



Adinath

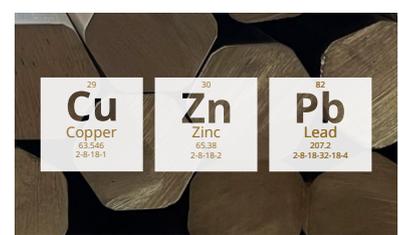
Create, Enhance & Sustain

CZ128:FORGING BRASS

Specification Sheet

DESCRIPTION

Forgings made from Copper based alloys offer a number of advantages over products made by other processes. Hot forgings are used in virtually every industry: pipe fittings, domestic faucets, radiator valves, gas appliances, window and door hardware being merely a few typical examples of the products which can be manufactured by this process.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	58.50	-	Balance	1.50	-
Max (%)	61.00	0.20		2.50	0.50

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 8 mm up to 100 mm.



SOLID SQUARE BARS
Size Range :
 A/F 8 mm up to 90 mm.



SOLID RECTANGLE BARS
Size Range :
 A/F 8 x 10 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

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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	-	22	-	
Over 18 to 40 Inclusive	380	-	22	-	
Over 40 to 75 Inclusive	350	-	25	-	
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	-	22	-	
Over 18 to 40 Inclusive	380	-	22	-	
Over 40 to 75 Inclusive	350	-	25	-	
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	-	22	-	
Over 18 to 40 Inclusive	380	-	22	-	
Over 40 to 60 Inclusive	350	-	25	-	
Over 60 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	-	22	-
	Over 18 to 40 Inclusive	380	-	22	-
	Over 40 to 50 Inclusive	350	-	25	-

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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, Furniture.
Architecture	Architectural Sections, Door Frames, Thresholds, Window Frames.
Industrial	Valve, Valve Parts, Gears, Cams.

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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