



# CEWELD CuAl5Ni2

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                      |                    |                         |          |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|--------------------|-------------------------|----------|
| TYPE                                        | Copper aluminium nickel alloy for Mig welding and brazing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |                      |                    |                         |          |
| APPLICATIONS                                | Low alloyed aluminum bronze, particularly suitable for joint welds on ferritic and austenitic steels. Good flowing properties with good cover groove, also suitable for joint welds on steels and copper. For multiplayer welding on steels, pulsed arc welding is recommended. Amazing results are obtained on stainless steel sheet metal due to less heat input, higher travel speed and less cleaning hours. Containers, valve control chambers, exhaust parts, thin sheet welding (steel and specially stainless steel) Ship propellers, shipbuilding, pump building, shafts, guide grooves etc. |                             |                      |                    |                         |          |
| PROPERTIES                                  | Sound, pore free deposits on ferrous and non-ferrous base materials with excellent wetting. Due to the excellent wetting and low melting point welding speeds can be achieved upto 2 mtr/min. The weld deposit offers a corrosion resistance similar to AISI 304.                                                                                                                                                                                                                                                                                                                                     |                             |                      |                    |                         |          |
| CLASSIFICATION                              | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24373: Cu 6161 / CuAl5Ni2Mn |                      |                    |                         |          |
|                                             | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 36                          |                      |                    |                         |          |
| SUITABLE FOR                                | W.Nrs: 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                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |                      |                    |                         |          |
| TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%) | Mn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             | Al                   |                    | Ni+Co                   |          |
|                                             | 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             | 5                    |                    | 1.8                     |          |
| MECHANICAL PROPERTIES                       | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R <sub>p0,2</sub> (MPa)     | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V | Hardness |
|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                      |                    | RT                      |          |
|                                             | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             | 353                  | 45                 | 161                     | HRc      |
| REDRYING                                    | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |                      |                    |                         |          |
| GAS ACC. EN ISO 14175                       | I1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |                      |                    |                         |          |



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CUAL5NI2 1,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663409140 |