




CEWELD CuAl9Fe Tig

TYPE	Copper-Aluminium welding TIG rods												
ANWENDUNGEN	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.												
EIGENSCHAFTEN	Special alloyed copper rods for Tig welding. The weld metal is a Cu-Al bronze. Sound, pore free deposits.												
KLASSIFIKATION	<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				
AWS	A 5.7: ERCuAl-A2												
EN ISO	24373: Cu 6180 / CuAl10Fe												
W.Nr.	2.0937												
F-nr	36												
GEEIGNET FÜR	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												
ZULASSUNGEN													
SCHWEISSPOSITIONEN													
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 16.6%;">Si</th> <th style="width: 16.6%;">Fe</th> <th style="width: 16.6%;">Cu</th> <th style="width: 16.6%;">Zn</th> <th style="width: 16.6%;">Pb</th> <th style="width: 16.6%;">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
Si	Fe	Cu	Zn	Pb	Al								
0.064	0.94	Rem.	0.007	0.015	9.21								
MECHANISCHE GÜTEWERTE	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 33%;">Heat Treatment</th> <th style="width: 16.5%;">R_{p0,2} (MPa)</th> <th style="width: 16.5%;">R_m (MPa)</th> <th style="width: 16.5%;">A₅ (%)</th> <th style="width: 16.5%;">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		
Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness									
As Welded		500	35	140 HB									
RÜCKTROCKNUNG	Not required												
GAS ACC. EN ISO 14175	11												



CEWELD CuAl9Fe Tig

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