



CEWELD AlMg 4.5MnZr

TYPE	Mig filler metal for welding Aluminium Magnesium alloys												
ANWENDUNGEN	Construction of ships, off-shore, storage tanks, railways and automotive industry.												
EIGENSCHAFTEN	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.												
KLASSIFIKATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER5087</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 5087 (AlMg4,5MnZr(A))</td> </tr> <tr> <td>W.Nr.</td> <td>3.3546</td> </tr> <tr> <td>F-nr</td> <td>22</td> </tr> </table>	AWS	A 5.10: ER5087	EN ISO	18273: S Al 5087 (AlMg4,5MnZr(A))	W.Nr.	3.3546	F-nr	22				
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EN ISO	18273: S Al 5087 (AlMg4,5MnZr(A))												
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GEEIGNET FÜR	<p>Aluminium alloys:</p> <p>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</p> <p>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</p>												
ZULASSUNGEN	CE												
SCHWEISSPOSITIONEN													
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <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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As Welded	140	300	20	HRc									
RÜCKTROCKNUNG	Not required												
GAS ACC. EN ISO 14175	I1, I3												