CEWELD 316L Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid stainless steel filler metal with excelent resistance against general corrosion.(Type 19 12 3L, 1.4430)

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

Stainless steel with excellent resistance to intercrystallin corrosion and wet corrosion up to 350°C (662 °F). Corrosion-resistance is similar to low-carbon CrNiMo steels/cast steel grades

CLASSIFICATION

AWS	A 5.9: ER316L
EN ISO	14343-A: W 19 12 3 L
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
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

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.5	1.5	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	440	610	35	120	45	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1

CEWELD 316L Tig

316L TIG 1,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413642

316L TIG 1,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413659

316L TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413666

316L TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413673

316L TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413680

316L TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413697