PRODUCT INFORMATION

SIFMIG ZERO SG3

Free from Copper Coating

EN ISO 14341-A - G 42 2 C1 / 46 5 M21 4Si1
AWS A5.18: ER70S-6

DESCRIPTION

Double-deoxidised mild steel MIG wire, free from copper coating with increased silicon and manganese content for welding unalloyed and low-alloyed mild and medium tensile steels requiring good impact toughness down to -20°C. Manufactured with a high-quality uncoppered finish for improved feeding and conductivity, SIFMIG ZERO SG3 typically provides a higher ultimate tensile strength over standard SIFMIG SG2 and the absence of copper on the wire surface results in a cleaner deposit and avoids the metallurgical risks of increased copper in the weld pool. The arc-stability characteristics and improved feedability of the SIFMIG ZERO SG3 make it ideal for robotic or automated processes, where welding steadiness and uniformity are essential in order to avoid welding defects and very expensive cycle interruptions. Less post-weld clean up means less grinding.

WELDING POSITIONS

For use in all positions.

TYPICAL WELD METAL COMPOSITION

C	0.1%
Si	1.0%
Mn	1.75%

TYPICAL MECHANICAL PROPERTIES

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

MATERIAL TO BE WELDED

For use in general fabrication, construction, ship building, tanks and boilers, autobody applications, robotic and automated processes. Increased manganese and silicon to provide improved mechanical properties. Can be used on a wide variety of mild steels, structural steel, fine-grain steel, pipe steel, boiler steel and cast steel. Popular in the construction sector, wind turbine tower fabrication and car manufacturing industries.

AVAILABLE FORMATS

SPOOLED WIRE		
Dia	15kg/18kg	250kg
0.8mm	WA190815	
1.0mm	WA191018	WA1910250
1.2mm	WA191218	WA1912250

0.8mm is available on a 15kg wire basket. 1.0mm and 1.2mm diameters are available in 18kg wire baskets and 250kg drums

Shielding Gas :	CO2, ArCO2
Current :	DC=+

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@weldability-sif.com**

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