



HASTELLOY[™] G-30

Key Features

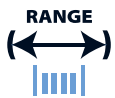
Superior corrosion resistance in phosphoric acids and highly oxidising acids such as nitric, hydrofluoric and sulphuric

Oxidation Resistant

IMPORTANT

We will manufacture to your required mechanical properties.

key advantages to you, *our customer*



0.025mm to 21mm
(.001" to .827")



Order 3m to 3t
(10ft to 6000Lbs)



Delivery:
within 3 weeks



Wire to your spec



E.M.S available



Technical support

HASTELLOY[™] G-30 available in:-

- Round wire
- Bars or lengths
- Flat wire
- Shaped wire
- Rope/Strand

Packaging

- Coils
- Spools
- Bars or lengths



Trade name of Haynes International.

Chemical Composition			Specifications	Key Features	Typical Applications
Element	Min %	Max %	ASTM B619 ISO 15156-3 (NACE MR 0175)	Superior corrosion resistance in phosphoric acids and highly oxidising acids such as nitric, hydrofluoric and sulphuric Oxidation Resistant	Nuclear fuel reprocessing Nuclear waste processing Pickling operations Petrochemical processing
Cr	28.00	31.50			
Mo	4.00	6.00	Designations W.Nr. 2.4603 UNS N06030 AWS 056		
Fe	13.00	17.00			
W	1.50	4.00			
C	-	0.030			
Si	-	0.80			
Co	-	5.00			
Mn	-	1.50			
P	-	0.04			
S	-	0.02			
Cu	1.00	2.40			
Nb/Cb	0.30	1.50			
Nb+Ta	0.30	1.50			
V	-	0.03			
Ni	BAL				

Density	8.22 g/cm ³	0.297 lb/in ³
Melting Point	1399 °C	2550 °F
Coefficient of Expansion	12.8 µm/m °C (20 – 100 °C)	7.1 x 10 ⁻⁶ in/in °F (70 – 212 °F)
Modulus of Rigidity	77.6 kN/mm ²	11255 ksi
Modulus of Elasticity	202 kN/mm ²	29298 ksi

Heat Treatment of Finished Parts					
Condition as supplied by Alloy Wire	Type	Temperature		Time (Hr)	Cooling
		°C	°F		
Annealed or Spring Temper	Stress Relieve	400 – 450	750 – 840	2	Air

Properties				
Condition	Approx. tensile strength		Approx. operating temperature	
	N/mm ²	ksi	°C	°F
Annealed	650 – 900	94 – 131	-200 to +400	-330 to +750
Spring Temper	1000 – 1500	145 – 218	-200 to +400	-330 to +750

The above tensile strength ranges are typical. If you require different please ask.