

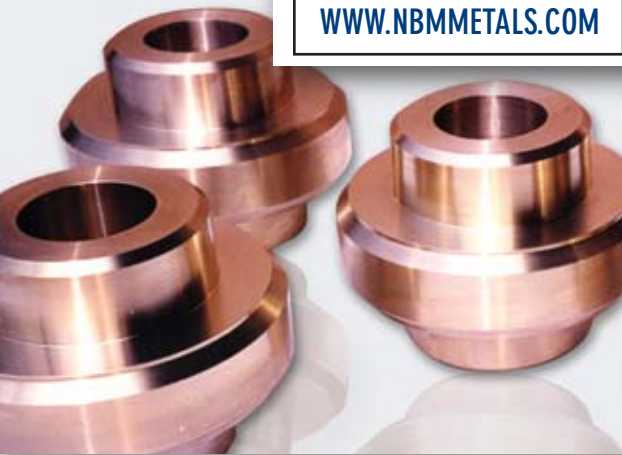


C67300

MANGANESE BRONZE

WWW.NBMMETALS.COM

LEADING MANUFACTURER & MASTER DISTRIBUTOR OF BRASS, BRONZE, & COPPER ALLOYS



Offered in solid & hollow bars.

This is a high strength leaded silicon manganese bronze with typically good bearing qualities. This alloy maintains high impact resistance with excellent machinability making it well suited for clutch bearings, shaft bushings, sleeve bearings, thrust bearings, pump parts, drive shafts, bearing pins, wear plates, gears and cams. Resists squashing out under high loads and extreme wear applications.

Sizes Available From NBM

- SOLID BAR 1/4" - 4" diameter in extruded & drawn condition
- SOLID BAR 4 1/4" - 16" diameter in cast & turned condition
- HOLLOW BAR in the above O.D. size ranges available upon request

Spec Equivalents

- ASTM B-249
- SAE J463, J461

Chemical Composition

	Cu ⁽¹⁾	Al	Fe	Pb	Mn	Ni ⁽²⁾	Si	Sn	Zn
min/max	58.0-63.0	.25	.50	.40-3.0	2.0-3.5	.25	.50-1.5	.30	Rem
nominal	60.5	-	-	1.7	2.7	-	1.0	-	34.1

(1) Cu value includes Ag.
 (2) Ni value includes Co.
 Note: Cu + Sum of Named Elements, 99.5% min.

General Notes

We also offer C67310 with elevated hardness suitable for the manufacturing of gear blanks.

A special C67300 modified, "low lead" grade of C67300 which is suitable for hot forging applications is also available.

Typical Uses

Aerospace

Landing Gear Parts, Strut Bushings

Fasteners

Screw Machine Parts, Bearings, Bushings, Gears, Lead Screw Nuts

Other Industrial

Clutch Bearings, Shaft Bushings, 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

Marine

Hardware, Valve Seats, Gears, Nuts

Other

Connecting Rods, Slow Speed Heavy Load Bearings, Gears, Gibs, Cams



NATIONAL BRONZE & METALS, INC.

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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

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