



Adinath

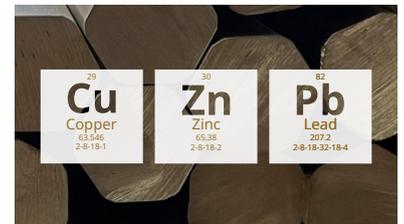
Create, Enhance & Sustain

CZ131/DTD627:FORGING BRASS

Specification Sheet

DESCRIPTION

Cz131 or commonly known as DTD 627 in the Asian Sub-continent, is a riveting and turning brass quality grade with improved ductility. This alloy offers a good corrosion resistance along with high strength characteristics which results in excellent formation for bending and cold heading. CZ131 contains higher amount of Copper percentage which makes it an ideal choice for components that require crimping and machining on the head parts.



CHEMICAL COMPOSITION

Element	Cu	Fe	Zn	Pb	Oi
Min (%)	61.00	-	Balance	1.50	-
Max (%)	63.00	0.20		2.50	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 10 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

CZ131/DTD627:FORGING BRASS



MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 3 to 18 Inclusive	350	-	22	-	
Over 18 to 40 Inclusive	350	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Hex (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 3 to 18 Inclusive	350	-	22	-	
Over 18 to 40 Inclusive	350	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Square (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Over 3 to 18 Inclusive	350	-	22	-	
Over 18 to 40 Inclusive	350	-	25	-	
Over 40 to 75 Inclusive	350	-	28	-	
Over 75 to 100 Inclusive	-	-	-	-	
100 and Above	-	-	-	-	
Rectangle					
Range (mm)	UTS Min (N/MM ²)	PS Min	Elongation Min (%)	Hardness (HRB)	
Thickness	Over 4 to 18 Inclusive	350	-	22	-
	Over 18 to 40 Inclusive	350	-	25	-
	Over 40 to 50 Inclusive	350	-	228	-

FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	70

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PACKING



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

TYPICAL USES

Product Category	Product
Builders Hardware	Builders Hardware, Windows Fittings.
Architecture	Architectural Sections, Door Frames, Thresholds, Window Frames, Furniture, Clock and Instruments.
Industrial	Valve, Valve Parts, Casings, Gears, Cams.

VALUE ADDED SERVICES

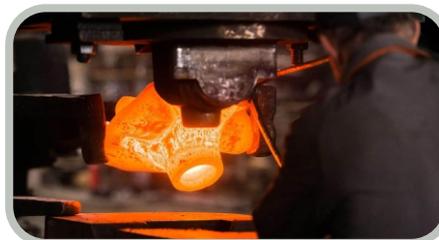
AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent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



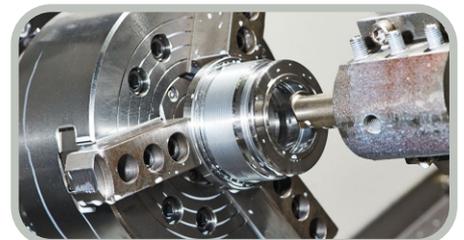
 25 Grams to 10 Kgs

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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