

INERTFIL 20.16L

MIG-MAG Wires Stainless and Heat resistant steels

Inertfil 20.16L is a stainless steel solid 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	
EN	12072: G 20 16 3 Mn N L

Approvals	Grades
RINA	

see Appendix, Classification Society Approvals, for details pag. 521

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 ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J) -120°C	Hardness
As Welded	≥ 450	≥ 580	≥ 38	≥ 47	-

Gas test: Acc. To EN 439: M13(Cargal1)

Shielding Gas: Acc. To EN 439: M13(Cargal1) or M12(Arcal 12)

Materials

X2CrNiMoN17-13-3 (1.4429)

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

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+



PA PB PC PF PE

Packaging data: BS300 Kg. 15

Diameters	1,0	1,2				
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