



# Chicago Bronze

Cast Right. Machine Tight. Since 1980.

## Alloy C92900 Leaded Nickel Tin Bronze

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	85.65%	Density	8860 kg/m <sup>3</sup>
Sn	10.00%	Hardness (BHN)	80
Pb	2.60%	UTS	325 MPa
Ni	1.50%	Yield (0.2%)	180 MPa
Zn	0.25%	Elongation	8 %
		Machinability	Moderate (rating 40)

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.