


# CEWELD AlMg 5 Tig

TYPE	Tig filler metal for welding Aluminium Magnesium alloys.												
APPLICATIONS	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.												
PROPERTIES	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.												
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER5356</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 5356 (AlMg5Cr(A))</td> </tr> <tr> <td>F-nr</td> <td>22</td> </tr> </table>	AWS	A 5.10: ER5356	EN ISO	18273: S Al 5356 (AlMg5Cr(A))	F-nr	22						
AWS	A 5.10: ER5356												
EN ISO	18273: S Al 5356 (AlMg5Cr(A))												
F-nr	22												
SUITABLE FOR	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												
APPROVALS	CE												
WELDING POSITIONS													
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Si</th> <th>Mn</th> <th>Cr</th> <th>Ti</th> <th>Al</th> <th>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
Si	Mn	Cr	Ti	Al	Mg								
0.2	0.1	0.1	0.1	Rem.	5								
MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>p0,2</sub> (MPa)</th> <th>R<sub>m</sub> (MPa)</th> <th>A<sub>5</sub> (%)</th> <th>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 <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness	As Welded	127	285	27	HRc		
Heat Treatment	R <sub>p0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness									
As Welded	127	285	27	HRc									
REDRYING	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