



# Adinath

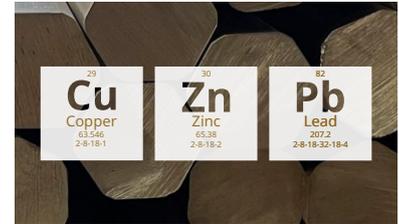
Create, Enhance & Sustain

## C-34500:LEADED BRASS

### Specification Sheet

#### DESCRIPTION

C34500 is a Leaded Brass with Machinability rating of 90% and excellent formability. It possess moderate strength and has fair capacity for cold work. The alloy is very similar to C35300, but optimized to provide better bending performance.



#### CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	62.00	-	Balance	1.50	-
Max (%)	65.00	0.15		2.50	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 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

# C-34500:LEADED BRASS



## MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 2 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 75 Inclusive	345 - 425	140	15	40 - 70
Hex (A/F)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 70 Inclusive	345 - 425	140	15	40 - 70
Square (A/F)				
Range (mm)	UTS (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 3 to 12 Inclusive	395 - 555	170	7	60 - 80
Over 12 to 25 Inclusive	380 - 485	170	10	50 - 75
Over 25 to 60 Inclusive	345 - 425	140	15	40 - 70

## 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	90

# C-34500:LEADED BRASS



## TYPICAL USES

Product Category	Product
Industrial	Adapters, Couplings, Flare Fittings, Gears, Pinions, Valve Stems.
Plumbing	Plumbers' Brass Goods, Plumbing Fittings.

## 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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