


CEWELD AlMg 5 Tig

TYPE	Tig filler metal for welding Aluminium Magnesium alloys.												
TOEPASSINGEN	Filler metal for welding Aluminium alloys with maximum 5% Magnesium. This Magnesium alloyed Aluminium wire, thanks to its excellent corrosion resistance and its high mechanical properties is mainly used in ship yards, car and railway industry.												
EIGENSCHAPPEN	Excellent weldability and good mechanical strength combined with good corrosion resistance are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AlMg5 is one of the most popular types within the range of aluminum alloys and covers a weight range of alloys. Thicker sections should be preheated (150°C) prior to welding.												
CLASSIFICATIE	AWS A 5.10: ER5356 EN ISO 18273: S Al 5356 (AlMg5Cr(A)) F-nr 22												
GESCHIKT VOOR	Aluminium alloys: AlMg3, AlMg4, AlMg5, AlMgSi0.5, AlMgSi1; AlMgMn, AlZnMg1, G-AlMg3Si, G-AlMg5Si, G-AlMg10, AlMg1SiCu, AlMgSi0,7, AlZn4,5Mg1, AlZnMg4,5Mn, AlZn5,5Mg1, AlSi1MgMn, AlSiMg(A), 3.3545, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335, EN AW 5086, EN AW 6060, EN AW 6005A, EN AW , EN AW 6061, EN AW 7020, EN AW 7021 EN AC 51400, EN AC 51300, EN AC 51100, EN AW 5454												
GOEDKEURINGEN	CE												
LASPOSITIES													
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 16.6%;">Si</th> <th style="width: 16.6%;">Mn</th> <th style="width: 16.6%;">Cr</th> <th style="width: 16.6%;">Ti</th> <th style="width: 16.6%;">Al</th> <th style="width: 16.6%;">Mg</th> </tr> </thead> <tbody> <tr> <td>0.2</td> <td>0.1</td> <td>0.1</td> <td>0.1</td> <td>Rem.</td> <td>5</td> </tr> </tbody> </table>	Si	Mn	Cr	Ti	Al	Mg	0.2	0.1	0.1	0.1	Rem.	5
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MECHANISCHE WAARDEN	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Heat Treatment</th> <th style="width: 25%;">R_{p0,2} (MPa)</th> <th style="width: 25%;">R_m (MPa)</th> <th style="width: 25%;">A₅ (%)</th> <th style="width: 25%;">Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>127</td> <td>285</td> <td>27</td> <td>HRc</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded	127	285	27	HRc		
Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness									
As Welded	127	285	27	HRc									
HERDROGEN	Not required												
GAS ACC. EN ISO 14175	11, 13												



CEWELD ALMg 5 Tig

ALMG 5 TIG 1,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407382
ALMG 5 TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407399
ALMG 5 TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407405
ALMG 5 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407412
ALMG 5 TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407429
ALMG 5 TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407436
ALMG 5 TIG 5,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407443