PRODUCT INFORMATION

SIFMIG 120S-G

EN ISO 16834-A G 89 4 M Mn4Ni2CrMo
AWS A 5.28 ER120S-G

DESCRIPTION

A low-alloy, copper-coated solid MIG wire with additions of Nickel, Chromium and Molybdenum, designed for welding of high-strength steels with minimum yield strength of 890 MPa and minimum tensile strength of 940 MPa. Exhibits excellent mechanical properties and good toughness characteristics at low temperatures.

WELDING POSITIONS

Suitable for use on high-strength steels, in applications such as earth moving equipment, cranes and industrial truck fabrication, and on high-strength pressure vessels and some heat treatable steels.

TYPICAL WELD METAL COMPOSITION

Cr	0.40 %
Mn	1.90 %
Mo	0.50 %
Ni	2.15 %
Si	0.80 %
Ti	0.10 %

TYPICAL MECHANICAL PROPERTIES

Impact Test (+20°C)	140 J
Tensile Strength	940 MPa
Yield Strength	890 MPa
Elongation	16%

MATERIAL TO BE WELDED

SIFMIG 120S-G can be used on high-strength parent steel grades such as API 5AL80, HY100, HY80, S890QL and BS 4360 Gr55F and is also suitable for Hystal 77, Navy Q1, Naxtra 70, QT 445, RQT 701 and Weldox 900. Mechanical properties are greatly influenced by preheat, interpass temperature, and post weld heat treatment.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia	15.0kg D300	15.0kg K300	250.0kg Tub
0.8mm	WG120815	WG120815K	WG1208250
1.0mm	WG121015	WG121015K	WG1210250
1.2mm	WG121215	WG121215K	WG1212250

Current :	DC =+
Shielding Gas :	Ar+CO2 or CO2

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email **service@wholeweld.co.uk**

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