



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C72900 Spinodal Bronze (CuNi15Sn8; Hardiall®/ToughMet® 3)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	77.00%	Density	8800 kg/m ³
Ni	15.00%	Hardness (BHN)	285
Sn	8.00%	UTS	910 MPa
		Yield (0.2%)	740 MPa
		Elongation	6 %
		Machinability	Good (spinodal hardened Cu-Ni-Sn)

Applications	Standards
Extreme load bushings & joints, aerospace linkages, landing gear bearings, high speed spindles, downhole tools.	Producer datasheet ASTM B505/B271 (cast forms)

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