

# HAYNES<sup>®</sup> C-263 RTW<sup>™</sup> Filler Metal

## Product Description:

HAYNES<sup>®</sup> 263 RTW<sup>™</sup> 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 industrial gas turbines for power generation. The alloy has excellent strength in 1000°F-1600°F (540°C-870°C) temperature range and excellent forming and welding characteristics. The RTW<sup>™</sup> finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

## Specifications:

AMS 5966 UNS N07263

## Composition:

<b>Nickel:</b>	Balance	<b>Manganese:</b>	0.60 max.	<b>Boron:</b>	0.005
<b>Chromium:</b>	19.0-21.0	<b>Aluminum:</b>	0.30-0.60	<b>Lead:</b>	0.002
<b>Cobalt:</b>	19.0-21.0	<b>Silicon:</b>	0.40 max.	<b>Bismuth:</b>	0.0001
<b>Molybdenum:</b>	5.60-6.10	<b>Copper:</b>	0.20 max.	<b>Silver:</b>	0.0005
<b>Titanium + Aluminum</b>	2.40-2.80	<b>Carbon:</b>	0.04-0.08		
<b>Titanium:</b>	1.90-2.40	<b>Phosphorous:</b>	0.015 max.		
<b>Iron:</b>	0.70 max.	<b>Sulfur:</b>	0.007 max.		

## Minimal Mechanical Properties:

<b>Tensile (psi)</b>	-
<b>Mpa</b>	-
<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.*