



CEWELD AIMg 3 Tig

TYPE	TIG filler metal for welding Aluminium Magnesium alloys.								
APPLICATIONS	Suitable for base metals with maximum 3% Mg. These alloys are suitable for a big range of applications in the construction sector, in general, and in the structural industry. Widely used in ship and vessel building.								
PROPERTIES	This alloy offers excellent weldability when properly cleaned prior to welding. Heavy parts and thicker plates should be preheated (150°C), prior to welding. The alloy shows good corrosion-resistance and an excellent colour-uniformity after anodizing. CEWELD® AIMg3 Tig offers also good resistance against seawater.								
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER5754</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 5754 (AlMg3)</td> </tr> <tr> <td>F-nr</td> <td>22</td> </tr> </table>	AWS	A 5.10: ER5754	EN ISO	18273: S Al 5754 (AlMg3)	F-nr	22		
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EN ISO	18273: S Al 5754 (AlMg3)								
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SUITABLE FOR	Aluminium alloys: AlMg Mn, AlMg 3Mn, AlMg1, AlMg2, AlMg2,7Mn, AlMg3, AlMg3,5, AlMgSi0,5, AlMgSi0,8, G-AlMg3Si, 3.3315, 3.3535, 3.3206, 3.3541, EN AW 5005A, EN AW 5754, EN AW 6060, EN AC 51100, EN AW 5454, EN AW 5251								
APPROVALS	CE								
WELDING POSITIONS									
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 50%; text-align: center;">Al</th> <th style="width: 50%;"></th> <th style="width: 50%; text-align: center;">Mg</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">Rem.</td> <td style="border-left: 1px solid black;"></td> <td style="text-align: center;">3.2</td> </tr> </tbody> </table>		Al		Mg		Rem.		3.2
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ALL WELD MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Heat Treatment</th> <th style="width: 15%;">R_{p0,2} MPa</th> <th style="width: 15%;">R_m MPa</th> <th style="width: 15%;">A₅ (%)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">As Welded /</td> <td style="text-align: center;">80</td> <td style="text-align: center;">190</td> <td style="text-align: center;">20</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	As Welded /	80	190	20
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As Welded /	80	190	20						
REDRYING TEMPERATURE	Not required								
GAS ACCORDING EN 14175	I1, I3								



CEWELD ALMg 3 Tig

ALMG 3 TIG 1,6 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407313
ALMG 3 TIG 2,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407320
ALMG 3 TIG 2,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407337
ALMG 3 TIG 2,4 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407344
ALMG 3 TIG 3,2 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407351
ALMG 3 TIG 4,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407368
ALMG 3 TIG 5,0 X 1000MM	Type	KG/unit	EANCode
	Tube	5	8720663407375