

PRODUCT INFORMATION

SIFMIG 5183

EN ISO 18273: S Al 5183 (AlMg4.5Mn0.7)
BS: 2901: 5183

DESCRIPTION

A special aluminium alloy solid MIG wire containing 5% Magnesium and 0.75% Manganese, for improved weld strength and resistance to sea water.

WELDING POSITIONS



Ensure that parent metal surface is cleaned and fully degreased prior to welding.

TYPICAL WELD METAL COMPOSITION

Mg	5 %
Mn	0.75 %
Al	Bal

TYPICAL MECHANICAL PROPERTIES

Melting Point	640 °C
Ult Tensile Strength	275 N/mm ²
Hardness	65

MATERIAL TO BE WELDED

Can be used to weld forged and cast aluminium-manganese and aluminium-manganese alloys in applications where high tensile strengths and/or high resistance to sea water is required. Typical applications include ship building, pressure vessel fabrications and general construction. Pre-heating up to 120°C may be necessary, subject to material size and thickness. Wire brushing between passes is recommended to ensure removal of surface oxide build up.

AVAILABLE FORMATS

SPOOLED WIRE (MIG / GMAW)			
Dia			6.5kg
1.0mm			WO281065
1.2mm			WO281265

Current :	DC =+
Shielding Gas:	Argon, Argon/Helium

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

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