

# Bronze Cast

## SAE660 Bearing

SAE660 BEARING BRONZE (UNS C93200)			
C  83%	Sn  6.9%	Pb  7.0%	Zn  2.5%
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>Produced conforming to ASTM B505, SAE660 Bearing Bronze (Bars and Tubes). Produced oversized. to finish, machine to the nominal size ordered.</li> <li>Density: 0.322 lb/in<sup>3</sup> at 68°F; 8.91 g/cm<sup>3</sup> at 20°C</li> </ul>		
<b>Typical Applications</b>	<ul style="list-style-type: none"> <li><b>Industrial Machinery &amp; Equipment Market:</b> In-plant Equipment, Industrial Valves &amp; Fittings, Turbines, Off-highway Vehicles</li> <li><b>Products:</b> Bushings, Plumbing Valves, Air Brakes, Brass Anodes for Plating, Brass Plating of Steel Belts in Tires, Wear Plates in Cranes, Hydraulic Seals, Gears, Bearings, Valve Stems, Turbine seals, Flanges</li> <li><b>Transportation Equipment Market:</b> Automotive Non-electrical, Railroad, Marine, Aircraft</li> <li><b>Products:</b> Motors, General Hardware, Carburetor Assemblies, Fittings</li> <li><b>Military Market:</b> All Specified Military Applications</li> <li><b>Water Handling Equipment:</b> Alloys used in Marine service and products such as seawater piping, pumps, valves, etc</li> <li><b>Special Market (Fastest Growing Market) Products:</b> Food Processing Equipment, Hydraulic Seals, Plumbing Valves, Wear Plates and Guides.</li> </ul>		
<b>Mechanical Properties</b>	<ul style="list-style-type: none"> <li>Yield - 18,000 psi</li> <li>Tensile Strength - 35,000 psi</li> <li>Elongation - 20%</li> <li>Hardness - 60-70 HBN</li> </ul>		

