



# CEWELD CuAl8Ni2 Tig

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                         |                      |        |          |     |       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|----------------------|--------|----------|-----|-------|
| TYPE                                              | TIG Aluminium / Nickel alloyed copper welding wire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                         |                      |        |          |     |       |
| APPLICATIONS                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                         |                      |        |          |     |       |
| PROPERTIES                                        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                         |                      |        |          |     |       |
| CLASSIFICATION                                    | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24373: Cu 6327 / CuAl8Ni2Fe2Mn2 |                         |                      |        |          |     |       |
|                                                   | W.Nr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.0922                          |                         |                      |        |          |     |       |
| SUITABLE FOR                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                         |                      |        |          |     |       |
| APPROVALS                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                         |                      |        |          |     |       |
| WELDING POSITIONS                                 | <div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div> <div> PF</div> <div> PG</div> |                                 |                         |                      |        |          |     |       |
| 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   |
| MECHANICAL PROPERTIES                             | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |     |       |
|                                                   | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                         | 590                  |        | 140 HB   |     |       |
| REDRYING                                          | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |                         |                      |        |          |     |       |
| GAS ACC. EN ISO 14175                             | I1, I3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |                         |                      |        |          |     |       |



# CEWELD CuAl8Ni2 Tig

|                           |           |         |               |
|---------------------------|-----------|---------|---------------|
| 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 |