



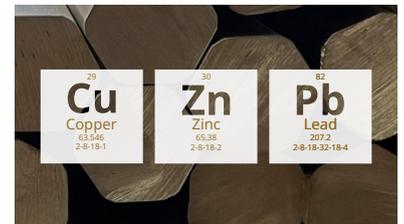
# Adinath

Create, Enhance & Sustain

## IS:6912 FLB:FORGING BRASS Specification Sheet

### DESCRIPTION

IS 6912: FLB is an Forging alloy as per the Indian Standard. FLB Forging alloy contains low lead and hence has an excellent formability for hot forgings along with good machining.



### CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	56.50	-	Balance	0.60	-
Max (%)	60.00	0.30		2.00	0.75

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

### SHAPE



#### SOLID ROUND BARS

**Size Range :**  
Dia 5 mm up to 120 mm.



#### SOLID HEX BARS

**Size Range :**  
A/F 5 mm up to 100 mm.



#### SOLID SQUARE BARS

**Size Range :**  
A/F 5 mm up to 90 mm.



#### SOLID RECTANGLE BARS

**Size Range :**  
A/F 6 x 8 mm up to 100 x 50 mm.



#### HOLLOW BARS

**Outer Diameter :** In Round, Hex & Square.

**Size Range :** 24 mm up to 120 mm.

**Inner Diameter :** Round

**Size Range :** 12 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

# IS:6912 FLB:FORGING BRASS



## MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 1.5 to 75 Inclusive	310	-	25	-
Hex (A/F)				
Range (mm)	UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 3 to 70 Inclusive	310	-	25	-
Square (A/F)				
Range (mm)	UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 3 to 60 Inclusive	310	-	25	-
Rectangle				
Range (mm)	UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 3 to 50 Inclusive	310	-	25	-

## PACKING



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

## TYPICAL USES

Product Category	Product
Builders Hardware	Builders Hardware, Butts, Hinges.
Architecture	Architectural Sections, Door Frames, Thresholds, Window Frames.

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## 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.

### 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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