

Alloy: C67300

- Bronze Family:** Manganese Bronze
- Solid Bar** 1/4" - 4" diameter (extruded & drawn)
- Solid Bar** 4 1/4" - 16" (cast and turned)

Typical Uses

- Aerospace :** Landing Gear Parts, Strut Bushings
- Fasteners:** Screw Machine Parts, Bearings, Bushings, Gears, Lead Screw Nuts
- Marine:** Hardware, Valve Seats, Gears, Nuts
- Other:** Connecting Rods, Slow Speed Heavy Load Bearings, Gears, Gibs, Cams
- Other Industrial:** Clutch Bearings, Shaft Bearings, Propeller Shafts, Sleeve Bearings, Thrust Bearings, Pump Parts, Seal rings, Spindles, Cylinder Liners, Idler Pins, Drive Shafts, Piston Heads, Hydraulic Pump Parts, Bearings, Bushings, Bearing Pins, Wear Plates, Gears and Cams

Similar or Equivalent Specification

CDA	ASTM	ASARCON	SAE	AMS	FEDERAL	INGOT	MILITARY	OTHER
C67300	ASTM B-249		SAE J463, J461					

Chemical Composition

Alloy	Cu%	Al%	Fe%	Pb%	Mn%	Ni%	Si%	Sn%	Zn%
C67300	58.0 - 63.0 60.5 nominal	.25	.50	.40 - 3.0 1.7 nominal	2.0 - 3.5 2.7 nominal	.25	.50 - 1.5 1.0 nominal	.30	Remainder 34.1 nominal

Room temp tensile & hardness data

Form	Temper	Tensile Strength (ksi) min	Yield Strength (ksi) min	Elongation in HD min	Brinell (3000 kg)
Rod	Extruded	68	48	12%	126

Physical Properties

Machinability Rating

70