

Silver Brazing Alloys of JIS Standard(JIS.Z.3261)

Brazing Alloy	JIS Standard	Chemical Composition(%)					Melting Temp. (Degree)		Brazing Temp.	Density	Characteristics and Uses
		Ag	Cu	Zn	Cd	others	Solidus	Liquidus			
BA-100A	BAG-1A	50	16	17	18		625	635	635~760	9.4	lowest brazing temp.,highest fluidity,for small clearance, cadmium-containing
BA-101	BAG-1	45	15	16	24		605	620	620~760	9.3	more economical than BA-100A,high fluidity,for small clearance
BA-102	BAG-2	35	26	21	18		605	700	700~845	9.1	for general purposes,for uneven clearance,economical
BA-103	BAG-3	50	16	16	16	Ni3	630	690	690~815	9.4	Nickel-containing,good corrosion-resistance,good impact-resistance,for stainless steels and cemented carbides
BA-104	BAG-4	40	30	28		Ni2	670	780	780~900	9	higher brazing temp.than BA-103 but more economical,for stainless steels and cemented carbide
BA-105	BAG-5	45	30	25			675	745	745~845	9.2	cadmium free and for things such as food devices,for large clearance
BA-106	BAG-6	50	34	16			690	775	775~870	9.3	better electric conductivity than BA-105, cadmium free and Good for food devices
BA-107	BAG-7	56	22	17		Sn5	620	650	650~760	9.4	Cadmium-free,low melting temp.,high fluidity,good wettability,for Ni alloy such as food devices
BA-108	BAG-8	72	28				780	780	680~900	10.1	eutectic alloy,highest electric conductivity,general use for vacuum brazing,good for electric devices
BA-20	BAG-20	30	38	32			675	765	765~870	8.8	copper and iron alloy,for general purposes,small silver-containing and economical
BA-24	BAG-24	50	20	28		Ni2	660	705	705~800	9.2	Ni-containing and for stainless steels,high fluidity,good for car devices