

High-Leaded Tin Bronze C93500

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SINO BRONZE
BRONZE

Typical Uses

- **Automotive** backing for Babbitt lined bearings
- **Industrial** mild acidic applications, corrosion-resistant castings, high-speed/light-load bushings, bearings, pump impellers

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
C93500	B505 B144, 3C	59	66 J461 J462		QQ-C-390, E9; QQ-B-1005, COMP 14	MIL-B-11553, COMP 14	

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C93500	83.00- 86.00	4.30- 6.00	8.00- 10.00	2.00	0.20	1.00	0.30	0.05	0.08	0.005	0.005

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			
30	207	16	110	12		