



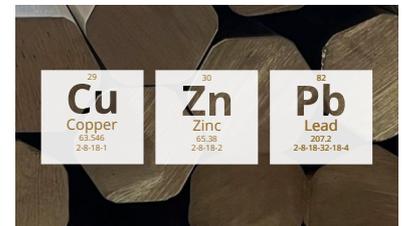
Adinath

Create, Enhance & Sustain

CZ122:FORGING BRASS Specification Sheet

DESCRIPTION

Cz122 is one of the most common and preferred grade used in the Forging Industry. Also known as Stamping Brass, it has excellent capacity for Hot forming and is easy to machine where high quality surface can be achieved. CZ122 also exhibits good resistance against corrosion. All these properties makes it an excellent choice to produce complex hot pressed components.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	56.50	-	Balance	1.50	-
Max (%)	58.50	0.30		2.50	0.70

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 RECTANGLE BARS

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



SOLID HEX BARS

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



SOLID SQUARE BARS

Size Range :
A/F 5 mm up to 90 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

CZ122:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Hex (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Square (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Rectangle					
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)	
Thickness	Over 4 to 18 Inclusive	380	-	25	-
	Over 18 to 40 Inclusive	380	-	25	-
	Over 40 to 50 Inclusive	350	-	28	-

CZ122:FORGING BRASS



PACKING



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

TYPICAL USES

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

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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