

QuCu81

(W.-Nr.2.0922)

is used for joining and plating of CuAl-bronzes, joining CuAl-bronzes with steel, as well as welding different materials together. Layer-welding on tools steels or cast alloys.

Plating of steels or cast iron materials.

Good sliding qualities, sea water and cavitations resistance.

Recommended for:

Cu-Al bronzes, plating cast and steel materials, as well as joining different materials.

Rework

Material- typical treatment

Material analysis in %

Al	Mn	Fe	Ni	Cu
8	2,2	2,0	2,2	Rest

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2				
0,3			X	X
0,4			X	X
0,5			X	X
0,6			X	X
0,8			X	X

(results on request)

Mechanical values of the base material (wire)

Elastic limit Rp0,2 N/mm ²	330
Tensile strength Rm N/mm ²	600
Elongation A5 %	40
hardness HB	130-150

Hardness after welding

Ø	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

(The reported values were determined by the manufacturer and / or by a neutral Laboratory determined. For the accuracy we can not guarantee)