



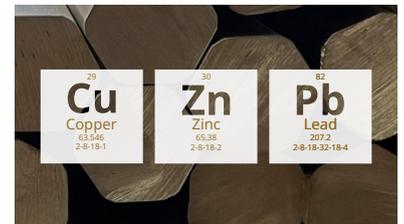
Adinath

Create, Enhance & Sustain

C-37000:FORGING BRASS Specification Sheet

DESCRIPTION

C37700 Forging Brass exhibits excellent capacity of being hot worked which makes it an ideal choice to produce more complex hot pressed components. The lower lead content of this alloy makes it suitable for forging applications as well as machining operations. It is widely used for press and hammer forgings where machinability and corrosion resistance properties are required.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	59.00	-	Balance	0.80	-
Max (%)	62.00	0.15		1.50	0.40

Note: Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

SHAPE



SOLID ROUND BARS

Size Range :
Dia 10 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 8 x 10 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



Straight Knurling & Cross Knurling will be available upon shape & size Feasibility of Brass Rod

C-37000:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)
Over 2 to 40 Inclusive	410	230	12	78
Hex (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive	410	230	12	78
Square (A/F)				
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)
Over 2 to 35 Inclusive	410	230	12	78

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	Good	70

TYPICAL USES

Product Category	Product
Industrial	Automatic Screw Machine Parts.

C-37000: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.

 Plot No. 4051-4055,
Bhagwan Mahavir Swami Marg,
G.I.D.C., Phase-III, Dared,
Jamnagar - 361004, Gujarat, India.

 +91 7600 55 9243  +91 288 2730868
 sales@adinathextrusion.com,
marketing@adinathextrusion.com
 www.adinathextrusion.com

