



HASTELLOY™ C-2000

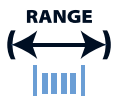
Key Features

- Developed to resist corrosion in a wider range of media
- Resistant to an extensive range of corrosive chemicals including sulphuric, hydrochloric & hydrofluoric acids
- Superior pitting resistance and crevice corrosion resistance to Hastelloy C-276
- Excellent corrosion resistance to reducing media
- Good oxidising resistance

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
(10 ft to 6000 Lbs)



Delivery:
within 3 weeks



Wire to your spec



E.M.S available



Technical support

HASTELLOY™ C-2000 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 B574 ASTM B575 ASTM B619	Developed to resist corrosion in a wider range of media Resistant to an extensive range of corrosive chemicals including sulphuric, hydrochloric & hydrofluoric acids	Chemical processing
Cr	22.00	24.00			
Mo	15.00	17.00	Designations W.Nr. 2.4675 UNS N06200 AWS 055	Superior pitting resistance and crevice corrosion resistance to Hastelloy C-276 Excellent corrosion resistance to reducing media Good oxidising resistance	
Fe	-	3.00			
C	-	0.010			
Si	-	0.080			
Co	-	2.00			
Mn	-	0.50			
P	-	0.025			
S	-	0.010			
Cu	1.30	1.90			
Al	-	0.50			
Ni	BAL				

Density	8.5 g/cm ³	0.307 lb/in ³
Melting Point	1399 °C	2550 °F
Coefficient of Expansion	12.4 µm/m °C (20 – 100 °C)	6.9 x 10 ⁻⁶ in/in °F (70 – 212 °F)
Modulus of Rigidity	79 kN/mm ²	11458 ksi
Modulus of Elasticity	206 kN/mm ²	29878 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	700 – 1000	102 – 145	-200 to +400	-330 to +750
Spring Temper	1300 – 1600	189 – 232	-200 to +400	-330 to +750

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