



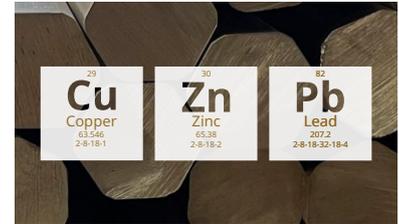
**Adinath**  
Create, Enhance & Sustain

## CW608N:FORGING BRASS

### Specification Sheet

#### DESCRIPTION

CW608N is a high copper content alloy with additions of lead which gives the alloy its forging properties. Also known as engraving brass, it offers a good combination of strength, corrosion resistance and excellent capacity for hot forming with excellent machining qualities.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Oi
Min (%)	60.00	-	-	-	Balance	1.60	-	-
Max (%)	61.00	0.05	0.20	0.30		2.50	0.20	0.20

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 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



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

# CW608N:FORGING BRASS



## MECHANICAL PROPERTIES

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

## 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	Fair	90

## TYPICAL USES

Product Category	Product
Builders	Builders Hardware, Butts, Hinges, Furniture.
Architecture	Architectural Sections, Door Frames, Thresholds, Window Frames.
Industrial	Valve, Valve Parts, Gears, Cams.

# CW608N: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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