



# CEWELD CuAl8Ni2 Tig

TYPE	TIG Aluminium / Nickel alloyed copper welding wire																
APPLICATIONS	Joint welds or building up of aluminum bronze. Cladding 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.																
PROPERTIES	Special alloyed copper wire for the TIG process. The weld metal is a Cu-Al-Ni bronze. Sound, pore free deposits on ferrous and non-ferrous base materials. Excellent resistance to cavitations and stress corrosion cracking.																
CLASSIFICATION	EN ISO            24373: Cu 6327 / CuAl8Ni2Fe2Mn2																
SUITABLE FOR	This filler metal with increased strength and corrosion properties is very well suited for Ship propellers, shipbuilding, pump building, shafts, guide grooves etc. W.Nr: 2.0916, 2.0920, 2.0928, 2.0932, 2.0936, 2.0940, 2.0960, 2.0962, 2.0966, 2.0970, 2.0978, 2.0980.																
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>0.1</td> <td>2</td> <td>2</td> <td>Rem.</td> <td>0.1</td> <td>0.01</td> <td>8.5</td> <td>2.5</td> </tr> </table>	Si	Mn	Fe	Cu	Zn	Pb	Al	Ni+Co	0.1	2	2	Rem.	0.1	0.01	8.5	2.5
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 33%;">Heat Treatment</td> <td style="width: 11%;">R<sub>p0,2</sub> MPa</td> <td style="width: 11%;">R<sub>m</sub> MPa</td> <td style="width: 11%;">A<sub>5</sub> (%)</td> <td style="width: 34%;">Hardness Brinell Hardness</td> </tr> <tr> <td>As Welded /</td> <td></td> <td>530</td> <td></td> <td>Avg. 140</td> </tr> </table>	Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Brinell Hardness	As Welded /		530		Avg. 140						
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REDRYING TEMPERATURE	Not required																
GAS ACCORDING EN 14175	I1, I3																



# CEWELD CuAl8Ni2 Tig

CUAL8NI2 TIG 10 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663424495
CUAL8NI2 TIG 12 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663424488
CUAL8NI2 TIG 2,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409188
CUAL8NI2 TIG 2,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409201
CUAL8NI2 TIG 3,2 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409195
CUAL8NI2 TIG 4,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409218
CUAL8NI2 TIG 5,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409225
CUAL8NI2 TIG 6,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663409232
CUAL8NI2 TIG 8,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663424501