

PROPERTIES AND APPLICATION OF ARGENT SILVER BRAZING ALLOYS

Specification	Chemical Composition %						Melting °C	Range	Sizes (mm)	
	Silver	Copper	Zinc	Cadmium	Nickel	Other Elements			Foil (1xt)	Wire (dia)

COPPER SILVER ALLOYS

ARGENT 62

B Cu Ag. 6	60 - 62	27.5 - 29.5	9 - 11	-	-	0.15	690	735	25 x 0.15	1.5/2.0/2.5
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Ideally suited for contacts requiring highest electrical conductivity such as in Magnetic Switches. Circuit breakers, Rectifiers, Generators, etc. It gives a close colour match on Silver.

ARGENT 51

B Cu Ag.12	49 - 51	14.5 - 16.5	13.5 - 17.5	15-17	1.5 - 3.5	0.15	632	688	25 x 0.15	1.5/2.0/2.5
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For brazing Tungsten Carbide Tool Tips to Tool Shanks-rock drills, milling cutters cutting & shaping tools etc. Suitable for brazing Stainless Steel as it has a wide wetting range and good corrosive resistance Wrist watch band etc. are conveniently brazed with it.

ARGENT 44

B Cu Ag.16	42 - 44	36 - 38	18.5 - 20.5	-	-	0.15	700	775	25 x 0.15	1.5/2.0/2.5
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It is a general purpose brazing alloy, without Cadmium, for use at high brazing temperatures. Specially used for brazing in food processing equipment.

ARGENT 44A

B Cu Ag. 16A	42 - 44	15 - 17	18 - 22	20 - 22	-	0.15	608	617	25 x 0.15	1.5/2.0/2.5
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It is essentially the single alloy used in brazing a low temperature with quick and complete penetration and neat joints of high strength that need on finishing. It is used for brazing Steel, Copper Brass, Gunmetal, Tin, Bronzes, Aluminium & Manganese Bronzes, Copper Nickel Alloy and Nickel Silver of all types.

COPPER PHOSPHORUS ALLOYS

ARGENT 2

B Cu P. 3	1.8 - 2.20	Remaining Copper	Phosphorus 6 - 7	-	-	0.15	638	694	25 x 0.15	2.0/3.2
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It has high fluidity and is suited for joining Copper and Copper Alloys specially when slightly lower tensile strength and electrical conductivity are permissible.

ARGENT 15

B Cu P. 5	14.5 - 15.5	Remaining Copper	Phosphorus 4.5 - 5.0	-	-	0.15	625	185	25 x 0.15	1.5/2.0/2.5
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It is particularly adaptable when close fit cannot be held between the two parts of Copper and Copper alloys are to be brazed.

***IN ADDITION TO THE ABOVE STANDARD SIZES, CUSTOMIZED REQUIRED SIZES CAN ALSO BE PROVIDED.**