

## TIG Rods Nickel and Copper alloys

Nirod 600 is a nichel alloy TIG rod for welding Inconel 600 or Incoloy 800 alloys. Nirod 600 is also suitable for welding dissimilar or difficult to weld steels. Excellent mechanical properties and corrosion resistance.

Classification	
AWS	A5.14: ER NiCr 3
EN	18274: S Ni 6082

Approvals	Grades

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Fe	W	Cu
0.05	3	0.30	≤ 0.030	≤ 0.015	20	67	-	2	2	-	-

### 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) -196°C	Hardness
As Welded	≥ 380	≥ 550	≥ 25	≥ 55	-

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

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

### Materials







2.4816; 1.4876; 1.4958

UNS N06600; UNS N08800; UNS N08810

### Storage

Keep dry and avoid condensation

### Current condition and welding position

DC-					
					
PA	PB	PC	PF	PE	PF2

**Packaging data:** Tube 5 kg

Diameters (L: 1000 mm)	1,2	1,6	2,0	2,4		

Further forms of delivery on request.