



# CEWELD CuAl8Ni2 Tig

**TYPE** TIG Aluminium / Nickel alloyed copper welding wire

**ANWENDUNGEN** Joint welds or building up of aluminum bronze. Cladding 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.

**EIGENSCHAFTEN** Special alloyed copper wire for the TIG process. The weld metal is a Cu-Al-Ni bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Excellent resistance to cavitations and stress corrosion cracking.

**KLASSIFIKATION** EN ISO 24373: Cu 6327 / CuAl8Ni2Fe2Mn2

**GEEIGNET FÜR** This filler metal with increased strength and corrosion properties is very well suited for Ship propellers, shipbuilding, pump building, shafts, guide grooves etc. W.Nr: 2.0916, 2.0920, 2.0928, 2.0932, 2.0936, 2.0940, 2.0960, 2.0962, 2.0966, 2.0970, 2.0978, 2.0980.

**ZULASSUNGEN**

**SCHWEISSPOSITIONEN**



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

| Si  | Mn | Fe | Cu   | Zn  | Pb   | Al  | Ni+Co |
|-----|----|----|------|-----|------|-----|-------|
| 0.1 | 2  | 2  | Rem. | 0.1 | 0.01 | 8.5 | 2.5   |

**MECHANISCHE GÜTEWERTE**

| Heat Treatment | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Hardness |
|----------------|-------------------------|----------------------|--------------------|----------|
| As Welded      |                         | 530                  |                    | 140 HB   |

**RÜCKTROCKNUNG** Not required

**GAS ACC. EN ISO 14175** 11, 13



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|                           |           |         |               |
|---------------------------|-----------|---------|---------------|
| CUAL8NI2 TIG 10 X 1000MM  | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663424495 |
| CUAL8NI2 TIG 12 X 1000MM  | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663424488 |
| CUAL8NI2 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409188 |
| CUAL8NI2 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409201 |
| CUAL8NI2 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409195 |
| CUAL8NI2 TIG 4,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409218 |
| CUAL8NI2 TIG 5,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409225 |
| CUAL8NI2 TIG 6,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409232 |
| CUAL8NI2 TIG 8,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663424501 |