SIFMIG ZERO SG3/G4Si1 70S-6 Copper Free Steel MIG Wire

Double-deoxidised mild steel MIG wire, free from copper coating, with increased silicon and manganese content. Designed for welding unalloyed and low-alloy mild and medium tensile steels requiring good impact toughness down to -20°C. Manufactured with a high-quality uncoppered finish for improved wire feeding and conductivity.

SIFMIG ZERO SG3/G4Si1 70S-6 Copper Free Steel MIG Wire typically provides a higher ultimate tensile strength than standard SIFMIG Zero SG2 Copper Free Steel MIG Wire. The absence of copper on the wire surface results in a cleaner weld deposit and eliminates the metallurgical risks associated with increased copper content in the weld pool.

The excellent arc stability and enhanced feedability of SIFMIG ZERO SG3/G4Si1 70S-6 Copper Free Steel MIG Wire make it ideal for robotic and automated welding processes, where welding consistency and reliability are critical to avoid defects and costly cycle interruptions. Reduced post-weld clean-up also minimises grinding. It is popular in the construction sector, wind turbine tower fabrication, and the automotive industry.

Positions



For use in all positions.

Current DC=+
Shielding Gas CO_2, ArCO_2

Available Formats

Dia.	18kg	250kg
0.8mm	WA190818	
1.0mm	WA191018	WA1910250
1.2mm	WA191218	WA1912250

Typical Weld Metal Composition

C 0.1% Si 1.0% Mn 1.75%
Cr 0.1%

Typical Mechanical Properties

Melting Point	1450°C
Ultimate Tensile Strength	550-600N/mm²
Impact Value	100J@-20°C
Elongation	24%

Standards

EN ISO 14341-A: G 42 4 M21 4Si1
AWS A5.18: ER70S-6

CE