



Adinath

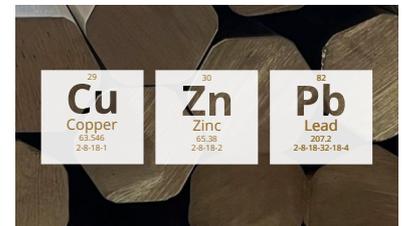
Create, Enhance & Sustain

IS:8737:MODIFIED FORGING BRASS

Specification Sheet

DESCRIPTION

IS 8737 is the Indian Standard to make Valve Fittings used for LPG Cylinders. The addition of Lead content in the alloy improves the machinability of the forged components whereas Manganese acts as a strengthening agent. Because of the unique combination of properties, it is a perfect choice to produce LPG Valves and Components.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Mn	Oi
Min (%)	56.50	-	Balance	1.00	0.50	-
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

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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 2 to 75 Inclusive	392	-	18	-
Hex (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 3 to 70 Inclusive	392	-	18	-
Square (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Over 3 to 60 Inclusive	392	-	18	-

PACKING



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

TYPICAL USES

Product Category	Product
Industrial	LPG Valves

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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