SIFMIG 312
Stainless Steel MIG Wire

This is a 29/9 stainless MIG wire, suitable for difficult-to-weld steels such as manganese steels, tool steels, spring steels, and dissimilar steel grades. It offers high resistance to weld metal cracking.

Typical applications include joining hard manganese steels, spring steels, buffering, and welding dissimilar steel grades. SIFMIG 312 Stainless Steel MIG Wire is our solid wire for MAG welding, considered a problem-solver for all kinds of steel grades, including stainless and other difficult-to-weld steels. SIFMIG 312 Stainless Steel MIG Wire deposits a crack-resistant weld metal with an increased ferrite content of approximately FN 50.

Materials to be welded: High-strength, unalloyed heat-treatable steels; stainless steels; ferritic chromium and austenitic CrNi steels; austenitic manganese steels. Suitable for chemically resistant weld claddings ranging from ferritic-pearlitic steels to fine-grain steels, including high-temperature fine-grain steels.

Positions



For use in all positions.

Current DC=+
Shielding Gas M12-M13= $ArCO_2/ArO_2$

Available Formats

Dia.	15kg
0.8mm	W0350815
1.0mm	W0351015

Typical Weld Metal Composition

C 0.1%	Si 0.4%	Mn 1.7%
Ni 9%	Cr 30%	Mo 0.1%

Typical Mechanical Properties

Melting Point	1440°C
Ultimate Tensile Strength	750N/mm^2
Hardness	200

Standards

EN ISO 14343-A: G 29 9
AWS A5.9: ER312