

# Aluminum Bronze C95400

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**SINO** *AL-BRONZE*  
**BRONZE**

## Typical Uses

- **Automotive** weld guns
- **Fasteners** nuts, large hold down screws
- **Marine** covers for marine hardware, ship building
- **Ordnance** government fittings
- **Industrial** bushings, high strength clamps, gears, valves, bearings, pawl, valve bodies, landing gear parts, worm gears, machine parts, pressure blocks for the steel industry, bearing segments for the steel industry, valve seats, valve guides, pickling hooks, spur gears, heavily loaded worm gears, pump parts

## 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
C95400	B505				QQ-C-390, G5, QQ-B-671, CLASS 3	MIL-B-16033, CLASS 3	ALUMINUM BRONZE 9C

## Chemical Composition

Alloy	Cu%	Fe%	Ni%	Al%	Mn%
C95400	83.00	3.00- 5.00	1.50	10.0- 11.50	0.50

## Mechanical Properties

Tensile Strength(min)		Yield Strength(at .5% extension under load min)		Elongation(in 2in. or 50mm min, %)	Brinell Hardness(typical Bhn - 3000kg)	Remarks
Ksi	MPa	Ksi	MPa			
85		32		12	170	