



CEWELD CuAl9Fe Tig

TYPE	Copper-Aluminium welding TIG rods												
APPLICATIONS	Joint welds or building up of aluminum bronze. Cladding components undergoing metal to metal wear. Joining steel to copper alloys, cast iron and or bronze.												
PROPERTIES	Special alloyed copper rods for Tig welding. The weld metal is a Cu-Al bronze. Sound, pore free deposits.												
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.7: ERCuAl-A2</td> </tr> <tr> <td>EN ISO</td> <td>24373: Cu 6180 / CuAl10Fe</td> </tr> <tr> <td>W.Nr.</td> <td>2.0937</td> </tr> <tr> <td>F-nr</td> <td>36</td> </tr> </table>	AWS	A 5.7: ERCuAl-A2	EN ISO	24373: Cu 6180 / CuAl10Fe	W.Nr.	2.0937	F-nr	36				
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EN ISO	24373: Cu 6180 / CuAl10Fe												
W.Nr.	2.0937												
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SUITABLE FOR	Suitable for seawater resistant applications. Joining steel to copper alloys, cast iron and or bronze. Excellent for metal spraying. Ship propellers, shipbuilding, pump building, shafts, guide grooves etc, UNS : C 60600 - C 61600 - C 68700, DIN : Cu Al5 - Cu Al8 - CuZn20Al2, Werkstoff Nr : 2.0916 - 2.0920 - 2.0960												
APPROVALS													
WELDING POSITIONS													
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>Si</th> <th>Fe</th> <th>Cu</th> <th>Zn</th> <th>Pb</th> <th>Al</th> </tr> </thead> <tbody> <tr> <td>0.064</td> <td>0.94</td> <td>Rem.</td> <td>0.007</td> <td>0.015</td> <td>9.21</td> </tr> </tbody> </table>	Si	Fe	Cu	Zn	Pb	Al	0.064	0.94	Rem.	0.007	0.015	9.21
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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></td> <td>500</td> <td>35</td> <td>140 HB</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness	As Welded		500	35	140 HB		
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As Welded		500	35	140 HB									
REDRYING	Not required												
GAS ACC. EN ISO 14175	11												



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CUAL9FE TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663408914
CUAL9FE TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663408945
CUAL9FE TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663408969
CUAL9FE TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663409003