



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C96900 Spinodal Bronze (CuNi15Sn8; ToughMet® 3 CX)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	76.70%	Density	8900 kg/m³
Ni	15.00%	Hardness (BHN)	285
Sn	8.00%	UTS	760 MPa
Fe	0.20%	Yield (0.2%)	725 MPa
Mn	0.10%	Elongation	4 %
		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)

CHICAGO BRONZE ENGINEERED CASTINGS LLC
11417 Irving Park Road (IL-19), Suite B-3-6, Franklin Park, IL, 60131
dersan@chicago-bronze.com · www.chicago-bronze.com

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