

ML5183 AlMg4,5Mn0,7(A)

Rod / Wire electrode for Aluminium

Classification	EN ISO 18273	S Al 5183 (AlMg4,5Mn0,7)
	DIN EN 1706	-
	AWS A 5-10	ER 5183
	Material No.	3.3548

Typical composition in %

Si < 0,40	Fe < 0,40	Cu < 0,10	Mn 0,50 - 1,00	Mg 4,30 - 5,20	Cr 0,05 - 0,25	Zn < 0,25
V -	Ti < 0,15	Zr -	Be < 0,0003	Al Remainder	Others total < 0,15	Other each < 0,05

Approvals	DNV-GL ABS DB TÜV Bureau Veritas KR BWB
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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

Mechanical Characteristics	Tensile Strength R _m	≥275 N/mm ²
	Elongation L=5d	17 %

Mechanical properties quoted above are approximate values, intended for guidance only. Test temperature 20°C.

Welding Position PA, PB, PC, PF

Polarity MIG =+ | WIG ~

Shielding gas DIN EN ISO 14175-I1-I2-I3

Available sizes Ø	MIG-wires [mm]	0,8 1,0 1,2 1,6 2,0 2,4
	TIG-Rods [mm]	1,6 2,0 2,4 3,2 4,0

Pack size spools S300 - 6 kg | B300 - 7kg | BS300 - 7 kg | B400 -18kg | B400 40 kg

Pack size rods TIG carton box of 5 kg or 10kg (x 1000 mm length)

MORE DIAMETERS AND PACKING UPON REQUEST