



GMAW/GTAW ALUMINIUM ALLOYS

AUTOMIG 5183 / TIGFIL 5183

5183 TYPE ALUMINIUM WIRE



CLASSIFICATION : EN ISO 18273 AWS A/SFA 5.10 **APPROVALS :**

S Al 5183 ER 5183 -

KEY FEATURES :

- Al-Mg-Mn solid wire
- Excellent feedability with consistent welding performance
- resistance corrosion and sea water
- Higher strength than the conventional 5% Mg alloy
- 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 high strength Al alloys
- Automotive, Marine application
- Structural fabrication
- Application where high strength, high impact fracture toughness and exposure to corrosive environment are important

STORAGE / HANDLING :

Keep dry and follow handling instructions mentioned on the box

CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt% :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Specification	0.40 max	0.40 max	0.10 max	0.5-1.0	4.3-5.2	0.05-0.25	0.25 max	0.15 max	Bal.

PACKING DATA :

Automig 5183	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