CEWELD[®]

317L

GMAW-GTAW Solid wires							
Solid Mag stainless steel welding wire with high Molybdenium content.							
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, corrosion resistance is better than AISI 316 due to the high Mo. content. Suitable for use up to 400°C							
AWS A 5.9: ER 317L EN ISO 14343-A: G 19 14 4 L DIN: W.Nr. 1.4453 DIN 8556: SG-X2CrNiMo 19 14 4							
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.							
CE approved							

C Mn Si Cr Ni Mo N 0.03 3.5 0.3 18.5 13.5 4.5 0.12

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	Impact Energy (J) ISO-V			Hardness
Treatment	(N/mm ²)	(N/mm ²)	(%)	+20°C	-40°C	-60°C	HRc / HV
AW	>320	>580	>35	>65			

AW: as welded

WELDING PARAMETERS / PACKING

	Welding Parameters	S	Packing			
D (mm)	Voltage (V)	Current (A)	spool type	kg / spool	kg / pallet	
0,8	16-22	50-140	K-300	15	1080	
1,0	16-24	80-190	K-300	15	1080	
1.2	20-28	180-280	K-300	15	1080	
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REDRYING TEMPER	ATURE not required					
GAS ACC. EN ISO						