

# Wrought Products Chemical Composition

Copper Alloy UNS No.	ASTM	Product Description	Cu%	Pb%	Sn%	Zn%	Fe%	P%	Ni%	Al%	Co%	Cr%	Mn%	Si%	As%
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						
C51000	B139	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							
C63000	B150	Nickel Aluminum Bronze	Rem. <sup>1</sup>		0.20	0.30	2.00-4.00		4.00-5.50 <sup>2</sup>	9.00-11.00			1.50	0.25	
AMS 4590-C63020	B150	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	Aluminum Bronze	Rem. <sup>1</sup>	0.05	0.20	0.50	0.30		0.25 <sup>2</sup>	6.30-7.60			0.10	1.50-2.20	0.09
C64210	B150	Aluminum Silicon Bronze	Rem. <sup>1</sup>	0.05	0.20	0.50	0.30		0.25 <sup>2</sup>	6.30-7.60			0.10	1.50-2.00	0.09
C65100	B98	Low-Silicon Bronze B	Rem. <sup>1</sup>	0.05		1.50	0.80						0.70	0.80-2.00	
C67300		Manganese Bronze	58.00-63.00 <sup>1</sup>	0.40-3.00	0.30	Rem.	0.50		0.25 <sup>2</sup>	0.25			2.00-3.50	0.50-1.50	
C67600	B138	Manganese Bronze	57.00-60.00 <sup>1</sup>	0.50-1.00	0.50-1.50	Rem.	0.40-1.30						0.05-0.50		
C69400	B371	Silicon Red Bronze	80.00-83.00 <sup>1</sup>	0.30		Rem.	0.20							3.50-4.50	
C69430	B371	Silicon Red Bronze	80.00-83.00 <sup>1</sup>	0.30		Rem.	0.20							3.50-4.50	0.03-0.06

<sup>1</sup>Cu value includes Ag. <sup>2</sup>Ni value includes Co.  
 Note: Single values represent maximums.