



SHREE EXTRUSIONS LIMITED



C67300

MANGANESE BRONZE

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
UNS	C66800
UNS	C67400
UNS	C67420

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.

TYPICAL USES C67300 Manganese Bronze:

FASTENERS: Fasteners, Lead Screw Nuts **INDUSTRIAL:** Gears and Cams, Wear Plates, Bushings, Seal Rings, Idler Pins, Piston Heads, Brearing Pins, Thrust Bearings, Sleeve Bearings, Propeller Shafts, Shaft Bushings, Clutch Bearings, Drive Shafts, Spindles, Pump Parts, Bearings **MARINE:** Hardware, Valve Seats **OTHER:** Connecting Rods

CHEMICAL COMPOSITION

	Al	Cu	Fe	Pb	Mn	Ni	Si	Sn	Zn
Min/Max	0.25	58.0 - 63.0	0.5	0.40 - 3.0	2.0 - 3.5	0.25	0.50 - 1.5	0.3	Rem
Nominals	-	60.5000	-	1.7000	2.7000	-	1.0000	-	34.1000

PHYSICAL PROPERTIES

Product Property	US Customary
Coefficient of Thermal Expansion	11 Å • 10-6 per oF (68-572 F)
Density	.30 lb/in ³ at 68 F
Electrical Conductivity	22 %IACS @ 68 F
Melting Point - Liquidus	1605 F
Modulus of Elasticity in Tension	17000 ksi
Specific Gravity	8.30
Thermal Conductivity	55 Btu Å • ft/(hr Å • ft ² Å • oF)at 68F

SIZES AVAILABLE :

ROUND RODS	8mm To 100 mm
HEX	10mm To 60mm
SQUARE	10mm To 60mm
FLAT	10mm Min Thickness and max Width 120mm
BILLETS	Up to 200 mm
INGOTS	As per Specification

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