



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
F-nr	34
W.Nr.	2.0837

SUITABLE FOR (Monel 67): Wrought and cast alloys of 70-30, 80-20 and 90-10 copper nickel alloys, Monel 450, (alloy 450), Nickel 200, CuNi10Fe, CuNi20Fe (2.0878), CuNi30Fe (2.0882), 2.0872 - CuNi 10 Fe 1 Mn (CuNi 10 Fe),

APPROVALS No Approvals Found

WELDING POSITIONS

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

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V RT	Hardness Brinell Hardness
As Welded /	200	420	36	200	Avg. 115

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175 I1, I3



CEWELD CuNi30Fe Tig

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