

High-Leaded Tin Bronze C93700

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SINO BRONZE
BRONZE

Typical Uses

- Builders Hardware brackets
- Fasteners washers for engines, nuts
- Industrial crank shafts, bearings, bearing plates, machine parts, bushings, applications requiring acid resistance to sulphite fluids, parts for steel mill maintenance, slide guides for steel mills, high speed, heavy load bearings, pumps, pressure tight castings, impellers, corrosion resistant castings, bushings for high speed and heavy pressure
- Marine large bearings for ships

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 Desc
C93700	B505		64		QQ-C-390, E10	MIL-B-11553, COMP 23	BEARING BRONZE
	B144, 3A	1010	J461	J462			

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C93700	78.00-	9.00-	8.00-								
	82.00	11.00	11.00	0.80	0.70	0.50	0.50	0.10	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			
35	241	20	138	6		