

Lead Tin Bronze C92300

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SINO **ALLOY**
BRONZE

Typical Uses

- **Builders Hardware** structural castings
- **Fasteners** nuts
- **Industrial** pump impellers, pump parts, valve bodies, high-pressure hydraulic equipment, bushings, bearings, gears, piston rings
- **Plumbing** high-pressure steam 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
C92300	B505 B143, 2B	81	621 J461 J462		QQ-C-390, D3; QQ-B-1005, COMP 6	MIL-B-11553, COMP 6	

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C92300	85.00- 89.00	7.50- 9.00	0.30- 1.00	2.50- 5.00							
					0.25	1.00	0.25	0.05	0.05	0.005	0.005

Mechanical Properties

Tensile Strength(min)		Yield Strength(at .5% extention under load min)		Elongation(in 2in. or 50mm min, %)	Brinell Hardness(min)	Remarks
Ksi	MPa	Ksi	MPa			
40	276	19	131	16	N/A	