

# Wire and Welding products

**HAYNES**  
Wire Company



## HAYNES® 188 RTW™ Filler Metal

### Product Description:

HAYNES® 188 RTW™ filler metal is used for the gas metal arc and gas tungsten arc welding of 188 alloy. The alloy has excellent strength with superior oxidation resistance and thermal stability. The alloy has good sulfidation resistance and is used extensively in demanding military and civil aircraft gas turbine engine combustors and other key components. The RTW™ filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

### Specifications:

AMS 5801

### Weld Deposit Chemistry:

Co.....	Remainder	Si.....	0.20 - 0.50
Cr.....	20.0 - 24.0	C.....	0.05 - 0.15
Ni.....	20.0 - 24.0	La.....	0.02 - 0.12
W.....	13.0 - 16.0	P.....	0.02 max.
Fe.....	3.0 max.	S.....	0.015 max.
Mn.....	1.25 max.	B.....	0.015 max.

### Minimum Mechanical Properties:

Tensile (psi)	115,000
Mpa	791
Elongation (%)	39

### 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.

HW-7029B

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