

## MIG-MAG Wires Stainless and Heat resistant steels

Inertfil 308LSi is a stainless steel solid wire similar to ER 308LSi suitable for welding austenitic stainless steels such as AISI 304 and AISI 304L. Excellent corrosion resistance and good mechanical properties. Si ~ 0,85% content improves weldability and bead appearance.

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

Approvals	Grades
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	0.85	≤ 0.025	≤ 0.020	20	10	0.20	-	-	-	5-10

### All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	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	0,6	0,8	1,0	1,2	1,6