CEWELD®

317L Tig

CLASSIFICATION

CATEGORY GMAW-GTAW Solid wires

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

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.

Austenitic, non magnetic stainless steel alloy with high mechanical properties and excellent weldabillity, **PROPERTIES**

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

AWS

EN ISO 14343-A: WZ 19 14 4 L

14343-B: SS 317L DIN: W.Nr. 1.4453

DIN 8556: SG-X2CrNiMo 19 14 4

A 5.9: ER 317L

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	lmį	pact Energy (J) IS	O-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

	Packing (kg)		
D (mm)	Current (A) DC-	single	master
1.6 x 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: