



## ARCHITECTURAL BRONZE "LOW LEADED" BRASS

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn40Pb2
European	CuZn40Pb2
BS	CZ-122
JIS	C 3561
Russian	LS59-3

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:

**ARCHITECTURE:** Thresholds, Architectural Sections, Door Frames, Window Frames

**BUILDERS HARDWARE:** Hinges, Builders Hardware, Butts

**OTHER:** Extruded Shapes

### CHEMICAL COMPOSITION

	Al	Cu	Fe	Pb	Sn	Zn
Min/Max	0.5	55.0 - 60.0	0.35	1.5 - 2.5	0.3	Rem
Nominals	-	57.5000	-	2.0000	-	-

### PHYSICAL PROPERTIES

Coefficient of Thermal Expansion	11.5 • 10 <sup>-6</sup> per oF (68-572 F)
Density	0.305 lb/in <sup>3</sup> @ 68 F
Electrical Conductivity	27 %IACS @ 68 F
Electrical Resistivity	38.4 ohms-cmil/ft @ 68 F
Melting Point Liquid US	1640 F
Melting Point Solid US	1620 F
Modulus of Elasticity in Tension	15000 ksi
Modulus of Rigidity	5600 ksi
Specific Gravity	8.44
Specific Heat Capacity	0.09 Btu/lb/°F @ 68 F
Thermal Conductivity	69.0 Btu • ft/(hr • ft <sup>2</sup> • °F) @ 68 F

### SIZES AVAILABLE :

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

Regd. Office & Plant

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