
# CEWELD CuAl8Ni6

certilas® THE FILLER METAL SPECIALIST

**TYPE**

Copper Aluminum Nickel alloy 2.0923 for GMAW welding

**APPLICATIONS**

Desalting installations, CuNiAl ship propellers, cladding against corrosion, cladding against wear, gliding surfaces, shipbuilding, pump building, shafts, guide grooves, tube systems etc.

**PROPERTIES**

The weld metal is a Cu-Al-Ni bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Seawater, wear and corrosion resistance; for example when seawater, cavitation and erosion are simultaneously affecting the weld deposit.

**CLASSIFICATION**

| | |
|---|---|
| AWS | A 5.7: ERCuNiAl |
| EN ISO | 24373: Cu 6328 / CuAl9Ni5Fe3Mn2 |
| F-nr | 37 |
| W.Nr. | 2.0923 |

**SUITABLE FOR**

CuNiAl, CuAlNi, aluminum bronze, ship propellers, 2.0923, UNS C63000, C630AlBz, Joint welds or building up of aluminum bronze. Cladding (steel) components undergoing metal to metal wear under high pressure. Especially suited for marine environments. The addition of nickel improves corrosion resistance in heat and rough seawater.

**APPROVALS**

No Approvals Found

**WELDING POSITIONS**


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

| Si | Mn | Fe | Cu | Zn | Pb | Al | Ni+Co |
|---|---|---|---|---|---|---|---|
| 0.05 | 2.5 | 4 | Rem. | 0.05 | 0.01 | 9 | 5 |

**ALL WELD MECHANICAL PROPERTIES**

| Heat Treatment | $R_{P0,2}$ MPa | Rm MPa | A5 (%) | Hardness Brinell Hardness |
|---|---|---|---|---|
| As Welded / | 400 | 700 | 15 | Avg. 250 |

**REDRYING TEMPERATURE**

Not required

**GAS ACCORDING EN 14175**

I1, I3


# CEWELD CuAl8Ni6

CUAL8NI6 1,0MM

| Type | KG/unit | EANCode |
|---|---|---|
| BS-300 | 15 | 8720663409041 |