



CEWELD AlSi 5 Tig

TYPE	Tig aluminium welding wire alloyed with silicon														
APPLICATIONS	Tig filler metal for welding Aluminium alloys with maximum 2% alloying elements and for aluminium alloys containing up to 7% Si.(after anodizing welding will be of a dark grey colour)														
PROPERTIES	Thanks to its excellent weldability and good penetration this alloy is used mainly in construction and automotive industry. The silicon addition results in improved fluidity (wetting action), making the alloy the preferred choice of welders. The alloy is not sensitive to weld cracking and produces bright, almost smut-free welds. Not recommended for anodizing. Non-heat treatable. Thicker sections should be preheated (150°C) prior to welding.														
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.10: ER4043</td> </tr> <tr> <td>EN ISO</td> <td>18273: S Al 4043A (AlSi5(A))</td> </tr> <tr> <td>W.Nr.</td> <td>3.2245</td> </tr> <tr> <td>F-nr</td> <td>23</td> </tr> </table>	AWS	A 5.10: ER4043	EN ISO	18273: S Al 4043A (AlSi5(A))	W.Nr.	3.2245	F-nr	23						
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SUITABLE FOR	AlMgSi 0, AlSiMg (A), AlSi 1 MgMn, AlMg1SiCu, 3.3206, 3.3210, 3.2315, 3.3211, EN AW 6060, EN AW 6005A, EN AW 6082, EN AW 6061, EN AC 45000,														
APPROVALS	CE														
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>Si</th> <th>Mn</th> <th>Ti</th> <th>Fe</th> <th>Cu</th> <th>Al</th> <th>Mg</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>0.1</td> <td>0.1</td> <td>0.3</td> <td>0.2</td> <td>Rem.</td> <td>0.1</td> </tr> </tbody> </table>	Si	Mn	Ti	Fe	Cu	Al	Mg	5	0.1	0.1	0.3	0.2	Rem.	0.1
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MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R_{p0,2} (MPa)</th> <th>R_m (MPa)</th> <th>A₅ (%)</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>70</td> <td>130</td> <td>17</td> <td>HRc</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded	70	130	17	HRc				
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As Welded	70	130	17	HRc											
REDRYING	Not required														
GAS ACC. EN ISO 14175	I1, I3														



CEWELD ALSi 5 Tig

ALSI 5 TIG 0,8 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663405432
ALSI 5 TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407597
ALSI 5 TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407603
ALSI 5 TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407610
ALSI 5 TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407627
ALSI 5 TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407634
ALSI 5 TIG 5,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663407641