



CEWELD 316LMn Tig

TYPE	Tig filler metal for welding fully austenitic CrNiMnMo stainless steels and low temperature steels.								
TOEPASSINGEN	Particularly suited for corrosion conditions in urea synthesis plants for welding work on steel X 2 CrNiMo 18 12 and for over-layer claddings of Type 1.4455.. Well suited for joining and cladding applications with matching and similar austenitic CrNi(N) and CrNiMo(Mn,N) steels/cast steel grades.								
EIGENSCHAPPEN	Stainless steel with excelent resistance to intercrystalline corrosion and wet corrosion up to 350°C (662 °F). Corrosion-resistance is similar to low-carbon CrNiMo(Mn,N) steels/cast steel grades.Seawater resistant, good resistance to nitric acid, selective attack max. 200 µm.Non magnetic (permeability in field of 8000 A/m 1.01 max.).								
CLASSIFICATIE	AWS	A 5.9: ER316LMn							
	EN ISO	14343-A: W 20 16 3 Mn N L							
	W.Nr.	1.4455							
	F-nr	6							
	FM	5							
GESCHIKT VOOR	ISO 15608: 8.1 Austenitic ≤ 19 % Cr 1.3941, 1.3945, 1.3948, 1.3951, 1.3952, 1.3953, 1.3955, 1.3964, 1.3965, 1.4315, 1.4401, 1.4404, 1.4411, 1.4429, 1.4435, 1.4438, 1.4439, 1.4449, 1.4561, 1.4571, 1.6902, 1.6903, 1.6905, 1.5662, X5 CrNiMo 17-12-2, X2CrNiMoN 22-15, X2CrNiMoN 18-14-3, X2CrNiMo 18-15, X8 CrMnNi 18-8, X2 CrNiMo 17-13-2, X2 CrNiMo 18-14-3, X2CrNiMoN 17-13-3, X6 CrNiMoTi 17-12-2, X2 CrNiMoN 17-13-5, X3 CrNiMo 18-12-3, X2 CrNiMo 18-15-4, X2 CrNiN 18-10, GX6 CrNi 18-10, GX5 CrNiNb 18-10, X5CrNiN19-9, X1CrNiMoTi18-13-2, 10CrNiTi18-10, (G)X4CrNi18-3, X2CrNiN18-13, X4CrNiMnMoN19-13-8, UNS S31600, S31603, S31635, S31700, S31703, S30453 AISI 316, 316L, 316Ti, 317, 317L, 304LN 3,5 – 5% Ni-Steel								
GOEDKEURINGEN	CE								
LASPOSITIES									
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	N
	0.02	0.55	7.5	0.01	0.01	20	16	3	0.01
MECHANISCHE WAARDEN	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness	
	As Welded	440	620	35	RT			HRc	
					120				
HERDROGEN	Not required								
GAS ACC. EN ISO 14175	I1								



CEWELD 316LMn Tig

316LMN TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414984

316LMN TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663415028

316LMN TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663415066