



# Chicago Bronze

Cast Right. Machine Tight. Since 1980.

## Alloy C95510 Nickel Aluminum Bronze (AMS 4880)

Composition (wt.%)		Mechanical Properties	
Element	Wt.%	Property	Value
Cu	81.00%	Density	7700 kg/m <sup>3</sup>
Al	9.00%	Hardness (BHN)	200
Ni	5.00%	UTS	955 MPa
Fe	4.00%	Yield (0.2%)	565 MPa
Mn	1.00%	Elongation	9 %
		Machinability	Moderate (rating 40)

Applications	Standards
Marine propeller hubs, stern■tube & rudder bearings, seawater valves & pumps, heavy■duty bushings.	ASTM B148 ASTM B271 ASTM B505

**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.