



TIGFIL 5183

GTAW ALUMINIUM ALLOYS

AWS A/SFA 5.10 **ER5183**

CLASSIFICATION:

EN ISO 18273

S Al 5183 (Al Mg4.5 Mn 0.7 (A))

KEY FEATURES:

- Al-Mg-Mn solid wire
- Excellent feedability with consistent welding performance
- resistance to corrosion and sea water
- Higher strength than the conventional 5% Mg alloy
- Radiographic weld quality


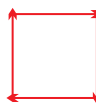
TYPICAL APPLICATIONS:

- 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

CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
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.

PARAMETERS - PACKING DATA:

Ø x L, mm	Net Wt., Kg		
1.6 x 1000	8	 AC STORAGE / HANDLING : Keep dry and follow handling instructions mentioned on the box	All Positions 
2.0 x 1000	8		
2.4 x 1000	8		

Shielding Gas	Gas Flow Rate, LPM
Ar	10-15

Available in Standard carton packing of 8 kg box, containing 4 plastic tubes of 2 kg each.