



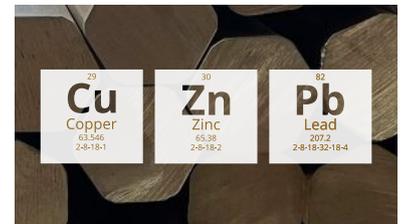
**Adinath**  
Create, Enhance & Sustain

# CZ132:DZR LEADED BRASS/ ARSENICAL BRASS

## Specification Sheet

### DESCRIPTION

Cz132 or DZR Brass is the standard alloy for resistance to dezincification. This alloy is also known as Leaded Arsenical Brass which was developed for the production of components which can withstand contact with sea water and aggressive environments. CZ132 offers good strength, high machinability and ductility and can be easily hot forged. DZR Brass is ideal for water fittings produced by the way of hot stamping and machining.



### CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Sn	As	Oi
Min (%)	Balance	-	35.00	1.70	-	0.08	-
Max (%)		0.20	37.00	2.80	0.20	0.15	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 (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 6 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	22	-
Over 40 to 75 Inclusive		350	-	25	-
Hex (A/F)					
Range (mm)		UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 6 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	22	-
Over 40 to 70 Inclusive		350	-	25	-
Square (A/F)					
Range (mm)		UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Over 6 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	22	-
Over 40 to 60 Inclusive		350	-	25	-
Rectangle					
Range (mm)		UTS Min (N/MM <sup>2</sup> )	PS Min (N/MM <sup>2</sup> )	Elongation Min (%)	Hardness (HRB)
Thickness	Over 6 to 18 Inclusive	380	-	20	-
	Over 18 to 40 Inclusive	350	-	22	-
	Over 40 to 50 Inclusive	350	-	25	-

## PACKING



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

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## FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	75

## TYPICAL USES

Product Category	Product
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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