

MIG-MAG Wires Stainless and Heat resistant steels

Inertfil 308L is a stainless steel solid wire similar to ER 308L suitable for welding austenitic stainless steels such as AISI 304 and AISI 304L. Excellent corrosion resistance and good mechanical properties.

Classification	
AWS	A5.9: ER 308L
EN	12072: G 19 9L

Approvals	Grades
DB	
TÜV	

see Appendix, Classification Society Approvals, for details pag. 521

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.02	1.80	0.45	≤ 0.025	≤ 0.020	20	10	0.20	-	-	-	5-10

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J) 20°C	Hardness
As Welded	≥ 350	≥ 520	≥ 35	≥ 47	-

Gas test: Acc. To EN 439: M13(Cargal1)

Shielding Gas: Acc. To EN 439: M13(Cargal1)

Materials

1.4541 (X6CrNiTi18-10); 1.4301 (X4CrNi18-10); 1.4311 (X2CrNiN18-10)

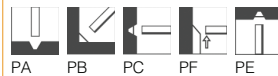
AISI 304 - 304L - 302

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



Packaging data: BS300 Kg. 15

Diameters	0,8	1,0	1,2	1,6		
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