

ML5183

For aluminium

Classifications

EN ISO 18273	: S Al 5183 (AlMg4,5Mn0.7)
AWS A5.10	: ER 5183
Material No.	: 3.3548

Approvals – I1 (100% Ar)

ABS	: ER5183
BV	: ER5183
DNV	: ER5183
LR	: ER5183
KR	: ER5183
Other	: TUV

Description

- Welding wires and rods to be used when very high seawater corrosion resistance is needed

Application fields

Applications in the construction of ships, offshore, cryogenic plants, railway and in the automotive industry. Materials to be welded: AlMg4,5Mn, AlMg5, AlMg2Mn0,8, AlZnMg1, AlZnMgCu0,5, AlMgSi0,5, AlMgSi1, G-AlMg10, G-AlMg5, ,G-AlMg3Si, G-AlMg5Si

Welding positions



Polarity & shielding gas

- DCEP (DC+)
- 100% Ar

Typical chemical composition of all-weld metal (%)

Si	Fe	Cu	Mn	Mg	Zn	Be	Al	Other total	Other each
11-13	<0.8	<0.3	<0.15	<0.1	<0.20	<0.0003	Remainder	<0.15	<0.05

Typical mechanical properties of all-weld metal

Tensile Strength (MPa)	Elongation (%)
Min. 275	Min. 17

Package

Diameter (mm)	0.8, 1, 1.2, 1.6, 2, 2.4
Spool (kg)	6, 7, 18, 40
More diameters and packing upon request	