



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

AWS	A 5.7: ERCuNiAl
EN ISO	24373: Cu 6328 / CuAl9Ni5Fe3Mn2
W.Nr.	2.0923
F-nr	37

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

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Fe	Cu	Zn	Pb	Al	Ni+Co
0.05	2.5	4	Rem.	0.05	0.01	9	5

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	400	700	15	200 HB

REDRYING Not required

GAS ACC. EN ISO 14175 I1, I3



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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