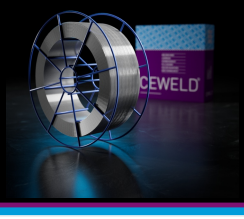


CEWELD 318Si

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid stabilized stainless steel welding wire 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: G 19 12 3 Nb Si
W.Nr.	1.4576
F-nr	6
FM	5

GESCHIKT VOOR

ISO 15608: 8.1 Austenitic ≤ 19 % Cr
1.4301, 1.4306, 1.4401, 1.4404, 1.4408, 1.4420, 1.4435, 1.4436, 1.4541, 1.4550, 1.4571, 1.4573, 1.4579, 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, X6CrNiMoTi17-12-2S
UNS S31600, S31603, S31635, S31640, S31653,
AISI 316, 316L, 316Ti, 316Cb

GOEDKEURINGEN

TÜV: (12390), CE, DB: (43.206.03)

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo	Nb
0.07	0.5	2	19	12.5	2.8	0.5

MECHANISCHE WAARDEN

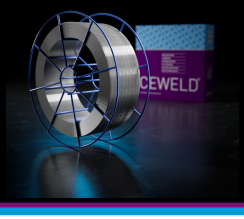
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-60°C	
As Welded	460	615	35	100	70	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

M13, M12



CEWELD 318Si

certilas® THE FILLER METAL SPECIALIST

318SI 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415103
D-200	5	8720663415110

318SI 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415127
D-200	5	8720663415141
Drum	250	8720663415134

318SI 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415158

318SI 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415165