



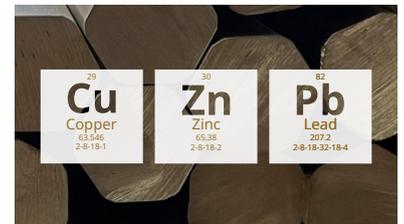
Adinath

Create, Enhance & Sustain

C3771: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	Zn	Pb	Sn+Fe
Min (%)	57.00	Balance	1.00	-
Max (%)	61.00		2.50	1.00

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

C3771:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)						
Range (mm)		UTS Min (MPA)	PS Min	Elongation Min (%)	Hardness (HRB)	
Over 6 to 75 Inclusive		315	-	15	-	
Hex (A/F)						
Range (mm)		UTS Min (MPA)	PS Min	Elongation Min (%)	Hardness (HRB)	
Over 6 to 70 Inclusive		315	-	15	-	
Square (A/F)						
Range (mm)		UTS Min (MPA)	PS Min	Elongation Min (%)	Hardness (HRB)	
Over 6 to 60 Inclusive		315	-	15	-	
Rectangle						
Range (mm)		UTS Min (MPA)	PS Min	Elongation Min (%)	Hardness (HRB)	
Thickness	Over 6 to 50 Inclusive	315	-	15	-	

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.

C3771:FORGING BRASS



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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