

High-Leaded Tin Bronze C93600

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SINO BRONZE

Typical Uses

• Industrial flow monitor valves, oil field equipment, bushings for corrosion, lubrication or pressure, backs for lined bearings, cam bushings for diesel engines, crankshaft main bearings, deep well pump line shaft bearings, deep well pump bowl bushings, electric motor bearings, guide bushings for piston rods, guide bushings for valves, hydraulic gland seals, locomotive bearing parts, main bearings for presses, piston pin bearings, pump sleeves, rod bushings, rolling mill bearings, seals, sleeve bushings (for cranes, etc.), spacer bushings (for pumps, etc.), steel mill bushings, wrist pin bushings, bearings for corrosion, lubrication or pressure

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
C93600	B505						

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C93600	79.00-	6.00-	11.00-								
	83.00	8.00	13.00	1.00	0.20	1.00	0.55	0.15	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			
33	227	20	138	10		