SIFMIG 316LSi
Stainless Steel MIG Wire

A Molybdenum-bearing stainless steel with low-carbon content, offering excellent corrosion resistance for welding molybdenum-bearing austenitic stainless steels.

It is universally applicable, typically used in industries where superior corrosion resistance is required, such as the textile industry, paper mills, chemical industry, and cellulose production. It provides resistance to general and intergranular corrosion (up to 400°C) and offers good resistance to hot cracking. SIFMIG 316LSi Stainless Steel MIG Wire is our solid wire for MAG welding low-carbon 17Cr12Ni3Mo austenitic, acid-resistant stainless steel grades such as AISI 316 and 316L.

Base materials to be welded: ASTM/AISI grades 316, 316L, 316LN, 316Cb, 316Ti; WNr 1.4583, 1.4435, 1.4436, 1.4401, 1.4571, 1.4580, 1.4406*, 1.4429*; CrNiMo 17-12-3 and similar stainless steel grades.

**Without post-weld quenching.*

Positions



For use in all positions.

Current DC=+
Shielding Gas M13 $ArCO_2$

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
Ultimate Tensile Strength	650N/mm²
Hardness	180

Available Formats

Dia.	1kg	5kg	12.5kg/15kg
0.6mm	WO210610	WO210650	WO210612
0.8mm	WO210810	WO210850	WO210815
1.0mm	WO211010	WO211050	WO211015
1.2mm	WO211210	WO211250	WO211215

Standards

EN ISO 14343-A: G 19 12 3 LSi
AWS A5.9 ER 316LSi
(BS 2901 316 S93)

CE