



CEWELD CuNi30Fe

TYPE	Copper-Nickel alloyed Mig / Tig welding wire.								
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 buffer 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	0.35	0.55	0.01	Rem.	30.5	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 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409522
D-100	1	8720663409539

CUNI30FE 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409546

CUNI30FE 1,2MM

Packaging	KG/unit	EanCode
BS-300	13,6	8720663409560
BS-300	15	8720663409553

CUNI30FE 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409577

CUNI30FE 2,4MM

Packaging	KG/unit	EanCode
K-415	25	8720663409638