



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))			
	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 (%)	Mn	Cr	Al	Mg	Zr
	1	0.1	Rem.	4.5	0.15
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A5 (%)	
	As Welded /	80	190	20	
REDRYING TEMPERATURE	Not required				
GAS ACCORDING EN 14175	I1, I3				