



# SHREE EXTRUSIONS LIMITED

## C38500 ARCHITECTURAL BRONZE

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn39Pb3
European	CuZn39Pb3
BS	CZ-121
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:** Elevator Trim, Thresholds, Door Frames, Handrails, Terrazzo Strip, Shower Doors, Privacy Sun Grills, Trim, Store Fronts, Architectural Forgings, extrusions, Architectural Moldings, Window Mullions, Bathroom Partition Brackets

**BUILDERS HARDWARE:** Hinges, Drawer Pulls, Lock Cams, butts, Slide Bolts, Lock Bodies, Drawer Handles

**CONSUMER:** Picture Frames, Funeral Urns, Lamps, Fireplace Screens, Straight Edges, Handles, Hot Combs (to straighten hair), Squeegee Retainers

### CHEMICAL COMPOSITION

	Cu	As	Pb	Zn
Min/Max	55.0 - 59.0	0.35	2.5 - 3.5	Rem
Nominals	57.0000	-	3.0000	40.0000

### PHYSICAL PROPERTIES

Coefficient of Thermal Expansion	11.65 • 10 <sup>-6</sup> per oF (68-572 F)
Density	0.306 lb/in <sup>3</sup> @ 68 F
Electrical Conductivity	28 %IACS @ 68 F
Electrical Resistivity	37 ohms-cmil/ft @ 68 F
Melting Point Liquid US	1630 F
Melting Point Solid US	1610 F
Modulus of Elasticity in Tension	14000 ksi
Modulus of Rigidity	5300 ksi
Specific Gravity	8.47
Specific Heat Capacity	0.09 Btu/lb/°F @ 68 F
Thermal Conductivity	71.0 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

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