

# CEWELD Alloy 263

**TYPE** Solid nickel based filler metal for gas shielded arc welding.

**APPLICATIONS** CEWELD® Alloy 263 is developed for aircraft turbine engine and industrial turbine applications. These include low-temperature combustors, transition liners, and some ring components.

**PROPERTIES** CEWELD® Alloy 263 should be used for applications up to about 1650°F (900°C). Its oxidation resistance is comparable to that for other gamma-prime-strengthened superalloys. CEWELD® Alloy 263 is an age-hardenable nickel-cobalt-chromium-molybdenum alloy designed specifically to combine good age-hardened strength properties with excellent fabrication characteristics in the annealed condition. CEWELD® Alloy 263 exhibits excellent intermediate temperature tensile ductility, and is not normally subject to strain age cracking problems common for gamma prime strengthened alloys.

**CLASSIFICATION**

**SUITABLE FOR** Nickel based alloys with similar composition as Nimonic 263

**APPROVALS** CE

**WELDING POSITIONS**



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

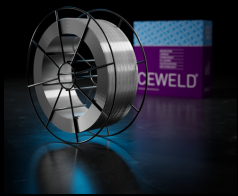
| C    | Mn  | Si  | Cr | Ni   | Mo | Ti  | Co |
|------|-----|-----|----|------|----|-----|----|
| 0.06 | 0.4 | 0.2 | 20 | Rem. | 6  | 2.6 | 20 |

**MECHANICAL PROPERTIES**

| Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|----------------|-------------------------|----------------------|--------|----------|
| As Welded      |                         | 900                  |        | HRc      |

**REDRYING** Not required

**GAS ACC. EN ISO 14175** I1



# CEWELD Alloy 263

ALLOY 263 0,8MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 13,6    | 8720663419798 |

ALLOY 263 1,2MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 13,6    | 8720663419804 |