SIFMIG 4043
Aluminium MIG Wire

An aluminium alloy with 5% silicon, giving excellent flow characteristics and penetration. Precision layer-wound for positive uninterrupted feeding. Suitable for use in gas-shielded MIG welding on both semi-automated and fully automated systems.

SIFMIG 4043 Aluminium MIG Wire is ideal for welding duralumin, cast and wrought alloys 6063 (H9), 6061 (H20) and 6082 (H30), as well as other '4 series' aluminium alloys. The resulting weld will discolour if anodised. Pre-heating up to 120 °C may be necessary, subject to material size and thickness. Wire brushing between passes is recommended to remove the build-up of surface oxides.

Ensure that the parent metal surface is cleaned and fully degreased before welding. Clean joints with a stainless steel brush.

Positions



For use in all positions, except vertical down.

Current	DC=+
Shielding Gas	Pure Argon Argon/Helium

Available Formats

Dia.	0.5kg	2kg	6.5kg
0.8mm	WO150805	WO150820	WO150865
1.0mm	WO151005	WO151020	WO151065
1.2mm	WO151205	WO151220	WO151265
1.6mm			WO151665

Typical Weld Metal Composition

Si 5% Al Bal

Typical Mechanical Properties

Melting Point	635°C
Ultimate Tensile Strength	120N/mm^2
Hardness	40

Standards

EN ISO 18273: S Al 4043 (AlSi5)
AWS A5.10 ER4043
(BS 2901 4043A)

CE