CEWELD 318Si Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid stabilized stainless steel TIG rod with high Mo content

TOEPASSINGEN

Constructions in chemical industries like apparatus and vessels up to working temperatures of approximately 120 °C up to 400 °C.

EIGENSCHAPPEN

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

CLASSIFICATIE

AWS	A 5.9: ER318
EN ISO	14343-A: W 19 12 3 Nb Si
F-nr	6
FM	5

GESCHIKT VOOR

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

GOEDKEURINGEN

TÜV: TÜV (12391.00), CE, DB: DB (43.206.03)

LASPOSITIES

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

MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-60°C	
As Welded	460	615	35	100	70	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

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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