



CEWELD 316LSi

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
F-nr	6
FM	5
W.Nr.	1.4430

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

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V	
				RT	-196°C
As Welded /	418	550	37	110	38

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175 M11, M13, M12



CEWELD 316LSi

316LSi 0,6MM

Type	KG/unit	EANCode
D-200	5	8720663413376
D-300	12,5	8720663413383

316LSi 0,8MM

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

316LSi 0,9MM

Type	KG/unit	EANCode
BS-300	15	8720663413369

316LSi 1,0MM

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

316LSi 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663413482
D-200	5	8720663415394
Drum	250	8720663413550

316LSi 1,6MM

Type	KG/unit	EANCode
BS-300	15	8720663413499