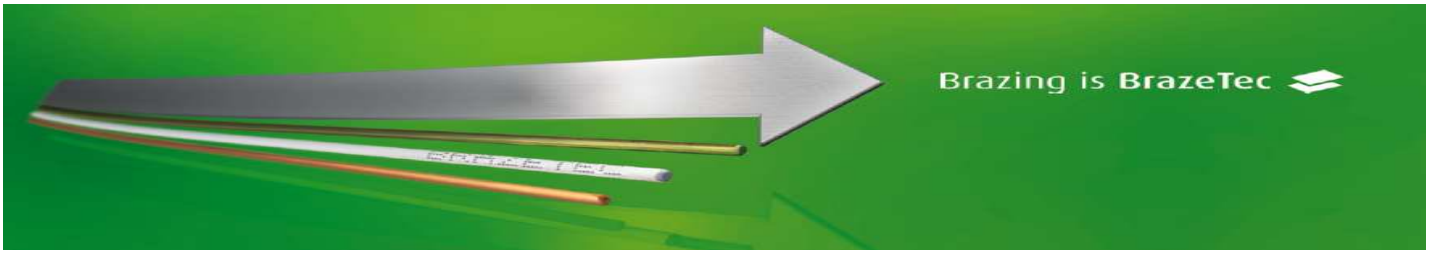
TECHNICAL DATASHEET



Brazing alloy BrazeTec 503

TD EN 503 REV. 3

Composition (% in weight)

Ag	Cu	Zn	Sn	Si	P	Mn	Ni	Other	ISO 17672:2010	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 conductibility (m/Ω mm²)	-
Elongation %	-
Density (g/cm³)	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, H sprayable, 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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Italbras S.p.A.
Strada del Balsego, 6 – 36100 Vicenza (I)
info@italbras.it - www.italbras.it -
Tel. +39 0444.3475-00 / Fax +39 0444.3475-01