



Adinath

Create, Enhance & Sustain

CZ108:LEAD FREE BRASS

Specification Sheet

DESCRIPTION

CZ108 is also known as basic brass with Copper Content of more than 62%. Because of its hot and cold working capabilities, it is one of the most popular grades for plates and sheets. This grade has good corrosion resistance properties in certain natural conditions along with good cold heading properties. It offers good machinability but at slow speeds.



CHEMICAL COMPOSITION

Element	Cu	Zn	Pb	Oi
Min (%)	62.00	Balance	-	-
Max (%)	65.00		0.30	0.60

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 will be available upon shape & size Feasibility of Brass Rod

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MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 2 to 75 Inclusive	460 - 620	-	-	-
HEX (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 70 Inclusive	460 - 620	-	-	-
Square (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 60 Inclusive	460 - 620	-	-	-
Rectangle				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Thickness	Over 3 to 50 Inclusive	460 - 620	-	-

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
Fasteners	Eyelets, Fasteners, Grommets, Pins, Rivets, Screws.

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Product Category	Product
Industrial	Bead Chain, Chain, Springs.

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



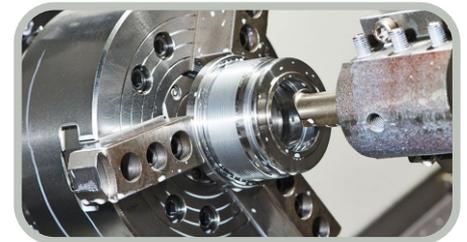
🌐 25 Grams to 10 Kgs

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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