



THREADED ROLLING BRASS

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn37Pb2
European	CuZn37Pb2
Czech Republic	CuZn37Pb2
BS	Cz119

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:

Builders Hardware: Drawer Pulls, Hinges, Drawer Handles

Consumer: Bicycle Spoke Nipples, Clock and Watch Parts, Clock Plates and Nuts, Key Blanks

Fasteners: Nuts, Rivets, Screws

Industrial: Ratchets, Instrument Backs, Automatic Screw Machine Parts, Valve Stems, Pinions, Flare Fittings, Couplings, Bearing Cages, Channel Plate, Wheels, Gears, Adapters

Other: Engravers Plate

Plumbing: Faucet Seats, Faucet Stems, Pipe Fittings, Plumbers Fittings, Plumbers' Brass Goods

CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn
Min./Max.	60.0-63.0	.15	1.5-2.5	Rem.
Nominal	61.5	-	2.0	36.5

PHYSICAL PROPERTIES

Melting Point - Liquidus	1670 F
Melting Point - Solidus	1630 F
Density	0.306 lb/in ³ at 68 F
Specific Gravity	8.470
Electrical Resistivity	39.90 ohms-cmil/ft @ 68 F
Electrical Conductivity	26 %IACS @ 68 F
Thermal Conductivity	67 Btu • ft/(hr • ft ² • oF) at 68F
Coefficient of Thermal Expansion	11.30 • 10 ⁻⁶ per oF (68-572 F)
Modulus of Elasticity in Tension	15000 ksi
Modulus of Rigidity	5600 ksi

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

Regd. Office & Plant

Plot No. 6 & 7, Village: Lakhavaval, Post: Khodiyar Colony, Jamnagar - 361006.

Tel.: +91-288-2889251 / 52, Fax: +91-288-2889223, Cell: +91-9924443396

Email: info@metalalloyscorp.com • web: www.metalalloyscorp.com



ENGINEERS INDIA LIMITED
(A Govt. of India Undertaking)