



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

PROPRIÉTÉS 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 |

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

AGRÉMENTS

POSITIONS DE SOUDAGE



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

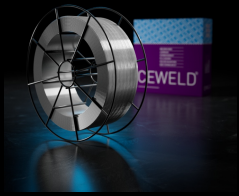
| C | Si | Mn | Cr | Ni | Mo | Fe | W | Co | Cu |
|-----|-----|-----|----|----|----|----|-----|----|-----|
| 0.1 | 0.8 | 0.9 | 22 | 50 | 9 | 19 | 0.8 | 2 | 0.4 |

PROPRIÉTÉS MÉCANIQUES

| Heat Treatment | R _{p0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | | Hardness |
|----------------|-------------------------|----------------------|--------------------|-------------------------|--|----------|
| | | | | RT | | |
| As Welded | | 660 | 30 | 100 | | HRc |

ETUVAGE Not required

GAS ACC. EN ISO 14175 I1



CEWELD Alloy X

ALLOY X 1,14MM

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