

Aluminium MIG Wire 5183

GMAW Wire, Aluminium.

Welding Characteristics Quickfire Aluminium MIG wire 5183 is high strength and precision wound for smoother feeding and consistent contact.

Application This product is used where high strength and resistance to sea water are required. It is ideally suited for ship building, offshore, cryogenic equipment, railway construction and automotive applications.

Welding Positions 

Recommended Shielding Gas ISO 14175: I3

Specifications	Classifications	AWS/ASME A5.10 ER5183
	Welding current	AS/NZS ISO 18273 S AL 5183 DC+

Chemical Composition, wt% - All Weld Metal	Fe	Al	Mn	Si	Cr	Mg	Zn	Ti	Cu	Be
Typical	0.40	Bal	0.5-1.0	0.4	0.05-0.25	4.3-5.2	0.15	0.15	0.1	<0.0008

Mechanical Properties - All Weld Metal	Typical (as welded)	
	Yield strength	125 MPa
Tensile strength	275 MPa	
Elongation	17%	

Packaging Data	6.0 kg Spool
Diameter	1.2 mm
Part No.	QF511260

Welding Parameters	Diameter	1.2 mm
	Current range (A)	120-150
	Voltage range (V)	24-29

* PLEASE NOTE:
Welding parameters are a guide only as they are dependent on the machine used, material thickness and operator experience.

WARNING Welding can give rise to electric shock, excessive noise, eye and skin burns due to the arc rays, and a potential health hazard if you breathe in the emitted fumes and gases. Read all the manufacturer's instructions to achieve the correct welding conditions and ask your employer for the Safety Data Sheets. Refer to www.boc.com.au or www.boc.co.nz