

WIRBALIT® D

CuNi2,5SiCr - based on DIN 17666

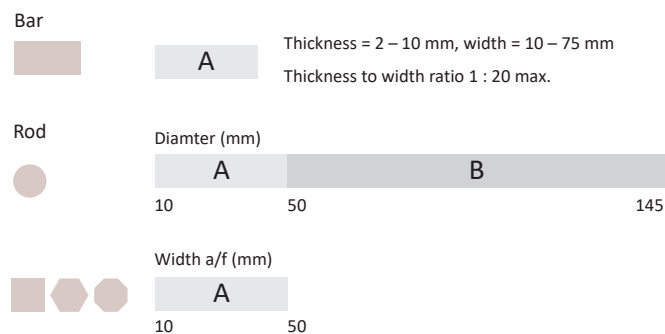
Nominal composition:

D - wt.-% (approx. value) Ni2,5 - Si0,65 - Cr0,3 - Cu rem.

A beryllium-free high-strength, age-hardened electrode material featuring a higher softening temperature and high electrical conductivity – partly serving as an alternative to WIRBALIT® B. Suitable for the resistance welding of bus conductors, for projection welding, and for consumable and butt welding electrodes. Also suitable for high-strength sections and plungers of die casting machines.

		A	B
Tensile strength Rm	MPa	≥ 660	≥ 570
Yield strength Rp0,2	MPa	≥ 570	≥ 460
Elongation A	%	≥ 10	≥ 10
Reduction of Area Z	%	≥ 25	≥ 25
Hardness HBW 2,5/62,5		≥ 185	≥ 185
Hardness HV30		≥ 195	≥ 195
Hardness HRB		≥ 90	≥ 90
El. conductivity	MS/m	≥ 26	≥ 26
El. conductivity	% IACS	≥ 45	≥ 45

Shapes, sizes and tempers



Further sizes and special grades on request.