

Tin Bronze C91100

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SINO **BRONZE**

Typical Uses

- **Electrical** hollow conductors
- **Industrial** worm wheels, worm gears, conprise gears, heavy load/relatively low-speed bearings

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
C91100	B22						

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Si%
C91100	82.00-	15.00-									
	85.00	17.00	0.25	0.25	0.25	0.50	0.20	1.0	0.05	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	Ksi	MPa			
N/A	N/A	N/A	N/A	N/A	160 (3000 KG)	