

Aluminum Bronze

		Composition (% maximum except as indicated)														Sand Cast Mechanical Properties				Pour Temperature		ASTM Casting Standards	
Copper Alloy Number	Ingot Number	Cu	Sn	Pb	Zn	Fe	Sb	Ni	Si	Al	Mn	P	S	Co	Cr	Total Named Elements	Tensile ksi	Yield ksi	Elongation %	Brinell 500 kg Load	Light Castings	Heavy Castings	
C95200	415A	86.0 min				2.5-4.0				8.5-9.5						99.0	65	25	20		2050-2200	2000-2100	B148, B763, B271, B505
C95300	415B	86.0 min				0.8-1.5				9.0-11.0						99.0	65	25	20		2050-2200	2000-2100	B148, B763, B271, B505, B806
C95400	415C	83.0 min				3.0-5.0		1.5		10.0-11.5	0.50					99.5	75	30	12		2100-2250	2000-2150	B148, B66, B763, B271, B505, B806
C95410	415C w/ Ni	83.0 min				3.0-5.0		1.5-2.5		10.0-11.5	0.50					99.5	75	30	12		2100-2250	2000-2150	B148, B763, B271, B505, B806
C95500	415D	78.0 min				3.0-5.0		3.0-5.5		10.0-11.5	3.5					99.5	90	40	6		2250-2350	2000-2100	B148, B763, B271, B505, B806
C95520		74.5 min	0.25	0.03	0.30	4.0-5.5		4.2-6.0	0.15	10.5-11.5	1.5			0.20	0.05	99.5	125	95	2	255 [3000 kg]			B148, B271, B505
C95600	415E	88.0 min						0.25	1.8-3.3	6.0-8.0						99.0	60	28	10		2050-2200	2000-2200	B148, B763
C95700	415F	71.0 min		0.03		2.0-4.0		1.5-3.0	0.10	7.0-8.5	11.0-14.0					99.5	90	40	20		1950-2100	1850-2000	B148, B505
C95800	415G	79.0 min		0.02		3.5-4.5		4.0-5.0	0.05	8.5-9.5	0.8-1.5					99.5	85	35	15		2250-2350	2150-2250	B148, B763, B271, B505, B806
C95900		balance				3.0-5.0		0.50		12.0-13.5	1.5					99.5	-	-	-	241 [3000 kg]			B148, B271, B505