

# INERTROD 308H

## TIG Rods Stainless and Heat resistant steels

Inertrod 308H is a stainless TIG rod of similar composition to ER 308H suitable for welding austenitic stainless steels such as AISI 304H. Excellent mechanical properties.

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

Approvals	Grades

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.06	1.90	0.50	≤ 0.030	≤ 0.020	20	10.50	-	-	-	-	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	≥ 550	≥ 35	≥ 47	-

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

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







### Materials

AISI 304H; 1.4948 (X6CrNi18-10); 1.4310 (X10CrNi18-8)

### Storage

Keep dry and avoid condensation

### Current condition and welding position

DC-							
							
PA	PB	PC	PG	PF	PE	PG2	PF2

**Packaging data:** Tube 5 kg

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