


AlMg 4.5Mn Tig

CATEGORY	GMAW-GTAW Solid wires																														
TYPE	Tig aluminium welding wire with high corrosion resistance																														
APPLICATIONS	Filler metal for Magnesium and Manganese alloyed Aluminium with a maximum Magnesium content of 5%. This alloy shows very good mechanical properties that make it ideal for applications in shipyards, in car and railway industry and constructions of reservoirs and tanks.																														
PROPERTIES	Excellent weldability and good mechanical strength combined with good corrosion resistance against seawater are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AlMg _{4,5} Mn is one of the highest grades within the range of aluminium alloys and covers a huge range of alloys. Thicker sections should be preheated (150°C) prior to welding.																														
CLASSIFICATION	AWS	A 5.10: ER 5183																													
	EN ISO	18273:S AL5183 (AlMg _{4,5} Mn0,7(A))																													
	DIN: W.Nr.	3.3548																													
	DIN	1732: SG-AlMg _{4.5} Mn																													
SUITABLE FOR	Aluminium alloys: AlMg _{4,5} Mn, AlMg ₅ , AlMg ₂ Mn0,8, AlZnMg1, AlZnMgCu0,5, AlMgSi0,5, AlMgSi1, G-AlMg10, G-AlMg5, G-AlMg3Si, G-AlMg5Si, 3.3545, 3.3547, 3.3535, 3.3555, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335, EN AW 5086, EN AW 5083, EN AW 5019, EN AW 5019, EN AW 6060, EN AW 6005A, EN AW 6082, EN AW 6061, EN AW 7020, EN AC 51300, EN AC 51400,																														
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WELDING POSITIONS:																															
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