




# CEWELD AlMg 4.5Mn

TYPE	Mig aluminium welding wire with high corrosion resistance																
ANWENDUNGEN	Filler metal for Magnesium and Manganese alloyed Aluminium with a maximum Magnesium content of 5%. This alloy shows very good mechanical properties that make it ideal for applications in shipyards, in car and railway industry and constructions of reservoirs and tanks.																
EIGENSCHAFTEN	Excellent weldability and good mechanical strength combined with good corrosion resistance against seawater are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AlMg4,5Mn is one of the highest grades within the range of aluminum alloys and covers a weight range of alloys. Thicker sections should be preheated (150°C) prior to welding. Qualified by Lloyds for manual and (semi)automatic welding.																
KLASSIFIKATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER5183</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 5183 (AlMg4,5Mn0,7(A))</td> </tr> <tr> <td>W.Nr.</td> <td>3.3548</td> </tr> <tr> <td>F-nr</td> <td>22</td> </tr> </table>	AWS	A 5.10: ER5183	EN ISO	18273: S Al 5183 (AlMg4,5Mn0,7(A))	W.Nr.	3.3548	F-nr	22								
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GEEIGNET FÜR	<p>Aluminium alloys:</p> <p>AlMg4,5Mn, AlMg5, AlMg2Mn0,8, AlZnMg1, AlZnMgCu0,5, AlMgSi0,5, AlMgSi1,AlMgSi0,5, G-AlMg10, G-AlMg5, G-AlMg3Si, G-AlMg5Si,            3.2315, 3.3545, 3.3547, 3.3535, 3.3555, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335,            EN AW 5086, EN AW 5083, EN AW 5019, EN AW 5019, EN AW 6060, EN AW 6005A, EN AW 6082, EN AW 6061,            EN AW 7020, EN AC 51300, EN AC 51400,EN AW-6082</p>																
ZULASSUNGEN	CE, Lloyds: MATS/NTH-1043/7/1																
SCHWEISSPOSITIONEN																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">Mn</td> <td style="width: 25%;">Cr</td> <td style="width: 25%;">Ti</td> <td style="width: 25%;">Al</td> <td style="width: 25%;">Mg</td> </tr> <tr> <td>0.7</td> <td>0.1</td> <td>0.15</td> <td>Rem.</td> <td>4.5</td> </tr> </table>	Mn	Cr	Ti	Al	Mg	0.7	0.1	0.15	Rem.	4.5						
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RÜCKTROCKNUNG	Not required																
GAS ACC. EN ISO 14175	11, 13																