



Chicago Bronze

Cast Right. Machine Tight. Since 1980.

Alloy C95500 (Ni-Al Bronze)

| Composition (wt.%) | | Mechanical Properties | |
|--------------------|--------|-----------------------|------------------------|
| Element | Wt.% | Property | Value |
| Cu | 79.00% | Density | 7700 kg/m ³ |
| Al | 9.50% | Hardness (BHN) | 190 |
| Ni | 4.50% | UTS | 760 MPa |
| Fe | 4.00% | Yield (0.2%) | 415 MPa |
| Mn | 1.00% | Elongation | 12 % |
| | | Machinability | Fair (rating 2) |

| 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.