



Adinath

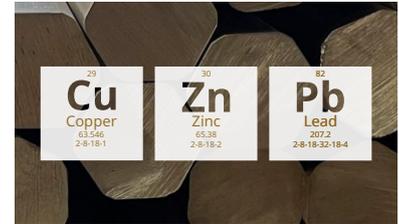
Create, Enhance & Sustain

CZ129:FORGING BRASS

Specification Sheet

DESCRIPTION

Cz129 also known as Bending Brass is an 60/40 Copper Zinc alloy with minor additions of Lead. It has excellent hot working capacity with good machinability. Commonly used for hot stampings, CZ 129 has also good cold workability and improved ductility. This combination of properties makes it a preferred choice where machining is required.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	58.50	-	Balance	0.80	-
Max (%)	61.00	0.20		1.50	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 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

CZ129:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Hex (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 70 Inclusive	350	-	28	-	
Square (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 4 to 18 Inclusive	380	-	25	-	
Over 18 to 40 Inclusive	380	-	25	-	
Over 40 to 70 Inclusive	350	-	28	-	
Rectangle					
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)	
Thickness	Over 4 to 18 Inclusive	380	-	25	-
	Over 18 to 40 Inclusive	380	-	25	-
	Over 40 to 50 Inclusive	350	-	28	-

PACKING



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

CZ129:FORGING BRASS



FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	80

TYPICAL USES

Product Category	Product
Builders Hardware	Fittings, Hardware, Lock Bodies.
Consumer	Key Blanks.
Industrial	Adapters, Automatic Screw Machine Parts, Faucet Components, Fluid Connectors, Gauges, Gears, Nozzles, Pinions, Pneumatic Fittings, Screw Machine Products, Unions, Valve Seats, Valve Trim.

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



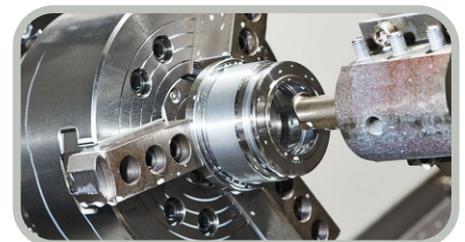
25 Grams to 10 Kgs

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

