SIFMIG 309LSi Stainless Steel MIG Wire

This stainless steel wire contains higher levels of chromium and nickel. It can be used for joining materials of similar composition, as well as dissimilar stainless steels.

Applications include joining high-strength steels, unalloyed and low-alloy heat-treatable steels, stainless steels, ferritic chromium steels, austenitic chrome-nickel steels, and austenitic manganese steels.

SIFMIG 309LSi Stainless Steel MIG Wire is our solid wire for MAG welding corrosion-resistant and heat-resistant CrNi steels, dissimilar metals, and buffering applications. SIFMIG 309LSi Stainless Steel MIG Wire is also suitable for joining clad steels. Its ferrite number (FN 16) ensures good resistance to cracking.

It can be used for welding chemically resistant claddings, ranging from ferritic-pearlitic steels to fine-grain steels, including high-temperature fine-grain steels. It is also used as an intermediate layer on steels before hard-facing.

Positions



For use in all positions.

Current DC=+
Shielding Gas M13, $ArCO_2$

Available Formats

Dia.	5kg	15kg
0.8mm	WO340850	WO340815
1.0mm	WO341050	WO341015
1.2mm	WO341250	WO341215

Typical Weld Metal Composition

Ni 12.15%	Si 0.85%	Mn 1.96%
Cr 23.44%	Mo 0.13%	P 0.027%
Cu 0.11%	C 0.026%	

Typical Mechanical Properties

Melting Point	1440°C
Ultimate Tensile Strength	650N/mm²
Hardness	180

Standards

EN ISO 14343 23 12 LSi
AWS A5.9 ER 309LSi
(BS 2901 309 S93)

CE