

# INERTROD 20.16L

## TIG Rods Stainless and Heat resistant steels

Inertrod 20.16L is a stainless steel TIG wire with the composition of ER 316L with N. Good mechanical properties and resistance to chemical corrosion, suitable for welding or hardfacing stainless steels and 5% Ni steels.

Classification	
DIN	8556: SG-X2CrNiMnMoN 20 16
EN	12072: W 20 16 3 Mn N L

Approvals	Grades

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

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	Cu	N	Ferrite
0.02	7	0.90	≤ 0.020	≤ 0.020	20	17	3	-	-	0.15	-

### 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) -120°C	Hardness
As Welded	≥ 450	≥ 580	≥ 38	≥ 47	-

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

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







### Materials

X2CrNiMoN17-13-3 (1.4429)

X2CrNiMoN18-14-3 (1.3952); X2CrNiMo18-14-3 (1.4435)

### Storage

### Current condition and welding position

DC-					
					
PA	PB	PC	PG	PF	PF2

### Packaging data:

Diameters (L: 1000 mm)	1,6	2,0	2,4	3,0		

Further forms of delivery on request.