



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							
	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 (TÜV (12391.00)) CE DB (DB (43.206.03))								
WELDING POSITIONS	PAPBPCPDPEPFPG								
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
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V				
	As Welded /	460	615	35	RT		-60°C		
					100		70		
REDRYING TEMPERATURE	Not required								
GAS ACCORDING EN 14175	I1								



CEWELD 318Si Tig

318SI TIG 0,8 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415189

318SI TIG 1,0 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415172

318SI TIG 1,6 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415196

318SI TIG 2,0 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415202

318SI TIG 2,4 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415226

318SI TIG 3,2 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415233

318SI TIG 4,0 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415240