

Aluminum Bronze C95500

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Typical Uses

- Builders Hardware window hardware
- Consumer musical instruments, piano keys
- Electrical electrical hardware
- Fasteners stuffing box nuts
- Marine ship building, covers for marine hardware, marine applications, marine hardware
- Industrial machine parts, glass molds, welding jaws, wear plates, aircraft components, pickling equipment, valve guides/seats/bodies, piston guides, pump fluid ends, glands, worms, worm gears, hot mill guides, sewage treatment applications, valve components, bearings, gears, bushings, landing gear parts, handgun recoil mechanisms

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
C95500	B505				QQ-C-390B, G3	MIL-B-16033, CLASS 4	ALUMINUM BRONZE 9D

Chemical Composition

Alloy	Cu%	Fe%	Ni%	Al%	Mn%
C95500	78.00 MIN	3.00- 5.00	3.00- 5.50	10.00- 11.50	3.50

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			
95	655	42	290	10	N/A	