



CEWELD ERTi-12 Tig

TYPE	Solid drawn Titanium Grade 12 welding wire .						
TOEPASSINGEN	This alloy finds his applications in chemical industry and offers excellent Weldability. Often recommended for pressure vessels and piping for its superior strength alone.						
EIGENSCHAPPEN	ER Ti-12. Grade 12 (Ti 0.8Ni0.3Mo) is an intermediate strength grade originally developed to provide enhanced crevice-corrosion resistance in high temperature brines, but at lower cost than Grade 7. The improved performance is believed to be the result of Ni++ and Mo++ ions that alter the surface electrochemistry of the material in the crevice or under a surface deposit. Grade 12 has better elevated temperature properties than Grade 2 or 3 and is sometimes specified for pressure vessels or piping for its superior strength alone.						
CLASSIFICATIE	AWS EN ISO W.Nr. F-nr	A 5.16: ERTi-12 24034: S Ti 3401 / TiNi0,7Mo0,3 ~3.7105 51					
GESCHIKT VOOR	3.7105 Titanium grade 12, Grade 7, Grade 2 and Grade 3 R56400 Ti3AL-1,5Mn						
GOEDKEURINGEN							
LASPOSITIES	      						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	H	N	O	Fe	Ni	Ti
	0.02	0.005	0.01	0.12	0.1	0.8	Rem.
MECHANISCHE WAARDEN	Heat Treatment		RP0,2 (MPa)	Rm (MPa)	A5 (%)	Hardness	
	As Welded		345	480	20	HRc	
HERDROGEN	Not required						
GAS ACC. EN ISO 14175	I1						



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ERTI-12 TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406477
ERTI-12 TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406484
ERTI-12 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406491
ERTI-12 TIG 3.2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	2,5	8720663406507