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HIGH SILVER BRAZING ALLOYS

Safety-Silv 25

A low cost, general purpose silver brazing alloy. Exhibits moderate ductility and slightly higher melting temperatures than alloys containing higher percentages of silver and/or tin.

Safety-Silv 35

A good selection for replacing the cadmium alloys. Safety-Silv 35 joints are strong, ductile and the brazing temperature is only slightly higher than cadmium-bearing 30 and 35 silver alloys.

Safety-Silv 40

Ductile, free-flowing alloy offers economy, good penetration into tight connections and medium temperature. Silver to light yellow color as in polished brass.

Safety-Silv 40T

Similar to 38T in its ability to form excellent fillets and maintain good mechanical properties.

Safety-Silv 45T

Performs like a 45% silver, cadmium-bearing alloy, but is cadmium-free. Lower melting temperature than Safety-Silv® 45. Excellent fillet-forming qualities. Produces high-strength, ductile joints. NSF Certified to NSF 51.

Safety-Silv 50N

This 50% silver alloy is a good replacement for the 3% nickel, cadmium alloy (AWS BAg3). It is especially helpful where low brazing temperature must be maintained. It can be used to braze tungsten carbide, stainless steel, as well as other steel, copper, and nickel alloys.

Safety-Silv 30

A moderate temperature filler metal with flow characteristics useful for wider gaps.

Safety-Silv 38T

This tin-bearing alloy combines excellent fillet-forming characteristics with good flow properties. The addition of a small amount of tin endows this alloy with qualities normally associated with alloys containing greater quantities of silver.

Safety-Silv 40Ni2

For stainless steel; nickel alloy for corrosion resistance and strength; good choice for tungsten carbide tool tipping.

Safety-Silv 45

Excellent general-purpose brazing alloy. Often specified in government use. Good ductility and capillary flow. Color is silver to light yellow.

Safety-Silv 50

Useful in brazing electrical connections and as a cadmium free replacement for 50% silver alloys. It has a wide melting range suitable for bridging gaps where poor fit-ups are encountered.

Safety-Silv 56

High silver content alloy; makes premium-quality brazes. Free-flowing with unsurpassed capillary attraction and deep penetration. Ductility is high, and corrosion-resistance is suitable for all but strong chemical applications. Offers highest elongation of silver brazing alloys. Suitable for use in the food processing industry. Silver color is excellent match for stainless steel and silverware applications. NSF Certified to NSF C2.

Use with STAY-SILV White brazing flux on applications requiring normal heat. Use STAY-SILV Black flux on heavy parts, where localized overheating may occur, and where parts are heated over a prolonged period. Stay-Silv black flux is also suggested when brazing stainless steel.

Stock Numbers and Sizes:

Alloy	Stock Number	Size	Weight	Metric	
SAFETY-SILV 25	25550	SF25-32 X 50 TO COIL	50TO	1555g	
	25350	SF25-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	30250	SF30-3/64 (1.19mm) X 50 TO COIL	50TO	1555g	
SAFETY-SILV 30	3031	SF30-1/16 (1.6mm) 1 TO PKG	1TO	31g	
	30318L	SF30-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	30350	SF30-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	30650	SF30-1/8 (3.17mm) X 50 TO COIL	50TO	1555g	
	35550	SF35-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	35618L	SF35-1/8 (3.17mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
SAFETY-SILV 35	35518L	SF35-3/32 (2.38mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	3551	SF35-3/32 (2.38mm) X 1 TO PKG	1TO	31g	
	35350	SF35-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	35325	SF35-1/16 (1.6mm) X 3 TO PKG	3TO	93g	
	35325	SF35-1/16 (1.6mm) X 25TO COIL	25TO	777g	
	3531	SF35-1/16(1.6mm) X1 TO PKG	1TO	31g	
	35318L	SF35-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	3533	SF35-1/16 (1.6mm) X 5 TO PKG	5TO	1555g	
	35650	SF35-1/8 (3.17mm) X 50 TO COIL	50TO	1555g	
	38T336	SF38T-1/16 (1.6mm) X 36 (914mm) X 50 TO TUBE	50TO	1555g	
	38T350	SF38T-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	38T550	SF38T-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
SAFETY-SILV 40	4031	SF40-1/16 (1.6mm) X 1 TO PKG	1TO	31g	
	40F3184	SF40FC-1/16 (1.6mm) X 18 (457mm) X 4 OZ TUBE	4oz	113.4g	
	40550H	SF40- 3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	40350H	SF40-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	4033	SF40-1/16 (1.6mm) X 3 TO PKG	3TO	93g	
	4035	SF40-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
	40T318L	SF40T-1/16 (1.6mm) X 1 TO PKG	1TO	31g	
SAFETY-SILV 40Ni2 & 40T	40T550	SF40T-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	40T518L	SF40T-1/16 (1.6mm) X 50 TO TUBE	50TO	1555g	
	40T350	SF40T-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	40N318L	SF40Ni2-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	40N325	SF40Ni2-1/16 (1.6mm) X 25 TO TUBE	25TO	777g	
	40N250	SF40Ni2-3/64 (1.19mm) X 50 TO COIL	50TO	1555g	
	40N518L	SF40Ni2-3/32 (2.38mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	40N350	SF40Ni2-1/16 (1.6mm) X 50 TO TUBE	50TO	1555g	
SAFETY-SILV 45	45318L	SF45-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	45618L	SF45-1/8 (3.17mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	45550H	SF45-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	4555	SF45-3/32 (2.38mm) X 5 TO PKG	5TO	155g	
	45536L	SF45-3/32 (2.38mm) X 36 (900mm) X50 TO COIL	50TO	1555g	
	4553	SF45-3/32 (2.38mm) X 3 TO PKG	3TO	93g	
	45518L	SF45-3/32 (2.38mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	4551	SF45-3/32 (2.38mm) X 1 TO PKG	1TO	31g	
	45350H	SF45-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	4535	SF45-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
	45336L	SF45-1/16 (1.6mm) X 36 (914mm) X 50 TO TUBE	50TO	1555g	
	45325H	SF45-1/16 (1.6mm) X 25 TO COIL	25TO	777g	
	4531	SF45-1/16 (1.6mm) 1 TO PKG	1TO	31g	
	45250H	SF45-3/64 (1.19mm) X 50 TO COIL	50TO	1555g	
	4525	SF45-3/64 (1.19mm) X 5 TO PKG	5TO	155g	
	4521	SF45-3/64 (1.19mm) X 1 TO PKG	1TO	31g	
	45150H	SF45-1/32 (.79mm) X 50 TO COIL	50TO	1555g	
	4515	SF45-1/32 (.79mm) X 5 TO PKG	5TO	155g	
	4513	SF45-1/32 (.79mm) X 3 TO PKG	3TO	93g	
	4511	SF45-1/32 (.79mm) X 1 TO PKG	1TO	31g	
	45F3184	SF45FC-1/16 (1.6mm) X 18 (457mm) X 4 oz	4oz	113.4g	
	4533	SF45-1/16 (1.6mm) X 3 TO PKG	3TO	93g	
	45K	SF45 SILVER SOLDER KITS**			
	45F318L	SF45FC-1/16 (1.6mm) X 18 (457mm) X (2) 1# BAGSINTUBE	1lb	.453kg	
	45F318M	SF45FC-1/16 (1.6mm) X 18 (457mm) X 3 STICK TUBE	3TO	.093kg	
	45F5184	SF45FC-3/32 (2.38mm) X 18 (457mm) X 4 ozTUBE	4oz	113.4g	
	45F518L	SF45FC-3/32 (2.38mm) X 18 (457mm) X (2) 1# BAGSINTUBE	1lb	.453kg	
	45F6184	SF45FC-1/8 (3.17mm) X 18 (457mm) X 4oz TUBE	4oz	113.4g	
	45F618L	SF45FC-1/8 (3.17mm) X 18 (457mm) X (2) 1# BAGSINTUBE	1lb	.453kg	
	45325H	SF45-1/8 (3.17mm) X 25 TO COIL	25TO	777g	
	45650H	SF45-1/8 (3.17mm) X 50 TO COIL	50TO	1555g	
	SAFETY-SILV 45T	45T31	SF45T-1/16 (1.6mm) X 1 TO PKG	1TO	31g
45T225SP		SF45T-3/64 (1.19mm) X 25# SPOOL	25lb	11.340kg	
45T33		SF45T-1/16 (1.6mm) X 3 TO PKG	3TO	93g	
45T35		SF45T-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
45T318L		SF45T-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
45TF3184		SF45TFC-1/16 (1.6mm) X 18 (457mm) X 4 oz TUBE	4oz	113.4g	
45TF318L		SF45TFC-1/16 (1.6mm) X 18 (457mm) X (2)1# BAGSINTUBE	1lb	.453kg	
45T350		SF45T-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
5035		SF50-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
SAFETY-SILV 50		50650H	SF50-1/8 (3.17mm) X 50 TO COIL	50TO	1555g
	50350H	SF50-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	50318L	SF50-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	5031	SF50-1/16 (1.6mm) X 1 TO PKG	1TO	31g	
	50550H	SF50-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	50N550	SF50N-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	50N336L	SF50N-1/16 (1.6mm) X 36 (900mm) X 50 TO TUBE	50TO	1555g	
	50N250	SF50N-3/64 (1.19mm) X 50 TO COIL	50TO	1555g	
	50N350	SF50N-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	50N150	SF50N-1/32 (.79mm) X 50 TO COIL	50TO	1555g	
	50N536	SF50N-3/32 (2.38mm) X 36 (914mm) X 50 TO TUBE	50TO	1555g	
	50N318L	SF50N-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
SAFETY-SILV 50N	50N325	SF50N-1/16 (1.6mm) X 25 TO COIL	25TO	777g	
	50N325SP	SF50N-1/16 (1.6mm) X 25# SPOOL	25lb	11.3kg	
	50N35	SF50N-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
	50N518	SF50N-3/32 (2.38mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	5615	SF56-1/32 (.79mm) X 5 TO PKG	5TO	155g	
	56550	SF56-3/32 (2.38mm) X 50 TO COIL	50TO	1555g	
	56F518L	SF56FC-3/32 (2.38mm) X 18 (457mm) X (2) 1# BAGSINTUBE	1lb	.453kg	
	56F5184	SF56FC-3/32 (2.38mm) X 18 (457mm) X 4 oz TUBE	4oz	113.4g	
	56F3184	SF56FC-1/16 (1.6mm) X 18 (457mm) X 4 oz BAGSINTUBE	4oz	.453kg	
	56F318L	SF56FC-1/16 (1.6mm) X 18 (457mm) X (2) 1# TUBE	1lb	113.4g	
	56650	SF56-1/8 (3.17mm) X 50 TO COIL	50TO	1555g	
	56618L	56% 1/8 (3.17mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	56K	SF56 SILVER SOLDER KITS**			
	56325	SF56-1/16 (1.6mm) X 25 TO COIL	25TO	777g	
	5611	SF56-1/32 (.79mm) X 1 TO PKG	1TO	31g	
	56118L	SF56-1/32 (.79mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	56150	SF56-1/32 (.79mm) X 50 TO COIL	50TO	1555g	
	5625	SF56-3/64 (1.19mm) X 5 TO PKG	5TO	155g	
	56250	SF56-3/64 (1.19mm) X 50 TO COIL	50TO	1555g	
	56225SP	SF56-3/64 (1.19mm) X 25# TO SPOOL	25lb	11.3kg	
	56318L	SF56-1/16 (1.6mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	5633	SF56-3/32 (2.38mm) X 3 TO PKG	3TO	93g	
	5633	SF56-1/16 (1.6mm) X 3 TO PKG	3TO	93g	
	56336L	SF56-1/16 (1.6mm) X 36 (914mm) X 50 TO TUBE	50TO	1555g	
	5635	SF56-1/16 (1.6mm) X 5 TO PKG	5TO	155g	
	56350	SF56-1/16 (1.6mm) X 50 TO COIL	50TO	1555g	
	5651	SF56-3/32 (2.38mm) X 1 TO PKG	1TO	31g	
	56518L	SF56-3/32 (2.38mm) X 18 (457mm) X 15 TO TUBE	15TO	466g	
	5631	SF56-1/16 (1.6mm) X 1 TO PKG	1TO	31g	