

PRODUCT INFORMATION

SIFMIG 309LSi

EN ISO 14343: 23 12 LSi,
AWS A5.9: ER 309LSi
BS: 2901 309 S93

DESCRIPTION

This stainless steel wire contains higher chromium and Nickel. It can be used for joining material of similar composition and also dissimilar stainless steels.

WELDING POSITIONS



SIFSTEEL 309LSi is our solid wire for MAG welding corrosion resistant and heat resistant CrNi steels, dissimilar metals and buffering.

TYPICAL WELD METAL COMPOSITION

C	0.1 %
Si	0.4 %
Mn	1.5 %
Ni	13 %
Cr	26 %

TYPICAL MECHANICAL PROPERTIES

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

MATERIAL TO BE WELDED

Typical applications include joining high-strength steels, un- and low alloyed heat treatable steels, stainless, ferritic chromium and austenitic chrome-nickel steels, austenitic manganese steels. SIFSTEEL 309LSi is suitable for joining clad steels. The FN content (FN~16) ensures good cracking resistance.

Base materials to be welded: High strength, unalloyed and alloyed heat treatable steels; stainless, ferritic chromium and austenitic CrNi steels; austenitic manganese steels. Chemically resistant weld claddings ranging from ferritic-pearlitic steels to fine grain steels, incl. high temperature fine grain steels. Dissimilar joining.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia		3.75kg	15kg
0.8mm		WO340840	WO340815
1.0mm		WO341040	WO341015
1.2mm		WO341240	WO341215

Current :	DC = +
Shielding Gas :	M13, ArCO ₂

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



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