

INERTROD 308L

TIG Rods Stainless and Heat resistant steels

Inertrod 308L is a stainless TIG rod similar in composition to ER 308L suitable for welding austenitic stainless steels such as AISI 304 and 304L. Excellent corrosion resistance and mechanical properties.

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

Approvals	Grades
DB	
MMI	
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) -196°C	Hardness
As Welded	≥ 350	≥ 520	≥ 35	≥ 60	-

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Materials

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

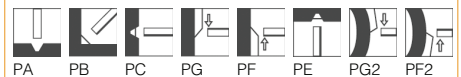
AISI 304 - 304L - 302

Storage

Keep dry and avoid condensation

Current condition and welding position

DC-



Packaging data: Tube 5 kg

Diameters (L: 1000 mm)	1,0	1,2	1,6	2,0	2,4	3,2
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Further forms of delivery on request.