



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 (%)	Mn	Cr	Ti	Al	Mg	Zr
	1	0.1	0.15	Rem.	4.5	0.15
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness	
	As Welded	140	300	20	HRc	
REDRYING	Not required					
GAS ACC. EN ISO 14175	I1, I3					