



CEWELD CuAl8Ni6 Tig

TYPE	Copper Aluminium Nickel alloy for GTAW welding (Tig)																
APPLICATIONS	Desalting installations, CuNiAl ship propellers, cladding against corrosion, cladding against wear, gliding surfaces, shipbuilding, pump building, shafts, guide grooves, tube systems etc.																
PROPERTIES	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.																
CLASSIFICATION	<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>F-nr</td> <td>37</td> </tr> <tr> <td>W.Nr.</td> <td>2.0923</td> </tr> </table>	AWS	A 5.7: ERCuNiAl	EN ISO	24373: Cu 6328 / CuAl9Ni5Fe3Mn2	F-nr	37	W.Nr.	2.0923								
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SUITABLE FOR	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.																
APPROVALS	No Approvals Found																
WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <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
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R_{p0,2} MPa</th> <th>R_m MPa</th> <th>A5 (%)</th> <th>Hardness Brinell</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td>400</td> <td>700</td> <td>15</td> <td>Avg. 200</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A5 (%)	Hardness Brinell	As Welded /	400	700	15	Avg. 200						
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REDRYING TEMPERATURE	Not required																
GAS ACCORDING EN 14175	I1, I3																



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