



CEWELD 318Si Tig

TYPE	Solid stabilized stainless steel TIG rod with high Mo content								
APPLICATIONS	Constructions in chemical industries like apparatus and vessels up to working temperatures of approximately 120 °C up to 400 °C.								
PROPERTIES	Applicable for welding of joints and surfacings of stabilized, corrosion resistant CrNiMo steels.Excellent corrosion resistance as needed in chemical industry up to 400°C and good weldability with excellent flowing properties due to the increased Silicon content								
CLASSIFICATION	AWS	A 5.9: ~ER318							
	EN ISO	14343-A: W 19 12 3 Nb Si							
	W.Nr.	1.4576							
	F-nr	6							
	FM	5							
SUITABLE FOR	1.4301, 1.4306, 1.4401, 1.4404, 1.4408, 1.4420, 1.4435, 1.4436, 1.4541, 1.4550, 1.4571, 1.4573, 1.4580, 1.4581, 1.4583 X 6 CrNiMoTi 17 12 2, X10 CrNiMoTi 18 12, X 6 CrNiMoNb 17 12 2, G-X 5 CrNiMoNb 18 10, X 10 CrNiMoNb 18 12, X 5 CrNiMo 18 11, X 2 CrNiMo 17 13 2, G-X 2 CrNiMo 18 10, X 2 CrNiMo 18 14 3, X 5 CrNiMo 17 12 2, G-X 6 CrNiMo 18 10, X 5 CrNiMo 17 13 3 UNS S31600, S31603, S31635, S31640, S31653, AISI 316, 316L, 316Ti, 316Cb								
APPROVALS	TÜV: (12391), CE, DB: (43.206.03)								
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF  PG								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	Nb
	0.05	1	2	0.01	0.01	19	13	2.8	0.6
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness		
					RT	-60°C			
	As Welded	460	615	35	100	70	HRc		
REDRYING	Not required								
GAS ACC. EN ISO 14175	I1								



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318SI TIG 0,8 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415189
318SI TIG 1,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415172
318SI TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415196
318SI TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415202
318SI TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415226
318SI TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415233
318SI TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415240