



# Adinath

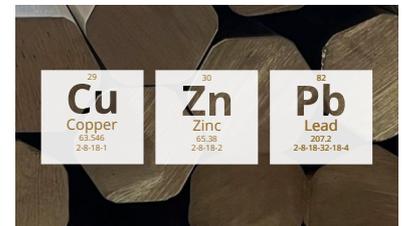
Create, Enhance & Sustain

## CW605N:LEADED BRASS

### Specification Sheet

#### DESCRIPTION

Leaded brasses set the standard by which the machinability of other materials is judged and is also available in a very wide variety of product forms and sizes to allow minimum machining to finished dimensions. Leaded brass is used for its excellent machinability, good strength and atmospheric corrosion resistance. While all brasses are intrinsically easy to machine, the addition of small amounts of lead to brasses further improves this property.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	OI
Min (%)	61.00	-	-	-	Balance	0.80	-	-
Max (%)	62.00	0.05	0.20	0.30		1.60	0.20	0.50

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



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	340	160	25	90 - 140
Hex (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 70 Inclusive	340	160	25	90 - 140
Square (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 60 Inclusive	340	160	25	90 - 140

## 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	80

## TYPICAL USES

Product Category	Product
Others	Precision Components Machining with Riveting operation.

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## VALUE ADDED SERVICES

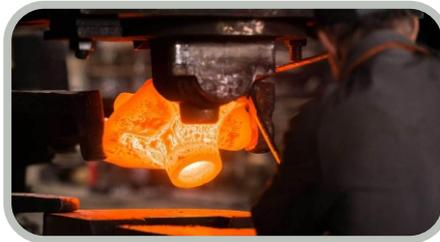
AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent 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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