

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:

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

Minimal Mechanical Properties:

Tensile (psi)	100,000
Mpa	690
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.

• Size not available on reels.

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