SIFMIG 5356
Aluminium MIG Wire

A general-purpose solid Aluminium wire with 5% Magnesium that has excellent corrosion resistance and high strength. Precision layer wound for positive uninterrupted feeding. Ideal for both semi-automated and fully-automated systems.

Suitable for welding magnesium-bearing aluminium alloys such as 5251 (N4), 5154 (N5), 5454 (N51) and also heat-treatable alloys 6063 (H9), 6061 (H_20) and 6082 (H_30). Also suitable for welding forged and cast aluminium-magnesium components, and dissimilar aluminium alloy grades containing a maximum of 5% Mg. It can also be used to weld components which are to be subsequently anodised. Pre-heating up to 120 °C may be necessary, subject to material size and thickness.

Wire brushing with a stainless brush between passes is recommended to ensure the removal of surface oxide build-up. Suitable for use on plate, pipe, tube and components. Ensure that the parent metal surface is cleaned and fully degreased before welding.

Positions



For use in all positions, except vertical down.

Current	DC=+
Shielding Gas	Pure Argon Argon/Helium

Typical Weld Metal Composition

Mg 5%	Al Bal

Typical Mechanical Properties

Melting Point	640°C
Ultimate Tensile Strength	250N/mm^2
Hardness	60

Available Formats

Dia.	0.5kg	2kg	6.5kg
0.8mm	WO270805	WO270820	WO270865
1.0mm	WO271005	WO271020	WO271065
1.2mm	WO271205	WO271220	WO271265
1.6mm			WO271665

Standards

EN ISO 18273: S Al 5356 (AlMg5)
AWS A5.10 : ER5356
(BS 2901 5356)

CE