CEWELD 316LSi Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Stainless steel Tig welding wire (rod) for GTAW welding CrNiMo 316 steels. (Type 1.4430, 19 12 3 LSi)

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 Tig 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: W 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: (12389), CE, DB: (43.206.04)

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.8	1.8	0.01	0.01	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	450	580	37	120	52	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1

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316LSI TIG 0,8 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414854

316LSI TIG 1,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414892
Tube	5	8720663414861

316LSI TIG 1,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414939
Tube	5	8720663414908

316LSI TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414946

316LSI TIG 1,6 X 500MM

Packaging	KG/unit	EanCode
Tube	5	8720663414960

316LSI TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663414991

316LSI TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663415035

316LSI TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663415073

316LSI TIG 4,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663415097