



CEWELD CuNi30Fe Tig

TYPE	Tig welding wire for CuNi30Fe 2.0837								
APPLICATIONS	This Copper-Nickel weld metal is widely used for marine and desalination applications. Dissimilar welding applications for this alloy are joints between Monel alloys or Nickel 200 and Copper-Nickel alloys. Often used for surfacing on steel by using Ceweld NiTi-3 as a barrier layer. Shipbuilding, seawater evaporation plants, tubes, pump building, offshore, desalting equipment and parts etc.								
PROPERTIES	Sound, pore free deposits on ferrous and non-ferrous base materials offering excellent resistance to corrosion in sea water.								
CLASSIFICATION	AWS	A 5.7: ERCuNi							
	EN ISO	24373: Cu 7158 / CuNi30Mn1FeTi							
	W.Nr.	2.0837							
	F-nr	34							
SUITABLE FOR	Mat.n: CW350H/2.0830, CW352H/2.0872, CW354H/2.0882, CW403J/2.0730, CW409J/2.0740, 2.0862 2.0806, 2.0812, 2.0818, 2.0822, 2.0830, 2.0836, 2.0842, 2.0862, 2.0872, 2.0878, 2.0882, 2.0890 (Monel 67): Wrought and Cast Alloys of 70-30, 80-20 and 90-10 Copper Nickel Alloys, Monel Alloy 450, Nickel 200, CuNi5Fe, CuNi10Fe, CuNi20Fe (2.0878), CuNi30Fe (2.0882).								
APPROVALS									
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF  PG								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Si	Mn	P	Ti	Fe	Pb	Cu+Ag	Ni+Co	S
	0.2	0.5	0.01	0.4	0.6	0.01	Rem.	31	0.01
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness	
					RT				
	As Welded	200	420	36	200			115 HB	
REDRYING	Not required								
GAS ACC. EN ISO 14175	I1, I3								



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CUNI30FE TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663409584
CUNI30FE TIG 1,6 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663409591
CUNI30FE TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663409607
CUNI30FE TIG 2,0 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663409614
CUNI30FE TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663409621
CUNI30FE TIG 2,4 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663409645
CUNI30FE TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663409652
CUNI30FE TIG 3,2 X 914MM	Packaging	KG/unit	EanCode
	Tube	4,54	8720663409669