

# 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

**Polarity**

- DCEP (DC-)

**Description**

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

**Typical chemical composition of all-weld metal (%)**

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Be	Al	Other total	Other each
<0.4	<0.4	<0.10	0.5 - 1	4.3 – 5.2	0.05 – 0.25	<0.25	<0.15	<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)	1.6, 2, 2.4, 3.2, 4
Rod (kg)	5, 10
More diameters and packing upon request	