



# Chicago Bronze

Cast Right. Machine Tight. Since 1980.

## Alloy C90700 Tin Bronze

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	88.50%	Density	8770 kg/m <sup>3</sup>
Sn	11.00%	Hardness (BHN)	80
Zn	0.50%	UTS	305 MPa
		Yield (0.2%)	172 MPa
		Elongation	10 %
		Machinability	Poor to Fair (rating 20)

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.