

CEWELD SA 317L

TYPE Stainless steel SAW welding wire with excellent corrosion 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 dilute 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
F-nr	6
FM	5
W.Nr.	1.4438

SUITABLE FOR 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 (%)

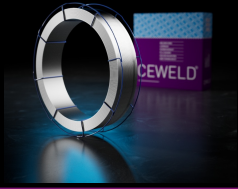
C	Si	Mn	P	S	Cr	Ni	Mo
0.02	0.55	2	0.02	0.01	19.5	14	3.5

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R _{P0.2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V RT
As Welded /	390	530	33	70

REDRYING TEMPERATURE Not required

GAS ACCORDING EN 14175



CEWELD SA 317L

SA 317L 2,4MM

Type	KG/unit	EANCode
K-415	25	8720663415288

SA 317L 3,2MM

Type	KG/unit	EANCode
K-415	25	8720663415318