



# SHREE EXTRUSIONS LIMITED

## C27200 YELLOW BRASS "63.5%"

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
European	CuZn36
Czech Republic	CuZn36

CuZn37 is the major brass alloy for the cold forming process. Even though brasses with lower Zinc content have better cold forming properties, CuZn37 is the most used alloy. Reasons for this are on the one hand economical due to lower price of Zinc compared to Copper, on the other hand the forming properties of this alloy meet the demand of many applications

### TYPICAL APPLICATIONS:

**Fasteners:** Fasteners, Fasteners

**Industrial:** Cold Headed Parts, Heat Exchanger Shells, Pump Cylinder Liners

### CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn
Min/Max	62.0 - 65.0	.07	.07	Rem
Nominals	63.5	-	-	36.5

### PHYSICAL PROPERTIES

Melting Point - Liquidus	1680 F
Density	0.305 lb/in <sup>3</sup> at 68 F
Specific Gravity	8.440
Electrical Conductivity	27.60 %IACS @ 68 F
Thermal Conductivity	67 Btu • ft/(hr • ft <sup>2</sup> • oF) at 68F
Coefficient of Thermal Expansion	11.40 • 10 <sup>-6</sup> per oF (68-572 F)
Specific Heat Capacity	0.090 Btu/lb/oF at 68 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 & Works:  
217/218 Phase-II, Okha Rajkot Road, Dared, Jamnagar - 361 004. INDIA  
Tel.: +91 - 288 - 2730118 | Mobile: +91 - 9328105172  
mail@shree-extrusion.com | www.shree-extrusion.com



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