

# CDA 932

LEADED PHOSPHOR BRONZE

# ALLOY

BEARING BRONZE

C93200 (SAE 660) Bearing Bronze is considered the standard bearing material for light duty applications. While it is easily machined, the bronze alloy is hard, strong and resistant to wear. It also conforms well to journal irregularities and is less dependent on lubrication than other alloys. The alloy has reasonable corrosion resistance to seawater and brine. Good hardness, strength and wear resistance; excellent antifriction qualities; good casting and excellent machining properties; can be readily broached or reamed.

### Chemical Properties

Cu	Sn	Zn	Pb
83	7	3	7

### Mechanical Properties

Yield strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
138	241	10	85-110

### Physical Properties

Density	Mean Coefficient of Thermal	Thermal Conductivity	Specific Heat
(Kg/m <sup>3</sup> )	Expansion (µm/m/°C)	(W/m.K)	0-100°C
8.91	18	58.2	377

### Equivalent Designation

UNS C93200  
Din CuSn7ZnPb  
C932

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