

PRODUCT INFORMATION

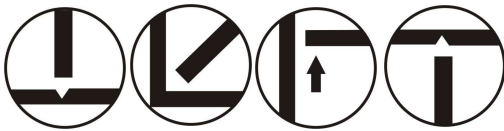
SIFSTEEL STAINLESS 316L

EN ISO 14343: 19 12 3 L,
BS: 2901 316S92
AWS A 5.9: ER 316L

DESCRIPTION

A molybdenum bearing, stainless steel filler rod with low carbon content. It is corrosion resistant for welding molybdenum bearing austenitic stainless steels.

WELDING POSITIONS



A solid wire for depositing a low C -19% Cr -12% Ni -2.8% Mo weld metal for the welding of 316 and 316L stainless steels.

TYPICAL WELD METAL COMPOSITION

C	0.02 %
Si	0.4 %
Mn	1.5 %
Ni	12 %
Cr	19 %
Mo	2 %

TYPICAL MECHANICAL PROPERTIES

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

MATERIAL TO BE WELDED

The wire is used for a range of applications including the fabrication of pipe and plate. The weld metal provides good resistance to pitting corrosion and crevice corrosion by non-oxidising acids. Intended for applications where service temperatures do not exceed 400 °C.

AVAILABLE FORMATS

1M ROD (TIG / GTAW)			
Dia	1kg Pkt	2.5kg Ctn	5.0kg Ctn
0.8mm	RO210801	RO210825	
1.0mm	RO211001	RO211025	RO211050
1.2mm	RO211201	RO211225	RO211250
1.6mm	RO211601	RO211625	RO211650
2.4mm	RO212401	RO212425	RO212450
3.2mm	RO213201	RO213225	RO213250

WELDING CURRENT		
Wire size	Amps	Tungsten, Thoriated
1.6	80-150	1.6
2.4	150-250	2.4
3.2	200-375	3.2

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email service@wholeweld.co.uk



Doc Ref : SIF/PI/RO210801