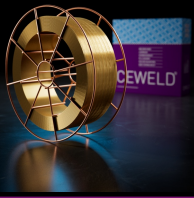




CEWELD CuAl8Ni6

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>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								
AWS	A 5.7: ERCuNiAl																
EN ISO	24373: Cu 6328 / CuAl9Ni5Fe3Mn2																
F-nr	37																
W.Nr.	2.0923																
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	No Approvals Found																
WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>Si</td> <td>Mn</td> <td>Fe</td> <td>Cu</td> <td>Zn</td> <td>Pb</td> <td>Al</td> <td>Ni+Co</td> </tr> <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> </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										
ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">Heat Treatment</td> <td style="width: 10%;">R_{P0,2}</td> <td style="width: 10%;">R_m</td> <td style="width: 10%;">A₅</td> <td style="width: 45%;">Hardness</td> </tr> <tr> <td>As Welded /</td> <td>MPa</td> <td>MPa</td> <td>(%)</td> <td>Brinell Hardness</td> </tr> <tr> <td></td> <td>400</td> <td>700</td> <td>15</td> <td>Avg. 250</td> </tr> </table>	Heat Treatment	R _{P0,2}	R _m	A ₅	Hardness	As Welded /	MPa	MPa	(%)	Brinell Hardness		400	700	15	Avg. 250	
Heat Treatment	R _{P0,2}	R _m	A ₅	Hardness													
As Welded /	MPa	MPa	(%)	Brinell Hardness													
	400	700	15	Avg. 250													
REDRYING TEMPERATURE	Not required																
GAS ACCORDING EN 14175	I1, I3																



CEWELD CuAl8Ni6

CUAL8NI6 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663409041