

## PRODUCT INFORMATION

### SIFMIG 316LSI

EN ISO 14343: 19 12 3 LSi,  
BS: 2901 316 S93  
AWS A5.9: ER 316LSi

### DESCRIPTION

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

### WELDING POSITIONS



SIFMIG 316LSi is our solid wire for MAG welding low carbon 17Cr12Ni3Mo austenitic acid resistant stainless steel grades like AISI 316, 316L.

### TYPICAL WELD METAL COMPOSITION

C	0.02 %
Si	0.8 %
Mn	1.5 %
Ni	12 %
Cr	19 %
Mo	2 %

### TYPICAL MECHANICAL PROPERTIES

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

### MATERIAL TO BE WELDED

Universal in applications but typical for all industries where superior corrosion resistance is required: textile industry, paper mills, chemical industry, cellulose industry etc., resistance to general and intergranular corrosion (up to 400°C), good resistance to hot cracking. Base materials to be welded: ASTM/AISI Gr. 316, 316L, 316LN, 316Cb, 316Ti. WNr 1.4583, 1.4435, 1.4436, 1.4404, 1.4401, 1.4571, 1.4580, 1.4406\*, 1.4429\* \*without postweld quenching CrNiMo 17 12 3 and similar stainless grades.

### AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia	0.7kg	3.75kg	12.5/15kg
0.6mm	WO210607	WO210640	WO210612
0.8mm	WO210807	WO210840	WO210815
1.0mm	WO211007	WO211040	WO211015
1.2mm	WO211207	WO211240	WO211215

Current :	DC = +
Shielding Gas :	M13, ArCO <sub>2</sub>

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email [service@wholeweld.co.uk](mailto:service@wholeweld.co.uk)



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