

# INERTROD 310

## TIG Rods Stainless and Heat resistant steels

Inertrod 310 is a stainless TIG rod conforming to ER 310 with 25% Cr and 20% Ni. Suitable for welding steels with similar chemical compositions or dissimilar steels. The weld deposit is fully austenitic. Excellent high temperature corrosion resistance.

Classification	
AWS	A5.9: ER 310
EN	12072: W 25 20

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.12	1.80	0.60	≤ 0.030	≤ 0.020	26	21	0.30	-	-	-	-

### 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	≥ 30	≥ 47	-

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

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

### Materials

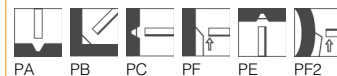
AISI 310; 1.4845 (X8CrNi25-21); 1.4841 (X15CrNiSi25-21); 1.4828 (X15CrNiSi20-12)

### Storage

Keep dry and avoid condensation

### Current condition and welding position

DC-



**Packaging data:** Tube 5 kg

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