



CEWELD AlMg 4.5MnZr

TYPE	Mig filler metal for welding Aluminium Magnesium alloys												
APPLICATIONS	Construction of ships, off-shore, storage tanks, railways and automotive industry.												
PROPERTIES	Special alloy for welding aluminium-magnesium basis alloys with maximum 5% Mg. Zirconium acts as grain-refiner to improve both the bending and the corrosion resistance. Applications in the construction of ships, off-shore, storage tanks, railways and automotive industry.												
CLASSIFICATION	AWS A 5.10: ER5087 EN ISO 18273: S Al 5087 (AlMg4.5MnZr(A)) W.Nr. 3.3546 F-nr 22												
SUITABLE FOR	Aluminium alloys: AlMg4.5Mn, AlZnMgCu1.5, AlMg5, AlMg3, AlMg5, AlMg2Mn0.8, AlMg2,7Mn, AlZn4,5Mg1, AlZnMg4,5Mn ,AlZn5,5Mg1, AlZn5,5Mg1,5, G-AlMg3Si, G-AlMg5Si, G-AlMg10, G-AlMgSi1, AlMgSiCu 3.3535, 3.3547, 3.3555, ~3.1325, ~3.2315, ~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><thead><tr><th>Mn</th><th>Cr</th><th>Ti</th><th>Al</th><th>Mg</th><th>Zr</th></tr></thead><tbody><tr><td>1</td><td>0.1</td><td>0.15</td><td>Rem.</td><td>4.5</td><td>0.15</td></tr></tbody></table>	Mn	Cr	Ti	Al	Mg	Zr	1	0.1	0.15	Rem.	4.5	0.15
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Heat Treatment	R _{P0,2} (MPa)	Rm (MPa)	A5 (%)	Hardness									
As Welded	140	300	20	HRc									
REDRYING	Not required												
GAS ACC. EN ISO 14175	I1, I3												