



# CEWELD CuAl8Ni6 Tig

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |                         |                      |        |          |    |       |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|----------------------|--------|----------|----|-------|
| TYPE                                              | Koper Aluminium Nikkel legering 2.0923 voor TIG lassen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                         |                      |        |          |    |       |
| TOEPASSINGEN                                      | Ontziltingsinstallaties, CuNiAl scheepsschroeven, bekleding tegen corrosie, bekleding tegen slijtage, glijvlakken, scheepsbouw, pompbouw, assen, geleidingsgroeven, buissystemen enz.                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |                         |                      |        |          |    |       |
| EIGENSCHAPPEN                                     | Het lasmetaal is een Cu-Al-Ni brons. Degelijke, porievrije neersmelt op ferro en non-ferro basismaterialen. Zeewater-, slijtage- en corrosiebestendigheid; bijvoorbeeld wanneer zeewater, cavitatie en erosie tegelijkertijd de neersmelt aantasten.                                                                                                                                                                                                                                                                                                                                          |                                 |                         |                      |        |          |    |       |
| CLASSIFICATIE                                     | AWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A 5.7: ERCuNiAl                 |                         |                      |        |          |    |       |
|                                                   | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24373: Cu 6328 / CuAl9Ni5Fe3Mn2 |                         |                      |        |          |    |       |
|                                                   | W.Nr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.0923                          |                         |                      |        |          |    |       |
|                                                   | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 37                              |                         |                      |        |          |    |       |
| GESCHIKT VOOR                                     | CuNiAl, CuAlNi, aluminium bronze, ship propellers, 2.0923, 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 heated and rough seawater.                                                                                                                                                                                                                                                                       |                                 |                         |                      |        |          |    |       |
| GOEDKEURINGEN                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |                         |                      |        |          |    |       |
| LASPOSITIES                                       |        |                                 |                         |                      |        |          |    |       |
| 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     |
| MECHANISCHE WAARDEN                               | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |    |       |
|                                                   | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 | 400                     | 700                  | 15     | 200 HB   |    |       |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |                         |                      |        |          |    |       |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                         |                      |        |          |    |       |



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|                           |           |         |               |
|---------------------------|-----------|---------|---------------|
| CUAL8NI6 TIG 10,0 X 100MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409256 |
| CUAL8NI6 TIG 12,0 X 100MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409263 |
| CUAL8NI6 TIG 2,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409102 |
| CUAL8NI6 TIG 2,4 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409119 |
| CUAL8NI6 TIG 3,2 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409126 |
| CUAL8NI6 TIG 6,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409133 |
| CUAL8NI6 TIG 8,0 X 1000MM | Packaging | KG/unit | EanCode       |
|                           | Tube      | 5       | 8720663409249 |