

LEADED RED BRASS C83600

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SINO *ALLOY*
BRONZE

Typical Uses

- **Architecture:** ornamental fixtures
- **Builders Hardware** hardware
- **Electrical** switches, electrical equipment, electrical hardware
- **Fasteners** large hold down screws
- **Marine** parts for boats, marine products
- **Building** heating equipment, cooling equipment, lightning protection, trowels for cement working
- **Plumbing** pipe fittings, fixtures, faucets
- **Industrial** couplings, handles for dental equipment, air actuators, pressure blocks for steel industry, bearing segments for steel industry, valve bodies, valves, bushings, pump parts, valves, transducer housings, valve bodies for the water meter industry, valves for the water meter industry, rings, printing presses, furnaces, pumps, low pressure valves, small gears, bearings, pump fixtures, impellers, valve bodies, pumps

Similar or Equivalent Specification

Alloy	ASTM	ASARCON	SAE	AMS	Federal	Military	Other
C83600	B62 B505	55	40 J461 J463	4855	QQ-C-390, B5; QQ-B-1005, COMP 2	MIL-B-11553 COMP 2; MIL-C-14345, ALLOY 1	OUNCE METAL

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C83600	84.00- 86.00	4.00- 6.00	4.00- 6.00	4.00- 6.00	0.30	1.0	0.25	1.5	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			
36	248	19	131	15	N/A	