



**Adinath**  
Create, Enhance & Sustain

## CuZn37:LEAD FREE BRASS

### Specification Sheet

#### DESCRIPTION

CuZn37 is a lead free brass with Copper content of more than 62% and Zinc content of 37%. This alloy is perfectly suitable for cold working operations and is characterized by high standards of purity. The high content of zinc contributes to higher tensile strength, and also helps making it one of the most cost effective brass alloys.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Oi
Min (%)	62.00	-	-	-	Balance	-	-	-
Max (%)	64.00	0.05	0.10	0.30		0.10	0.10	0.10

Note: Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

#### SHAPE



**SOLID ROUND BARS**  
Size Range :  
Dia 8 mm up to 120 mm



**SOLID HEX BARS**  
Size Range :  
A/F 10 mm up to 100 mm



**SOLID SQUARE BARS**  
Size Range :  
A/F 10 mm up to 90 mm



**SOLID RECTANGLE BARS**  
Size Range :  
A/F 10 x 12 mm up to 100 x 50 mm



**HOLLOW BARS**  
Outer Diameter : In Round, Hex & Square  
Size Range : 30 mm up to 120 mm  
Inner Diameter : Round  
Size Range : 20 mm up to 80 mm



**PROFILES & SECTIONS**  
As per Customers' Drawing



**BAR LENGTH**  
Length : Up to 4 Meters.  
Delivery Condition : As Extruded or Cold Drawn.

**STRAIGHT KNURLING**



**CROSS KNURLING**



Straight Knurling & Cross Knurling will be available upon shape & size Feasibility of Brass Rod

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## MECHANICAL PROPERTIES

UTS (MPA)	PS MIN (MPA)	ELONGATION MIN (%)	HARDNESS (HRB)
510	379	10	80

## PACKING



-  PVC Pipe Packing for Small Diameter Rods.
-  Hessian Cloth Packing.
-  Wooden Box Packing as per Customer requirements.

## FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	35

## TYPICAL USES

Product Category	Product
Industrial	Automatic Screw Machine Parts.

## VALUE ADDED SERVICES

AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent quality control at each stage. Our ability to reclaim swarf and machined chips allows us to offer competitive pricing for the parts that we either extrude or cast.

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## Casting Range



🔧 25 Grams to 10 Kgs

## Forging Sizes



🔧 50 Grams to 6 Kgs

## Machining Sizes



🔧 1 mm to 200 mm

### CONNECT WITH US Adinath Extrusion Pvt. Ltd.

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