

## TECHNICAL DATA

### Specification

AMS 5798, EN:2.4665, UNS: N06002, AWS: ERNiCrMo-2

HASTELLOY X alloy (UNS N06002 (W86002)) is a nickel-chromium-iron-molybdenum alloy that possesses an exceptional combination of oxidation resistance, fabricability and high-temperature strength. It has also been found to be exceptionally resistant to stress-corrosion cracking in petrochemical applications. X alloy exhibits good ductility after prolonged exposure at temperatures of 1200, 1400, 1600°F (650, 760 and 870°C) for 16,000 hours.

### Mechanical properties

Tensile strength Rm (Mpa)	765
Yield strength Rm (Mpa)	379
Elongation (%)	44

Composition in %				
Cr 22.00	Fe 22.00	Mo 9.00	Co 1.50	W 0.60
C 0.10	Mn 1.00 max	Si 1.00 max	B 0.01 max	Nb 0.50 max
Al 0.50 max	Ti 0.15 max	Ni 47.00		

### Available Sizes:

MA125 Spools/ Rod 500 mm: Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8

Rods (500 mm): Ø mm 1.0 / 1.2



EN 10204/3.1 2005 Quality Certified



e-version