



# Metal Alloys Corporation



## HIGH LEADED BRASS "64%"

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn34Pb2
European	CuZn35Pb2
JIS	C3560
Russian	LS63-2

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:** Pinions, Gears, Valve Stems, Flare Fittings, Adapters, Couplings

**Plumbing:** Plumbing Fittings, Plumbers' Brass Goods

### CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn
Min/Max	59.0 - 63.0	0.07	0.3	Rem
Nominals	60.0000	-	-	40.0000

### PHYSICAL PROPERTIES

Coefficient of Thermal Expansion	11.6 $\hat{A}$ • 10 <sup>-6</sup> per oF (68-572 F)
Density	0.303 lb/in <sup>3</sup> @ 68 F
Electrical Conductivity	28 %IACS @ 68 F
Electrical Resistivity	37.0 ohms-cmil/ft @ 68 F
Melting Point Liquid US	1660 F
Melting Point Solid US	1650 F
Modulus of Elasticity in Tension	15000 ksi
Modulus of Rigidity	5600 ksi
Specific Gravity	8.39
Specific Heat Capacity	0.09 Btu/lb/ $\hat{A}$ • °F @ 68 F
Thermal Conductivity	71.0 Btu $\hat{A}$ • ft/(hr $\hat{A}$ • ft <sup>2</sup> $\hat{A}$ • °F) @ 68 F

### SIZES AVAILABLE :

WIRE	1mm To 8 mm
HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6mm To 130 mm
HEX	5mm To 60mm
SQUARE	4mm To 60mm
FLAT	5mm Min Thickness and max Width 120mm
PROFILES / SECTIONS	AS per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	AS per Specification

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