



# CEWELD Alloy X Tig

**TYPE** CEWELD Alloy X is a nickel- chromium-iron-molybdenum alloy wire rod

**APPLICATIONS** CEWELD® Alloy X Tig 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, Gas turbine engines, Industrial furnaces, Chemical processing...

**PROPERTIES** CEWELD® Alloy X Tig exhibits good ductility after prolonged exposure at temperatures of 1200, 1400, 1600°F (650, 760 and 870°C) for 16,000 hours. Suitable for joining and cladding Nickel alloys, stainless steel, carbon steel and low alloyed steels. UNS: N06002, AMS 5754, AMS 5798

**CLASSIFICATION**

AWS	A 5.14: ERNiCrMo-2
EN ISO	18274: S Ni 6002(NiCr21Fe18Mo9)
W.Nr.	2.4665
F-nr	43
FM	6

**SUITABLE FOR** 2.4665  
UNS: N06002  
Alloy HX, X, AMS 5754, AMS 5798, ASTM B619, Nickel alloys, stainless steel, carbon steel and low alloyed steels.

**APPROVALS**

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	Cr	Ni	Mo	Fe	W	Co
0.1	0.8	0.8	22	55	9	19	0.8	2

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				RT		
As Welded		660	30	100		HRc

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD Alloy X Tig

ALLOY X TIG 0,8 X 914MM	Packaging	KG/unit	EanCode
	Tube	0,91	8720663420299
ALLOY X TIG 1,14 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663420312
ALLOY X TIG 1,6 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663420329
ALLOY X TIG 2,4 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663420336