



SHREE EXTRUSIONS LIMITED



C66800 MANGANESE BRONZE

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	C67300
European	C67400

Excellent hot and cold workability; good forge ability. Fabricated by bending, coining, coppersmith, drawing and upsetting, hot forging and pressing, knurling, roll threading, shearing, spinning, swaging, and stamping.

TYPICAL APPLICATIONS:

Industrial: Gears, Sealing Rings, Thrust Bearings, Bushings, Cams, Spindles, Bearings, Idler Pins, Connecting Rods, Drive Shafts, Valve Seats, Sleeve Bearings, Piston Heads
Marine: Pump Parts, Hardware, High Strength

CHEMICAL COMPOSITION

	Cu	Al	Fe	Pb	Mn	Ni	Si	Sn	Zn
Min./Max.	60.0-63.0	.25	.35	.50	2.0-3.5	.25	.50-1.5	.30	Rem.
Nominal	61.5	-	-	-	2.7	-	1.0	-	-

PHYSICAL PROPERTIES

Modulus of Elasticity in Tension	16700 ksi
Density	0.300 lb/in ³
Melting Range	1690 - 1730
Coefficient of Expansion	(68 to 572oF) 11 +in/in oF
Thermal Conductivity	55 Btu/ft h oF
Electrical Conductivity	21 % IACS
Electrical Resistivity	54 Ω (circ mil/ft)
Relative Magnetic Permeability	<1.02

SIZES AVAILABLE :

HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6 mm To 130 mm
HEX	5 mm To 60 mm
SQUARE	4 mm To 60 mm
FLAT	5mm Min Thickness and max Width 120 mm
PROFILES / SECTIONS	As per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	As per Specification

Regd. Office & Works:
 217/218 Phase-II, Okha Rajkot Road, Dared, Jamnagar - 361 004. INDIA
 Tel.: +91 - 288 - 2730118 | Mobile: +91 - 9328105172
 mail@shree-extrusion.com | www.shree-extrusion.com



NABL / ISO : 15189
 Accreditation Number M - 0000



Quality, Technology & Vision at it's Best...