



MANGANESE BRONZE B

EQUIVALENT SPECIFICATIONS

ISO	CuAl8Fe3
Europe	CuAl8Fe3
BSI	AS 106
JIS	C 6140

C67000 : 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 USES :

INDUSTRIAL: Forgings, Corrosion Resistance, Wearability, Fatigue Resistance, High Strength.

CHEMICAL COMPOSITION

	Cu	Al	Fe	Pb	Mn	Sn	Zn
Min./Max.	63.0-68.0	3.0-6.0	2.0-4.0	0.20 max	2.5-5.0	0.50max	Rem.
Nominal		-	-	-	-	-	

PHYSICAL PROPERTIES

Melting Point - Liquidus °F	1652
Densitylb/cu in. at 68°F	0.286
Specific Gravity	7.92
Electrical Conductivity% IACS at 68°F	22
Thermal ConductivityBtu/ sq ft/ ft hr/ °F at 68°F	57
Coefficient of Thermal Expansion 68-57210 ⁻⁶ per °F (68 - 572°F)	11.9

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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