



CEWELD Alloy X

TYPE Nickel based filler metal for welding similar NiCrMo alloys

APPLICATIONS Suitable for joining and cladding Nickel alloys, stainless steel, carbon steel and low alloyed steels. UNS: N06002

PROPERTIES CEWELD Alloy X 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. CEWELD Alloy X exhibits good ductility after prolonged exposure at temperatures of 1200, 1400, 1600F (650, 760 and 870°C) for 16,000 hours.

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 Alloy HX, X, Nickel Alloys, stainless steel, carbon steel and low alloyed steels. UNS: N06002

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

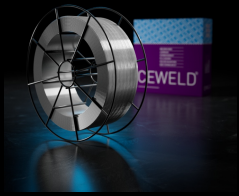
C	Si	Mn	Cr	Ni	Mo	Fe	W	Co	Cu
0.1	0.8	0.9	22	50	9	19	0.8	2	0.4

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	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

ALLOY X 1,14MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663420305