



CDA C93200 (SAE 660) BEARING BRONZE

OTHER DESIGNATIONS GIVEN TO THIS MATERIAL

ASTM PRESENT = B584-932	MILITARY = MIL-C-15345-12	ASTM PAST = B144-3B
FEDERAL NEW QQ-C-390-B = 932	A.M.S. AND OTHER BANDS = SAE CA-932A	FEDERAL OLD = QQB691b COMP 12
	ORIGINAL ASARCON # = 77	

MECHANICAL PROPERTIES

Tensile Strength (minimum) psi* – 35,000

Elongation % in 2" – 10

Yield Strength (minimum) psi* – 20,000

Brinell Hardness** – 65

*Minimum tensile strength and yield strength shall be reduced 10% for cast bars having cross section, thickness, diameter, or wall of 4" (102mm) or more. The cross sections are the diameter of a round solid, the distance across the flats of a solid hexagon, the thickness of a rectangle and the wall thickness of a tube.

**Brinell numbers represents Sand Casting Standards to be used for information only and should not be used for specification purposes.

NOMINAL CHEMICAL PROPERTIES

Cu % – 83 | Sn % – 7 | Pb % – 7 | Zn % – 3

MATERIAL CHARACTERISTICS

Possess good hardness, strength and wear resistance; excellent antifrictional qualities; good casting and excellent machining properties; can be readily broached or reamed.

MATERIAL USES

Currently the industry standard cast-bronze bearing material; general utility applications for medium loads and speeds; electric-motor bushings; spring-shackle bushings; torque-tube bushings; bushings for automotive generators, distributors and starters; motorcycle-engine bearings; sleeve bushings for cranes and draglines; track-roller bushings for crawler; guides bushings for valves, rams and piston rods; camshaft bushings for tractor engines; roller bushings for conveyors; main bearings for presses; mechanical linkage bushings for farm and material-handling equipment; spindle bushings for farm equipment and trucks.

MATERIAL PRODUCED TO AND CERTIFIED BY ISO 9002 (CERTIFICATE #1272)