Aluminum Bronze

		Composition (% maximum except as indicated)											Sand Cast Mechanical Properties Minimum				Pour Temperature [F]	
Copper Alloy Number	Ingot Number	Copper (Cu)	Lead (Pb)	Iron (Fe)	Nickel (Ni) incl Co	Aluminum (Al)	Manganese (Mn)	Silicon (Si)	Tin (Sn)	Zinc (Zn)	Other	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
C95210		86.0 min	0.05	2.5-4.0	1.0	8.5-9.5	1.0	0.25	0.10	0.50	0.05 Mg	99.0	none available					
C95220		balance		2.5-4.0	2.5	9.5-10.5	0.50					99.5	none available					
C95300	415B	86.0 min		0.8-1.5		9.0-11.0						99.0	65	25	20		2050-2200	2000-2100
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
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
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
C95520	heat treated only	74.5 min	0.03	4.0-5.5	4.2-6.0	10.5-11.5	1.5	0.15	0.25	0.30	0.20 Co 0.05 Cr	99.5	125	95	2	255 [3000 kg]		
C95600	415E	88.0 min			0.25	6.0-8.0		1.8-3.3				99.0	60	28	10		2050-2200	2000-2200
C95700	415F	71.0 min	0.03	2.0-4.0	1.5-3.0	7.0-8.5	11.0-14.0	0.10				99.5	90	40	20		1950-2100	1850-2000
C95710		71.0 min	0.05	2.0-4.0	1.5-3.0	7.0-8.5	11.0-14.0	0.15	1.0	0.50	0.05 P	99.5	none available					
C95720		73.0 min	0.03	1.5-3.5	3.0-6.0	6.0-8.0	12.0-15.0	0.10	0.10	0.10	0.09 Cr	99.5	none available					
C95800	415G	79.0 min	0.02	3.5-4.5 Fe < Ni	4.0-5.0 Fe < Ni	8.5-9.5	0.8-1.5	0.05				99.5	85	35	15		2250-2350	2150-2250
C95810		79.0 min	0.09	3.5-4.5 Fe < Ni	4.0-5.0 Fe < Ni	8.5-9.5	0.8-1.5	0.10		0.50	0.05 Mg	99.5	none available					
C95820		77.5 min	0.02	4.0-5.0	4.5-5.8	9.0-10.0	1.5	0.10	0.20	0.20		99.2	94	39 [.2% offset]	13			
C95900		balance		3.0-5.0	0.50	12.0-13.5	1.5					99.5	–	–	–	241 [3000 kg]		