



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C90500 Gun Metal (Tin Bronze)

| Composition (wt.%) | | Mechanical Properties | |
|--------------------|--------|-----------------------|------------------------|
| Element | Wt.% | Property | Value |
| Cu | 87.70% | Density | 8720 kg/m ³ |
| Sn | 10.00% | Hardness (BHN) | 75 |
| Zn | 2.00% | UTS | 303 MPa |
| Pb | 0.30% | Yield (0.2%) | 172 MPa |
| | | Elongation | 10 % |
| | | Machinability | Fair (rating 30) |

| Applications | Standards |
|---|-------------------------------------|
| Plain & flanged bearings (SAE 660 class), thrust washers, gears, pump components. | ASTM B271 ASTM B505 ASTM B584 |

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