



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C63200 (Ni-Al Bronze, wrought)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	79.00%	Density	7600 kg/m ³
Al	8.50%	Hardness (BHN)	160
Ni	4.00%	UTS	690 MPa
Fe	4.00%	Yield (0.2%)	350 MPa
Mn	1.50%	Elongation	15 %
		Machinability	Fair (rating 2)

Applications	Standards
Plain & flanged bearings (SAE 660 class), thrust washers, gears, pump components.	ASTM B271 ASTM B505 ASTM B584

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Values are typical. Verify against relevant ASTM/AMS standards. © Chicago Bronze.