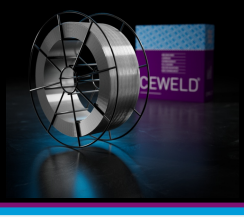



# CEWELD Alloy X

certilas® THE FILLER METAL SPECIALIST

**TYPE**

Nickel based filler metal for welding similar NiCrMo alloys

**APPLICATIONS**

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, Gas turbine engines, Industrial furnaces, Chemical processing...

**PROPERTIES**

CEWELD® Alloy X 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) |
| F-nr | 43 |
| FM | 6 |
| W.Nr. | 2.4665 |

**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**

No Approvals Found

**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 |

**ALL WELD MECHANICAL PROPERTIES**

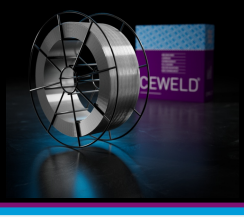
| Heat Treatment | $R_{P0,2}$ MPa | Rm MPa | A5 (%) | Impact Energy (J) ISO-V RT |
|---|---|---|---|---|
| As Welded / | | 660 | 30 | 100 |

**REDRYING TEMPERATURE**

Not required

**GAS ACCORDING EN 14175**

I1




# CEWELD Alloy X



ALLOY X 1,14MM

| Type | KG/unit | EANCode |
|---|---|---|
| BS-300 | 13,6 | 8720663420305 |