



# CEWELD Alloy C-2000

**TYPE** NiCrMo based Mig welding wire for Hastelloy C2000

**APPLICATIONS** CEWELD® Alloy C-2000 (UNS N06200) is unique among the versatile nickel-chromium-molybdenum materials in having a deliberate copper addition

**PROPERTIES** Like other nickel alloys, it is ductile, easy to form and weld, and possesses exceptional resistance to stress corrosion cracking in chloride-bearing solutions (a form of degradation to which the austenitic stainless steels are prone). It is able to withstand a wide range of oxidizing and non-oxidizing chemicals, and exhibits outstanding resistance to pitting and crevice attack in the presence of chlorides and other halides.

**CLASSIFICATION**

|        |                                 |
|--------|---------------------------------|
| AWS    | A 5.14: ERNiCrMo-17             |
| EN ISO | 18274: S Ni 6200(NiCr23Mo16Cu2) |
| W.Nr.  | 2.4675                          |
| F-nr   | 43                              |
| FM     | 6                               |

**SUITABLE FOR** Alloy C-2000, 2.4675, Ni99,2, Nickel 200

**APPROVALS**

**WELDING POSITIONS**



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

| C    | Si   | Mn  | Cr | Ni | Mo | Fe  | Co | Cu  |
|------|------|-----|----|----|----|-----|----|-----|
| 0.01 | 0.08 | 0.4 | 23 | 60 | 16 | 1.5 | 1  | 1.6 |

**MECHANICAL PROPERTIES**

| Heat Treatment | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Impact Energy (J) ISO-V | Hardness |
|----------------|-------------------------|----------------------|--------|-------------------------|----------|
|                |                         |                      |        | RT                      |          |
| As Welded      | 550                     | 830                  | 45     | 195                     | HRc      |

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1