

PRODUCT INFORMATION

SIFMIG SG3

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

DESCRIPTION

Copper coated double-deoxidised mild steel MIG wire, 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 copper finish for improved feeding. Precision layer wound. SIFMIG SG3 typically provides a higher ultimate tensile strength over standard SIFMIG SG2.

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	70J @ -20°C
Elongation	24%

MATERIAL TO BE WELDED

Suitable for use in general fabrication, construction, ship building, tanks and boilers, repair and autobody applications. Comprises 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, power generation and offshore sectors.

AVAILABLE FORMATS

SPOOLED WIRE		
Dia	15kg	250kg
0.8mm	WG030815	WG0308250
1.0mm	WG031015	WG0310250
1.2mm	WG031215	WG0312250

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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