



# 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>F-nr</td> <td>36</td> </tr> <tr> <td>W.Nr.</td> <td>2.0937</td> </tr> </table>	AWS	A 5.7: ERCuAl-A2	EN ISO	24373: Cu 6180 / CuAl10Fe	F-nr	36	W.Nr.	2.0937				
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EN ISO	24373: Cu 6180 / CuAl10Fe												
F-nr	36												
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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	No Approvals Found												
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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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R<sub>p0,2</sub> MPa</th> <th>R<sub>m</sub> MPa</th> <th>A<sub>5</sub> (%)</th> <th>Hardness Brinell Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td></td> <td>500</td> <td>35</td> <td>Avg. 140</td> </tr> </tbody> </table>	Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Brinell Hardness	As Welded /		500	35	Avg. 140		
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REDRYING TEMPERATURE	Not required												
GAS ACCORDING EN 14175	I1												



# CEWELD CuAl9Fe Tig

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