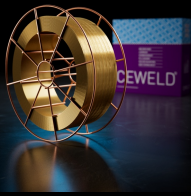




CEWELD CuAl8Ni6

TYPE	Copper Aluminum Nickel alloy 2.0923 for GMAW welding																
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>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																
SUITABLE FOR	CuNiAl, CuAlNi, aluminum bronze, ship propellers, 2.0923, UNS C63000, C630AlBz, 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 heat and rough seawater.																
APPROVALS																	
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
Si	Mn	Fe	Cu	Zn	Pb	Al	Ni+Co										
0.05	2.5	4	Rem.	0.05	0.01	9	5										
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</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>400</td> <td>700</td> <td>15</td> <td>250 HB</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness	As Welded	400	700	15	250 HB						
Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness													
As Welded	400	700	15	250 HB													
REDRYING	Not required																
GAS ACC. EN ISO 14175	I1, I3																



CEWELD CuAl8Ni6

CUAL8NI6 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409041