

High-Leaded Tin Bronze C94300

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SINO BRONZE
BRONZE

Typical Uses

• **Industrial** high speed bearings for light loads, soft bushings, soft metal applications, railroad applications, high-speed/light-to-medium pressure bushings

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
C94300	B505				QQ-C-390B TYPE III	MIL-B-16261 GRADE V	

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%1	Sb%	P%	S%	Al%	Si%
C94300	67.00- 72.00	4.50- 6.00	23.00- 27.00	0.80	0.15	1.00	0.80	0.08	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	Ksi	MPa			
21	145	15	103	7	N/A	