



CEWELD CuAl5Ni2

TYPE	Copper aluminium nickel alloy for Mig welding and brazing																
ANWENDUNGEN	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.																
EIGENSCHAFTEN	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.																
KLASSIFIKATION	EN ISO 24373: Cu 6161 / CuAl5Ni2Mn F-nr 36																
GEEIGNET FÜR	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.																
ZULASSUNGEN																	
SCHWEISSPOSITIONEN																	
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 33%;">Mn</td> <td style="width: 33%;">Al</td> <td style="width: 33%;">Ni+Co</td> </tr> <tr> <td>0.5</td> <td>5</td> <td>1.8</td> </tr> </table>	Mn	Al	Ni+Co	0.5	5	1.8										
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MECHANISCHE GÜTEWERTE	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{p0,2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th colspan="2">RT</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td></td> <td>353</td> <td>45</td> <td colspan="2">161</td> <td>HRC</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	RT		As Welded		353	45	161		HRC
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RÜCKTROCKNUNG	Not required																
GAS ACC. EN ISO 14175	11																



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CUAL5NI2 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409140