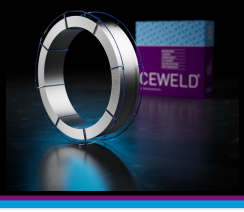


CEWELD SA 317L

certilas® THE FILLER METAL SPECIALIST

TYPE

Stainless steel SAW welding wire with excelent corosion properties against acid chloride containing environments.

APPLICATIONS

For SAW welding stabilized and un-stabilized CrNiMo(N) type of steels with high corrosion resistance. Also suitable for dissimilar welds between steel and stainless steel or dissimilar stainless steels. 317L has good resistance to general corrosion and pitting due to its high content of molybdenum. The alloy is used in severe corrosion conditions such as in the petrochemical, pulp, cotton and paper industries.

PROPERTIES

Austenitic, non magnetic stainless steel alloy with high mechanical properties and excellent weldability, corrosion resistance is better than AISI 316 due to the high Mo. content and also offers excellent corrosion resistance against delude hot acids. Suitable for use up to 400°C. SA 317L is best to be used in combination with FL 838

CLASSIFICATION

AWS	A 5.9: ER317L
EN ISO	14343-A: G 18 15 3 L
W.Nr.	1.4438
F-nr	6
FM	5

SUITABLE FOR

Designed for joining corrosion resistant CrNiMoN steel as well as for austenitic-ferritic joints.
ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 26, 27, 28
1.4429, 1.4434, 1.4435, 1.4436, 1.4438, 1.4439, 1.4453, 1.4583,
X2CrNiMoN 17 13 5, X2CrNiMoN 17 13 3, X2CrNiMo 18 15 4, X10CrNiMoNb 18 12, X2CrNiMoN17-13-3, X2CrNiMoN18-12-4, X2CrNiMo18-14-3, X3CrNiMnMoN19-16
UNS S31600, S31653, S31703, S31726, S31753
AISI 316Cb, 316L, 316LN, 317L, 317LN, 317LMN

APPROVALS

CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.55	2	0.02	0.01	19.5	14	3.5

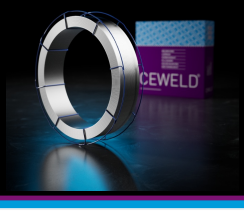
MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
As Welded	390	530	33	70	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175



CEWELD SA 317L

SA 317L 2,4MM

Packaging	KG/unit	EanCode
K-415	25	8720663415288

SA 317L 3,2MM

Packaging	KG/unit	EanCode
K-415	25	8720663415318