



RED EAGLE MAKE

HIGH SILVER BRAZING ALLOYS

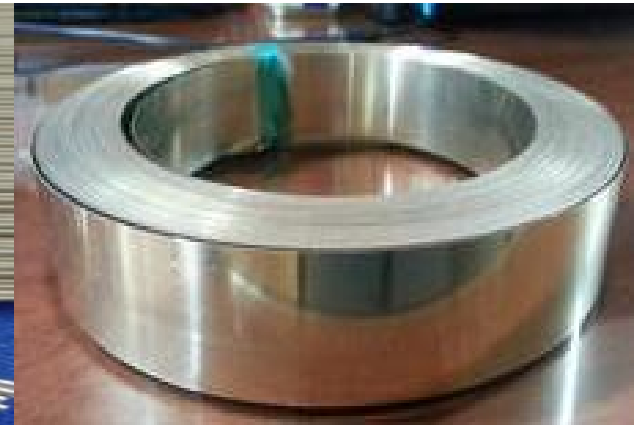
HIGH SILVER BRAZING ALLOYS For



Tungsten Carbide Tipped Tools - Cadmium Bearing Grades - Cadmium Free Grades

Silver Brazing Alloys - Cadmium Bearing Grades

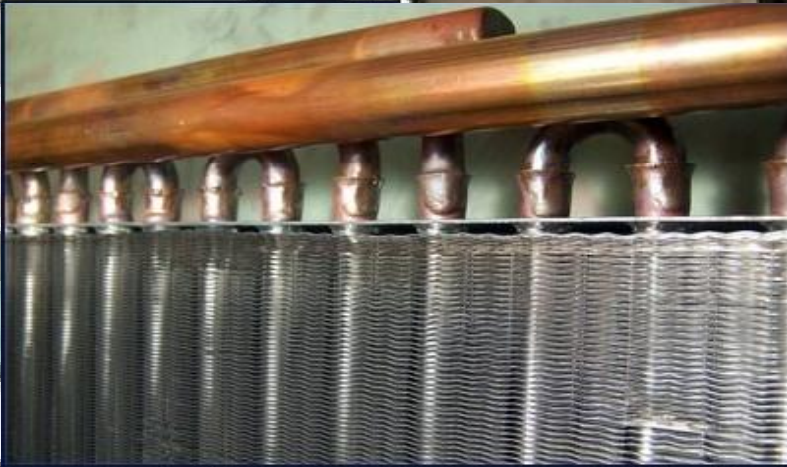
General Purpose, lowest temperature with short melting ranges, free flowing alloys that are versatile, easy to use having high strength. This family of brazing alloys like high silver brazing alloys has excellent flow characteristics and mechanical properties. Being used successfully for the last many decades on nearly all ferrous alloys. RED EAGLE Silver offers these alloys in a wide range of compositions to suit specific applications. Available in Wire and Rods, Strips, Wire Flattening, Wire Preforms, Granules and Spheres. With the help of the chart below, identify and compare alloys of our Silver Based Cadmium Bearing Alloys suited to your needs.



Specifications

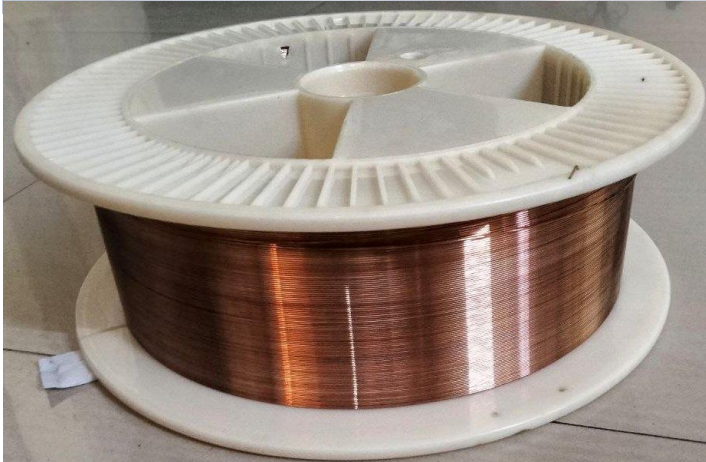
RED EAGLE SILVER GRADE of Brazing Alloys	Nominal Composition %					Melting Range	International Standartds	
	Ag	Cu	Zn	Cd	Others		C	DIN:8513	AWS:A5.8
RED EAGLE SILVER 67Cd	67	11	12	10	–	635-720	L-Ag67Cd	
	Used for silver goods made of silver alloys							
RED EAGLE SILVER 50Cd	50	15.5	16.5	18	–	620-640	L-Ag50Cd	B-Ag-1a
	One of the lowest melting point Silver Brazing alloys available. It has excellent flow characteristics. The highest joint strength can be obtained with this alloy. Has better resistance to corrosion in chlorine, sulphur and steam environments.							
RED EAGLE SILVER 45Cd	45	15	16	24	–	605-620	L-Ag45Cd	B-Ag-1a
	This has the lowest brazint temperature range of the BAg filler metals. It has flow more freely into narrow clearance capillary joints. Its narrow melting range is suitable for repid or slow methods of heating.							
RED EAGLE SILVER 44Cd	44	27	13	15	1P	595-660		
	Low melting filler metal for brazing electrical contacts and molybdenum or copper-tungsten electrodes.							
RED EAGLE SILVER 43Cd	43	16	20	21	–	615-620		
	This has the shortest melting range of any silver brazing alloys. This alloy is regarded as the best brazing alloy by many brazers. It is particularly recommended where is minimum brazing temperature is desirable preserve the properties of the metals. Ideal where joints have a close fitup and will produce neat joints with parent optimum ductility and strenght.							

RED EAGLE SILVER 40Cd	40	19	21	20	–	595-630	L-Ag40Cd	
RED EAGLE SILVER 35Cd	35	26	21	18	–	610-700	L-Ag34Cd	BAG-2
	A free flowing general purpose brazing alloy. Its broader melting range is helpful where clearances are wide or are not uniform. Unless heating is rapid, care must be taken that the lower melting constituents do not separate out by liquation.							
RED EAGLE SILVER 30Cd	30	28	21	21	–	600-690	L-Ag30Cd	BAG-2
	Similar to Silver 40Cd but more economical.							
RED EAGLE SILVER 251Cd	25	30	27.5	17.5	–	605-680	–	BAG-33
	Silver 251, 250 & 20Cd have good fillet forming properties with an ability to bridge wide gaps. Their wide melting range limit their applications. Due to their wide melting range they are somewhat more subject to liquation and may require more care during brazing. Therefore, they are not normally recommended for applications with slow heating rates.							
RED EAGLE SILVER 250Cd	25	35	26	14	–	605-745	–	BAG-27
RED EAGLE SILVER 20Cd	20	40	25	15	–	605-765	L-Ag20Cd	–
RED EAGLE SILVER 12Cd	12	50	31	7	–	620-825	L-Ag12Cd	–
	Economical alloy with wide melting range. Like above, preferred for applications having short heating cycle to avoid liquation, Ideal for bridging wider gaps where work pieces are insensitive to heat.							
RED EAGLE SILVER 5Cd	5	–	–	7	–	335-392	–	
	Used where alloy having higher melting point and better strength than soft solder is required.							



OUR OTHER RED EAGLE MAKE BRAZING ALLOYS PRODUCTS

RED EAGLE MAKE COPPER PHOSPHORUS BRAZING ALLOYS



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RED EAGLE MAKE BRASS & SILICON BRONZE BRAZING ALLOYS



Available Sizes

1.5 mm x 1 M	3.5 mm x 1 M
2.0 mm x 1 M	4.0 mm x 1 M
2.5 mm x 1 M	4.5 mm x 1 M
3.0 mm x 1 M	5.0 mm x 1 M



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RED EAGLE MAKE ALUMINUM MIG TIG ALLOYS
ALUMINIUM ER-5356 MIG TIG WELDING WIRE



ALUMINIUM ER-4043 NG-21 MIG TIG WELDING WIRE



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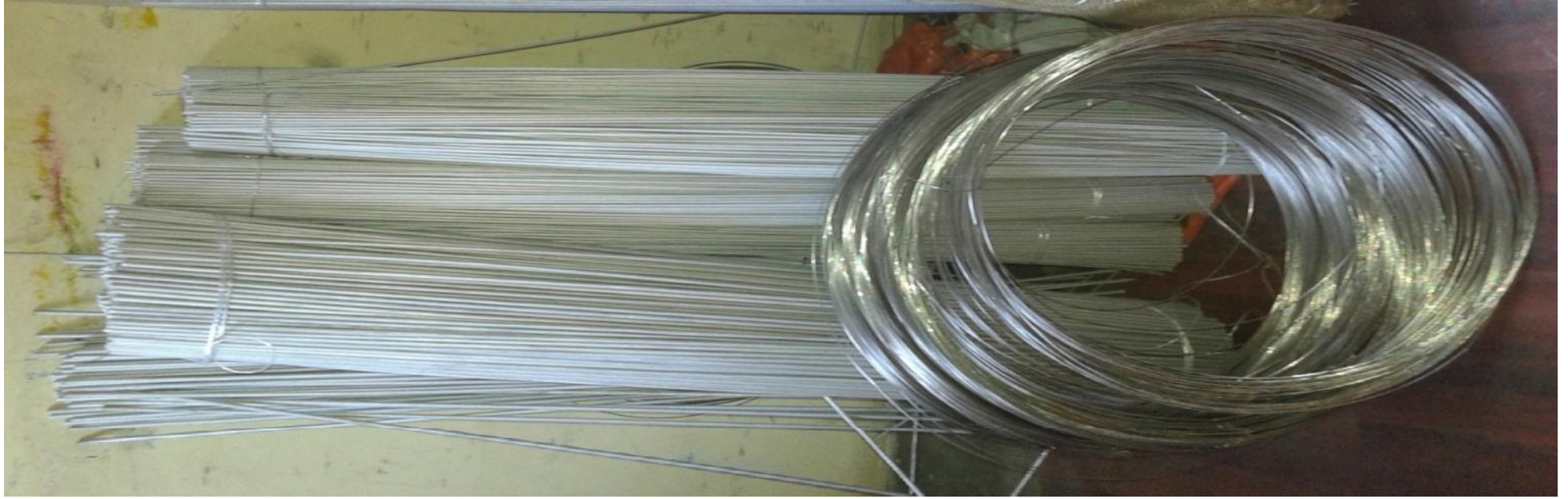
ALUMINIUM ER 1100 NG-1B PURE MIG TIG WELDING WIRE





FLUX CORED ALUMINIUM BRAZING ROD GRADE ER4047





WELDING SAMPELS



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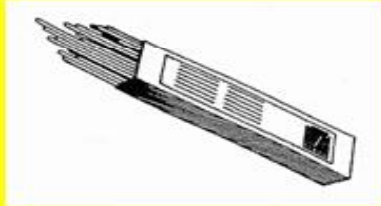
Silver Alloys With Cadmium

Model/Make	Composition %Weight				Melting Range	Working Temperature (DIN 8505)	Density	Standarda DIN 8513	PRICE
	Ag	Cu	Zn	Cd	°C	°C	g / cm ³	ISO 3677	
RED EAGLE 50Cd	50	15	17.5	17.5	620-640	640	9.5	L-Ag 50Cd	
RED EAGLE 45Cd	45	17	18	20	620-635	620	9.4	L-Ag 45Cd	
RED EAGLE 40Cd	40	19	21	20	595-630	610	9.3	L-Ag 40Cd	
RED EAGLE 34 Cd	34	22	24	20	610-680	640	9.1	L-Ag 34Cd	
RED EAGLE 30Cd	30	28	21	21	600-690	680	9.2	L-Ag 30Cd	
RED EAGLE 25 Cd	25	30	27.5	17.5	605-720	710	8.8	L-Ag 25Cd	
RED EAGLE 20 Cd	20	40	25	15	605-765	750	8.8	L-Ag 20Cd	
RED EAGLE 12 Cd	12	50	31	7	620-825	800	8.3	L-Ag 12Cd	
Silver Alloys Without Cadmium									
	Ag	Cu	Zn	others					
RED EAGLE 30Cd	30	36	32	2 Sn	650-750	740	8.8	L-Ag 30Sn	
RED EAGLE 30	30	38	32	....	680-765	750	8.9	L-Ag 30	
RED EAGLE 25 SN	25	40	33	2 Sn	680-760	750	8.7	L-Ag 25Sn	
RED EAGLE 25	25	41	34	....	680-795	780	8.8	L-Ag 25	
RED EAGLE 20	20	44.9	35	0.1 Si	690-810	810	8.7	L-Ag 20	
RED EAGLE 12 SN	18	47	33	2 Sn	780-810	800	8.6	...	
RED EAGLE 12	12	48	40	....	800-830	830	8.5	L-Ag 12	
RED EAGLE 50	5	55	40	....	830-870	860	8.3	L-Ag 5	

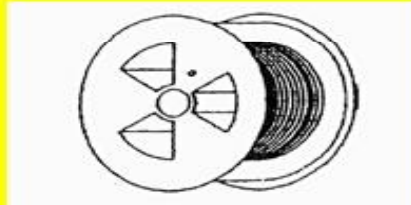
SILVER PHOSPHORUS BRAZING ALLOYS

	Ag	Cu	P	Others					
RED EAGLE 15p	15	80	5	....	650-80	710	8.4	L-Ag 15p	
REDEAGLE 5p	5	89	6	....	650-810	710	8.2	L-Ag 5p	
RED EAGLE 2p	2	91.8	6.2	....	650-810	710	8.1	L-Ag 2p	
RED EAGLE 8	....	92	8	....	710-740	710	8	L-CuP 8	
RED EAGLE FLOW	....	92.8	7.2	....	710-790	720	8.05	L-CuP 7	
RED EAGLE 0	....	93.8	6.2	....	710-880	730	8.1	L-CuP 6	
RED EAGLE 86	....	86.25	6.75	7.0 Sn	650-700	690	8	....

CONFIGURATION



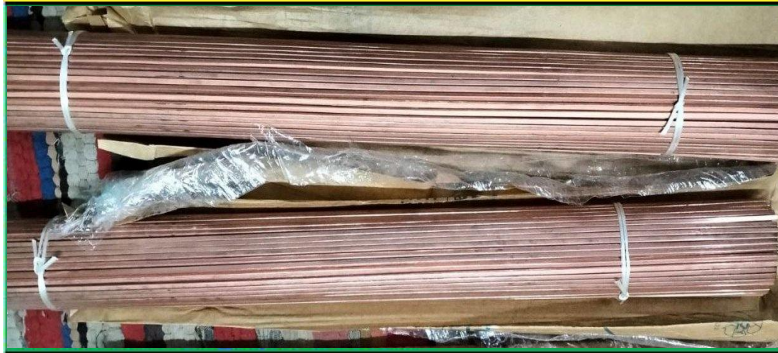
ROD

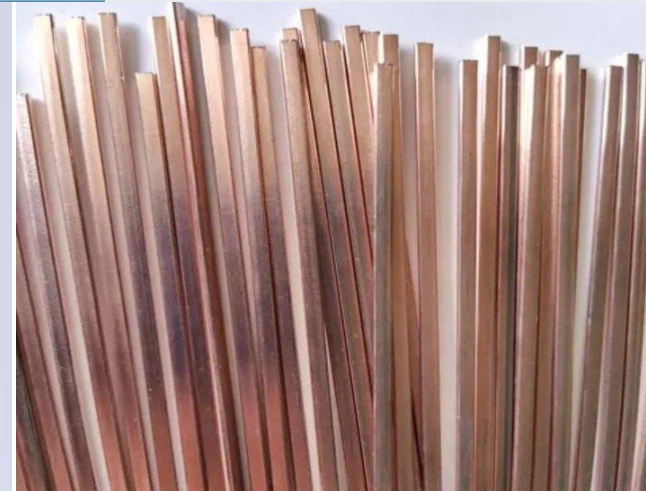


SPOOL



COIL





PIONEER MANUFACTURS & EXPORTER OF			
High Silver Brazing Alloys	Cadmium Bearing Grades ! Cadmium Free Grades ! For Tungsten Carbide Tipped Tools		
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