CEWELD®

317L Tig

CATEGORY GMAW-GTAW Solid wires

TYPE Solid stainless steel Tig welding wire with high Molybdenium content.

APPLICATIONS For 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 has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. 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 weldabillity,

corrosion resistance is better than AISI 316 due to the high Mo. content. Suitable for use up to 400°C

A 5.9: ER 317L CLASSIFICATION AWS

> EN ISO 14343-A: WZ 19 14 4 L

14343-B: SS 317L

DIN: W.Nr. 1.4453

8556: SG-X2CrNiMo 19 14 4 DIN

SUITABLE FOR 1.4439, 1.4429, 1.4438, 1.4583, X2CrNiMoN 17 13 5, X2CrNiMoN 17 13 3, X2CrNiMo 18 15 4, X10CrNiMoNb

18 12, 317LN, (TP)316LN, 317L, non magnetic, ferrite free.

APPROVALS CE approved

WELDING POSITIONS:



WELD DEPOSIT ANALYSIS

С	Mn	Si	Cr	Ni	Мо	N
0.03	3.5	0.3	18.5	13.5	4.5	0.12

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	lm	pact Energy (J) ISC)-V	Hardness
Treatment	(N/mm ²)	(N/mm ²)	(%)	+20°C	-40°C	-60°C	HRc / HV
AW	>380	>580	>35	>90			

AW: as welded

WELDING PARAMETERS / PACKING

Welding Parameters			Packing (kg)		
D (mm)		Current (A) DC-	single	master	
1.6 × 1000		50-80	5	25	
2.0 x 1000		70-110	5	25	
2.4 x 1000		110-180	5	25	
3.2 x 1000		150-250	5	25	

REDRYING TEMPERATURE not required

GAS ACC. EN ISO 14175: