

Extruded or Cast and Drawn Product Chemical Composition

Copper Alloy UNS No.	ASTM Spec	AMS Spec	Product Description	Cu%	Pb%	Sn%	Zn%	Fe%	P%	Ni%	Al%	Co%	Cr%	Mn%	Si%	As%	Te%
C14500*	B301		Tellurium Copper	99.90 min ³					0.004- 0.012								0.40- 0.70
C23000	B927		Red Brass 85%	84.00- 86.00	0.05		Rem.	0.05									
C24000	B927		Low Brass 80%	78.50- 81.50	0.05		Rem.	0.05									
C26000	B927		Cartridge Brass 70%	68.50- 71.50	0.07		Rem.	0.05									
C31400*	B140		Leaded Commercial Bronze	87.50- 90.50	1.30- 2.50		Rem.	0.10		0.70							
C31600	B140		Leaded Commercial Bronze (nickel-bearing)	87.50- 90.50	1.30- 2.50		Rem.	0.10	0.04- 0.10	0.70- 1.20							
C46400	B21		Naval Brass, Uninhibited	59.00- 62.00	0.20	0.50- 1.00	Rem.	0.10									
C51000*	B139	4625	Phosphor Bronze 5% A	Rem.	0.05	4.20- 5.80	0.30	0.10	0.03- 0.35								
C52100	B139		Phosphor Bronze 8% A	Rem.	0.05	7.00- 9.00	0.20	0.10	0.03- 0.35								
C53400	B139		Phosphor Bronze B-1	Rem.	0.08- 1.20	3.50- 5.80	0.30	0.10	0.03- 0.35								
C54400*	B139		Phosphor Bronze B-2	Rem.	3.00- 4.00	3.50- 4.50	1.50- 4.50	0.10	0.01- 0.50								
C62400	B150		Aluminum Bronze 11%	Rem. ¹		0.20		2.00- 4.50			10.00- 11.50			0.30	0.25		
C63000*	B150	4640	Nickel-Aluminum Bronze	Rem. ¹		0.20	0.30	2.00- 4.00		4.00- 5.50 ²	9.00- 11.00			1.50	0.25		
C63020*	B150	4590	Nickel-Aluminum Bronze	Rem.	0.03	0.25	0.30	4.00- 5.50		4.20- 6.00	10.00- 11.00	0.20	0.05	1.50	0.15		
C64200*	B150	4634	Aluminum Bronze	Rem. ¹	0.05	0.20	0.50	0.30		0.25 ²	6.30- 7.60			0.10	1.50- 2.20	0.09	

*Standard-stocked alloy. ¹Cu value includes Ag. ²Ni value includes Co. ³Includes tellurium and phosphorus
 Note: Unless otherwise noted, single values represent maximums.