



## Brazing alloy BrazeTec 503

### Composition (% in weight)

Ag	Cu	Zn	Sn	Si	P	Mn	Ni	Other	ISO 17672	EN 1044:1999	ISO 3677
5	55	39,85	-	0,15	-	-	-	-	Ag 205	AG 208	-

### Technical data:

Melting range (°C)	820-870
Working temperature (°C)	860
Melting range according to DSC measurement (°C)	-
Min. brazing temperature (°C)	-
Electrical conductivity (m/Ω mm <sup>2</sup> )	-
Elongation %	-
Density (g/cm <sup>3</sup> )	8,3
Shear strength (MPa)	-
Tensile strength DIN EN 12797 (MPa)	with S 235:350; with E 295:400
Operating temperature of brazed joint (min/max) ± (°C)	-

### Applications

Refrigeration, air conditioning and electrical industry, plumbing technology

### Operating conditions

Silver based brazing alloy with excellent flow, capillarity and mechanical strength characteristics. Used for brazing any steels, copper and copper alloys, as well as nickel and nickel alloys.

### Recommended fluxes

N1/T, Super 1, N2/E, H paste, RS/A, FN/E, D 98, H 280

### Heat sources

Induction heating, flame, furnace in vacuum and under protective atmosphere

### Delivery forms

Wire, rods, ribbon, rings, preforms, powder

### Notes

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