




# CEWELD CuAl8Ni6 Tig

TYPE	Copper Aluminium Nickel alloy for GTAW welding (Tig)																
ANWENDUNGEN	Desalting installations, CuNiAl ship propellers, cladding against corrosion, cladding against wear, gliding surfaces, shipbuilding, pump building, shafts, guide grooves, tube systems etc.																
EIGENSCHAFTEN	The weld metal is a Cu-Al-Ni bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Seawater, wear and corrosion resistance; for example when seawater, cavitation and erosion are simultaneously affecting the weld deposit.																
KLASSIFIKATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.7: ERCuNiAl</td> </tr> <tr> <td>EN ISO</td> <td>24373: Cu 6328 / CuAl9Ni5Fe3Mn2</td> </tr> <tr> <td>W.Nr.</td> <td>2.0923</td> </tr> <tr> <td>F-nr</td> <td>37</td> </tr> </table>	AWS	A 5.7: ERCuNiAl	EN ISO	24373: Cu 6328 / CuAl9Ni5Fe3Mn2	W.Nr.	2.0923	F-nr	37								
AWS	A 5.7: ERCuNiAl																
EN ISO	24373: Cu 6328 / CuAl9Ni5Fe3Mn2																
W.Nr.	2.0923																
F-nr	37																
GEEIGNET FÜR	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.																
ZULASSUNGEN																	
SCHWEISSPOSITIONEN																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Si</th> <th>Mn</th> <th>Fe</th> <th>Cu</th> <th>Zn</th> <th>Pb</th> <th>Al</th> <th>Ni+Co</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>2.5</td> <td>4</td> <td>Rem.</td> <td>0.05</td> <td>0.01</td> <td>9</td> <td>5</td> </tr> </tbody> </table>	Si	Mn	Fe	Cu	Zn	Pb	Al	Ni+Co	0.05	2.5	4	Rem.	0.05	0.01	9	5
Si	Mn	Fe	Cu	Zn	Pb	Al	Ni+Co										
0.05	2.5	4	Rem.	0.05	0.01	9	5										
MECHANISCHE GÜTEWERTE	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>P0,2</sub> (MPa)</th> <th>R<sub>m</sub> (MPa)</th> <th>A<sub>5</sub> (%)</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>400</td> <td>700</td> <td>15</td> <td>200 HB</td> </tr> </tbody> </table>	Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness	As Welded	400	700	15	200 HB						
Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness													
As Welded	400	700	15	200 HB													
RÜCKTROCKNUNG	Not required																
GAS ACC. EN ISO 14175	I1, I3																



# CEWELD CuAl8Ni6 Tig

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