

WIRBALIT® N

CuCr1Zr - 2.1293 - CW106C

Nominal composition:

N - wt.-% (approx. value) Cr0,65 - Zr0,08 - Cu rem.

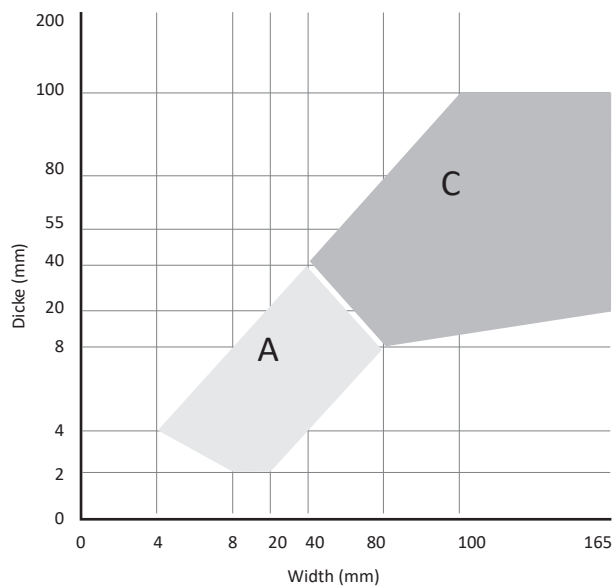
Age-hardened electrode material for spot, projection and butt welding. Suitable for carbon steels, galvanized sheet, brass, bronze and nickel. Can in certain cases be used for aluminium alloys as well.

		A	B	C
Tensile strength Rm	MPa	≥ 440	≥ 390	≥ 370
Yield strength Rp0,2	MPa	≥ 390	≥ 270	≥ 255
Elongation A	%	≥ 10	≥ 12*	≥ 18
Reduction of Area Z	%	≥ 40	≥ 40	≥ 40
Hardness HBW 2,5/62,5		135 – 170	130 – 155	120 – 150
Hardness HV30		140 – 175	135 – 160	125 – 155
Hardness HRB		71 – 85	69 – 79	65 – 77
El. conductivity	MS/m	≥ 46	≥ 46	≥ 46
El. conductivity	% IACS	≥ 80	≥ 80	≥ 80

* ≥16% for cold bending material

Shapes, sizes and tempers

Bar



Rod



Diameter (mm)



Rod



Width a/f (mm)

