



# CEWELD 316L Tig

**TYPE** Solid stainless steel filler metal with excellent 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	Rp0,2 (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