



CEWELD 316L

TYPE	Solid stainless steel welding wire (AISI 316). (Type 19 12 3 L, 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	316L offers good general corrosion resistance, particularly to corrosion in acid and chlorinated environments.						
CLASSIFICATION	AWS	A 5.9: ER316L					
	EN ISO	14343-A: G 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	CE						
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	
	0.02	0.5	1.5	19	12	2.8	
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness
	As Welded	430	590	35	RT	-196°C	HRC
					100	45	
REDRYING	Not required						
GAS ACC. EN ISO 14175	M11, M13, M12						



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316L 0,8MM

Packaging	KG/unit	EanCode
D-200	5	8720682050071

316L 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413543

316L 2,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413598