

INERTROD 410L

TIG Rods Stainless and Heat resistant steels

Inertrod 410L is a TIG rod suitable for welding 12% Cr steels (AISI 410).

Classification	
AWS	A5.9: ER 410
EN	12072: W 13L

Approvals	Grades

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.03	0.40	0.50	≤ 0.030	≤ 0.030	13.50	-	-	-	-	-	-

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
PWHT 750°C x 1h	≥ 350	≥ 450	≥ 20	≥ 47	-

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

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

Materials







1.4000 (X6Cr13); 1.4006 (X12Cr13)

AISI 410

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)	1,6	2,0	2,4			

Further forms of delivery on request.