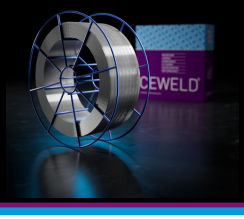


CEWELD 316LSi

certilas® THE FILLER METAL SPECIALIST

TYPE

Stainless steel Mig/Mag wire for GMAW welding 316 type.(1.4430, 19 12 3LSi)

APPLICATIONS

The alloy is widely used in the chemical and food-processing industries, as well as in shipbuilding and various types of architectural structure.

PROPERTIES

CEWELD® 316LSi offers good general corrosion resistance, particularly to corrosion in acid and chlorinated environments. The alloy has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. The higher silicon content improves the welding properties such as wetting and results in a bright seam.

CLASSIFICATION

AWS	A 5.9: ER316LSi
EN ISO	14343-A: G 19 12 3 LSi
W.Nr.	1.4430
F-nr	6
FM	5

SUITABLE FOR

ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30,
1.4583, 1.4435, 1.4436, 1.4404, 1.4406, 1.4408, 1.4401, 1.4571, 1.4580, 1.4406, 1.4521, 1.4301, 1.4306, 1.4430
X102CrNiMoNb 18 12, X2CrNiMo 18 14 3 (TP), X4CrNiMo 17 13 3, X2CrNiMo 17 12 2 (TP), X 5CrNiMo 19 11 2, X4CrNiMo 17 12 2 (TP), X6CrNiMo 17 12 2, X6CrNiMoNb 17 12 3, X2CrNiMoN 17 12 3 (TP), X2CrMoTi18-2
316Cb, 316L, 316L, 316LN, 316H, 316, 316Ti, 316Cb, 316LN, 444
S31640, S31603, S31653, S31600, S31630, S44400

APPROVALS

TÜV: 12388.00, CE, DB: 43.206.04

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	Cr	Ni	Mo
0.02	0.8	1.5	19	12	2.8

MECHANICAL PROPERTIES

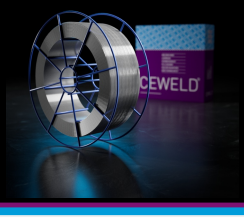
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-196°C	
As Welded	418	550	37	110	38	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

M11, M13, M12



CEWELD 316LSi

316LSI 0,6MM

Packaging	KG/unit	EanCode
D-200	5	8720663413376
D-300	12,5	8720663413383

316LSI 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413444
D-100	1	8720663413390
D-200	5	8720663413406
Drum	250	8720663413468

316LSI 0,9MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413369

316LSI 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413451
D-100	1	8720663413420
D-200	5	8720663413413
Drum	250	8720663413475

316LSI 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413482
D-200	5	8720663415394
Drum	250	8720663413550

316LSI 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413499

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