

**HIGH STRENGTH YELLOW BRASS
MANGANESE BRONZE
C86300**

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**SINO H.F.B.
BRONZE**

Typical Uses

- **Builders Hardware** brackets
- **Electrical** switches, electrical components
- **Fasteners** screw down nuts, screw down nuts
- **Industrial** bushings, high strength machine parts, hooks, frames, struts, gears, bridge pins, propellers, hydraulic cylinder parts, large valve stems, slow speed, heavy load bearings, gib, cams, hydraulic cylinder parts, forming dies for wood pulp industry, wear rings for forming dies for wood pulp industry
- **Marine** marine hardware, clamps, covers for marine hardware, boat parts, rudders

Similar or Equivalent Specification

Alloy	ASTM	ASARCON	SAE	AMS	Federal	Military	Other
C86300	B505		430B J461 J463		QQ-C-390B, C7	MIL-C-22229, COMP 8	

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Al%	Mn%
C86300	60.00- 66.00	0.20	0.20	22.00- 28.00	2.00- 4.00	1.0	5.00- 7.50	2.50- 5.00

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			
110	758	62	427	14	N/A	