SIFTIG 316L
Stainless Steel TIG Rod

SIFTIG 316L is a molybdenum-bearing austenitic stainless steel TIG filler rod with low carbon content.

It deposits a low-carbon Cr~19%; Ni~12%; Mo~2.6% weld metal, specifically designed for welding 316 and 316L stainless steels. The low carbon level reduces the risk of intergranular corrosion, particularly in welded structures.

The weld metal provides excellent resistance to pitting and crevice corrosion, especially in environments containing chlorides and non-oxidising acids.

Positions



For use in all positions, except vertical down.

Current DC=-
Shielding Gas Pure Argon / ArH^2

Typical Weld Metal Composition

C	0.022%	Si	0.4%	Mn	1.72%
Ni	11.24%	Cr	18.12%	Mo	2.59%

Typical Mechanical Properties

Melting Point	1440°C
Ultimate Tensile Strength	650N/mm^2
Hardness	180

Available Formats

Dia.	5kg
0.8mm	RO210850
1.0mm	RO211050
1.2mm	RO211250
1.6mm	RO211650
2.4mm	RO212450
3.2mm	RO213250

Standards

EN ISO 14343-A: W 19 12 3 L
AWS A5.9: ER316L
(BS 2901 316S92)

CE