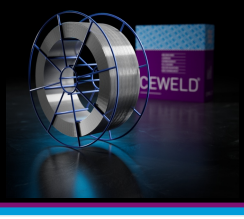


CEWELD 317L

certilas® THE FILLER METAL SPECIALIST

TYPE

Solid Mag stainless steel welding wire with high Molybdenium content.

APPLICATIONS

CEWELD® 317L is suitable for welding stabilized and non-stabilized CrNiMo(N) steels of the 18Cr-14Ni-3Mo type with high corrosion resistance. It is also suitable for mixed welds between steel and stainless steel or dissimilar stainless steels. CEWELD® 317L is used in difficult corrosion conditions, for example in the petrochemical, pulp, cotton, and paper industries.

PROPERTIES

CEWELD® 317L has good resistance to general corrosion and pitting due to its high molybdenum content.
It is made from a non-magnetic stainless steel alloy that is characterized by high mechanical properties and excellent weldability. Its corrosion resistance is better than that of 316 types due to its increased alloy content. It is suitable for use up to 400 °C.
Due to its low carbon content, CEWELD® 317L is particularly recommended when there is a risk of intergranular corrosion.
The microstructure is austenitic with 5 to 10% ferrite.

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

ISO 15608: 8.1 Austenitic ≤ 19 % Cr
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, J92999
AISI 316Cb, 316LN, 317LN, 317L, A351 CG8M, CG3M

APPROVALS

CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo	Cu
0.01	0.45	1.4	0.02	0.01	18.8	13.6	3.5	0.12

MECHANICAL PROPERTIES

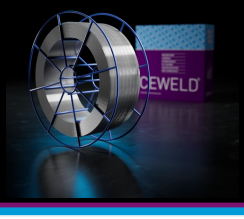
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness
				RT	-40°C	
As Welded	465	550	35	128	70	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

M13, M12



CEWELD 317L

317L 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415257

317L 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720682051221

317L 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415264

317L 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415271