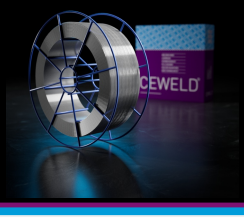


CEWELD 316LSi

certilas® THE FILLER METAL SPECIALIST

TYPE

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

APPLICATIONS

CEWELD® 316LSi is designed for the joining and surfacing of similar and closely related austenitic (CrNiMo) steels and cast steel grades.
This alloy is widely used in the chemical and food processing industries, as well as in shipbuilding and various types of architectural structures.

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
1.4301, 1.4306, 1.4401, 1.4404, 1.4406, 1.4408, 1.4430, 1.4435, 1.4436, 1.4521, 1.4571, 1.4580, 1.4583
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), 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

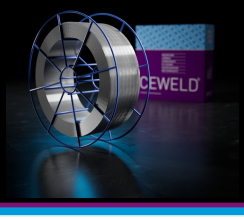
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-196°C	
As Welded	418	550	37	110	50	HRc

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