

Wire and Welding products

HAYNES
International



HAYNES® C-263 RTW™ Filler Metal

Product Description:

HAYNES® C-263 RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of 263 alloy. The alloy is often used in aircraft engines and land based gas turbines for power generation. The alloy has excellent strength in the 1000°F-1600°F (540°C-870°C) temperature range and excellent forming and welding characteristics. The RTW™ finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AMS 5966

Weld Deposit Chemistry:

Ni	Balance
Cr	19.0 - 21.0
Co	19.0 - 21.0
Mo	5.60- 6.10
Ti+Al	2.40 - 2.80
Ti	1.90 - 2.40
Fe	0.70 max.

Mn	0.60 max.
Al	0.30 - 0.60
Si	0.40 max.
Cu	0.20 max.
C	0.04 - 0.08
P	0.015 max.
S	0.007 max.

B	0.005
Pb	0.002
Bi	0.0001
Ag	0.0005

Minimum Mechanical Properties:

Tensile (psi)

Mpa

Elongation (%)

Available Product Forms:

Diameter, in.	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	0.125
Diameter, mm.	0.8	0.9	1.0	1.1	1.2	1.6	2.0	2.4	3.2

Filler metals are available in spools and in cut lengths from the above diameters.

Straight lengths are available in 36" lengths.