



# Chicago Bronze

Cast Right. Machine Tight. Since 1980.

## Alloy C63000 (Ni-Al Bronze, wrought)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	77.00%	Density	7580 kg/m <sup>3</sup>
Al	10.00%	Hardness (BHN)	170
Ni	5.00%	UTS	760 MPa
Fe	3.50%	Yield (0.2%)	450 MPa
Mn	1.50%	Elongation	12 %
		Machinability	Fair (rating 2)

Applications	Standards
Aerospace bushings (AMS 4640), landing gear hinges, marine shafts/sleeves, guide bushings in corrosive service.	ASTM B150 AMS 4640

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