrosion conditions in a variety of media including oxidizing and reducing environments. The alloy makes a great candidate for dissimilar joining of other nickel-chromium-molybdenum alloys and also molybdenum containing 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-17      UNS N06200  
ASME Code Case 2337      ASME IX F-43  
Kennblatt 9678.02(C/L)\*      Kennblatt 9679.02(Spools)\*

\*Specify at time of order

## Composition:

<b>Nickel:</b>	Balance	<b>Manganese:</b>	0.50 max.
<b>Chromium:</b>	22.0-24.0	<b>Other:</b>	0.50 max.
<b>Molybdenum:</b>	15.0-17.0	<b>Silicon:</b>	0.08 max.
<b>Cobalt:</b>	2.0 max.	<b>Phosphorus:</b>	0.025 max.
<b>Iron:</b>	3.0 max.	<b>Carbon:</b>	0.010 max.
<b>Copper:</b>	1.3-1.9	<b>Sulfur:</b>	0.010 max.
<b>Aluminum:</b>	0.50 max.		

## Minimal Mechanical Properties:

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

## 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.*