



**GMAW/GTAW ALUMINIUM ALLOYS**

**AUTOMIG 4043 / TIGFIL 4043**

4043 TYPE ALUMINIUM WIRE



**CLASSIFICATION :** EN ISO 18273

AWS A/SFA 5.10

**APPROVALS :**

S Al 4043A

ER 4043

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**KEY FEATURES :**

- Al/5Si solid wire
- Excellent feedability with consistent welding performance
- Excellent resistance to hot cracking
- Most widely used general purpose filler alloy
- Si addition improves fluidity
- Radiographic weld quality

**WELDING POSITION :**



**GMAW: DCEP**  
**GTAW: AC**

Shielding Gas	Gas Flow Rate, LPM	Stickout, mm
GMAW: Ar or Ar/He	15-22	10-20
GTAW: Ar	10-15	-

**TYPICAL APPLICATIONS :**

- Welding of wrought and cast Al alloys with Si up to 7%
- Suitable for Al-Si and Al-Mg-Si alloys
- Ship Building, Mobile Machinery
- Automotive, General Fabrication
- Welding of similar grade Al alloys in the form of pipe, plate, forging and casting

**STORAGE / HANDLING :**

Keep dry and follow handling instructions mentioned on the box

**CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt% :**

	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
Specification	4.5-6.0	0.8 max	0.3 max	0.05 max	0.05 max	0.10 max	0.20 max	Bal.

**PACKING DATA :**

Automig 4043	Ø, mm		Kg/Spool	
	1.0		7	
	1.2		7	
	1.6		7	
Tigfil 4043	Ø x L, mm	Primary Box, Kg	No. of Primary Boxes	Net Wt. of Carton, Kg
	1.6 x 1000	2	4	8
	2.0 x 1000	2	4	8
	2.4 x 1000	2	4	8

**EQUIVALENT :**

SMAW Electrode: **Albond 5 Si**