

Aluminum Bronze C95300

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BRONZE

Typical Uses

- **Industrial** welding jaws, pickling hooks, high-strength clamps, valve bodies, pickling baskets, bearing segment for the steel industry, large hold down screws, pressure blocks for the steel industry, gears, cams, high-temperature applications, mining machine parts
- **Electrical** connectors
- **Fasteners** stripped nuts
- **Marine** covers for marine hardware, marine equipment

Shape/Form

Semi-finished, mill stock or near-net shapes, anode, bar stock, billet/bloom, squares, hex, plate, profile or structural shape, flats/rectangular bar

Similar or Equivalent Specification

Alloy	ASTM	ASARCON	SAE	AMS	Federal	Military	Other
C95300	B505		68B J461 J462		QQ-C-390, G7; QQ-B-671, CLASS 2	MIL-B-16033, CLASS 2	ALUMINUM BRONZE 9B

Chemical Composition

Alloy	Cu%	Fe%	Al%
C95300	86.00 MIN	0.80- 1.50	9.00- 11.00

Mechanical Properties

Tensile Strength(min)		Yield Strength(at .5% extension under load min)		Elongation(in 2in. or 50mm min, %)	Brinell Hardness(min)	Remarks
Ksi	MPa	Ksi	MPa			
70	483	26	179	25	N/A	