

**Silicon Bronze & Brass**

		Composition (% maximum except as indicated)																nd Cast Mechanical Properties Minimu			Pour Temperature [F]		ASTM Casting Standards	
Copper Alloy Number	Ingot Number	Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	Cd	As	Cr	Mg	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Light Castings	Heavy Castings	
C87200		89.0 min	1.0	0.50	5.0	2.5			1.0-5.0	1.5	1.5	0.50						99.5	45	18	20	2000-2150	1850-2000	
C87300	500-E	94.0 min		0.09	0.25	0.20			3.5-4.5		0.8-1.5							99.5	45	18	20	2000-2150	1850-2000	B 271, B584, B763
C87400	500-13A	79.0 min		1.0	12.0-16.0				2.5-4.0	0.5								99.2	50	21	18	1900-2000	1800-1900	B 271, B584, B763
C87500	500-13B	79.0 min		0.09	12.0-16.0				3.0-5.0	0.50								99.5	60	24	16	1900-2000	1800-1900	B 271, B584, B763, B806
C87600	500-12A	88.0 min		0.09	4.0-7.0	0.20			3.5-5.5		0.25							99.5	60	30	16	2000-2150	1850-2000	B 271, B584, B763
C87610		90.0 min		0.09	3.0-5.0	0.20			3.0-5.0		0.25							99.5	45	18	20	2000-2150	1850-2000	B584, B763
C87700		87.5 min	2.0	0.09	7.0-9.0	0.50	0.10	0.25	2.5-3.5		0.80	0.15						99.2	Check CDA					B505
C87800	500	80.0 min	0.25	0.09	12.0-16.0	0.15	0.05	0.20	3.8-4.2	0.15	0.15	0.01	0.05		0.05		0.01	99.2	Check CDA			1900-2000	1800-1900	B176, B806
C87900		63.0 min	0.25	0.25	30.0-36.0	0.40	0.05	0.50	0.8-1.2	0.15	0.15	0.01	0.05	0.05				99.5	Check CDA			1950-2150	1850-2000	