



CEWELD AlMg 4.5MnZr Tig

TYPE	Tig filler rods for welding Aluminium Magnesium alloys										
APPLICATIONS	Construction of ships, piping, off-shore, storage tanks, railways and automotive industry.										
PROPERTIES	Special alloy for welding aluminium-magnesium based alloys with maximum 5% Mg. Zirconium added as grain refiner to improve both the bending and corrosion resistance.										
CLASSIFICATION	AWS	A 5.10: ER5087									
	EN ISO	18273: S Al 5087 (AlMg4,5MnZr(A))									
	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 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 (%)	Si	Mn	Cr	Ti	Fe	Cu	Zn	Al	Mg	Zr	Be
	0.05	0.7	0.09	0.07	0.13	0.03	0.01	Rem.	4.8	0.1	0.0001
MECHANICAL PROPERTIES	Heat Treatment			R _{P0,2} (MPa)		R _m (MPa)		A ₅ (%)		Hardness	
	As Welded			125		275		17		HRc	
REDRYING	Not required										
GAS ACC. EN ISO 14175	I1										