



Adinath

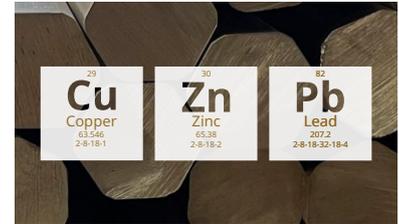
Create, Enhance & Sustain

C-36500:FORGING BRASS

Specification Sheet

DESCRIPTION

C36500 alloy contains nominal percentage of lead which makes it an excellent choice for hot working. Because of its attractive reddish colour, it has found a prominent place in decorative and architectural applications. Also known as Leaded Muntz Metal, C36500 alloy has also been used in Shipbuilding industry and acts as a preferred choice for tubesheets and condenser plates in pressure vessel industry because of its corrosion resistance properties.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb
Min (%)	58.00	-	Balance	0.25
Max (%)	61.00	0.15		0.70

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

SHAPE



SOLID ROUND BARS
Size Range :
 Dia 6 mm up to 120 mm.



SOLID HEX BARS
Size Range :
 A/F 6 mm up to 100 mm.



SOLID SQUARE BARS
Size Range :
 A/F 6 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

C-36500:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (KSI)	PS Min (KSI)	Elongation Min (%)	Hardness (HRB)
Over 4 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 75 Inclusive	310	135	25	-
Over 75 to 100 Inclusive	-	-	-	-
100 and Above	-	-	-	-
Hex (A/F)				
Range (mm)	UTS Min (KSI)	PS Min (KSI)	Elongation Min (%)	Hardness (HRB)
Over 4 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 75 Inclusive	310	135	25	-
Over 75 to 100 Inclusive	-	-	-	-
100 and Above	-	-	-	-
Square (A/F)				
Range (mm)	UTS Min (KSI)	PS Min (KSI)	Elongation Min (%)	Hardness (HRB)
Over 4 to 12 Inclusive	430	190	10	-
Over 12 to 25 Inclusive	380	180	12	-
Over 25 to 50 Inclusive	330	165	20	-
Over 50 to 75 Inclusive	310	135	25	-
Over 75 to 100 Inclusive	-	-	-	-
100 and Above	-	-	-	-

PACKING



-  PVC Pipe Packing for Small Diameter Rods.
-  Hessian Cloth Packing.
-  Wooden Box Packing as per Customer requirements.

C-36500:FORGING BRASS



FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	60

TYPICAL USES

Product Category	Product
Consumer	Key Blanks.
Industrial	Condenser Tube, Condenser Tube Plates, Engraving Plates, Heat Exchanger Baffles, Heat Exchanger Plates, Support Sheets.
Others	Main Tube Sheets for Condensers and Heat Exchangers.

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

