



Adinath

Create, Enhance & Sustain

CZ136:HIGH TENSILE BRASS

Specification Sheet

DESCRIPTION

Cz136 High Tensile Brass is also known as Manganese Brass contains 2% manganese, extrudes well and has a warm chocolate colour. It has excellent resistance to seizure and widely used in architectural fittings because of its attractive appearance.



CHEMICAL COMPOSITION

Element	Cu	Mn	Zn	Pb	Oi
Min (%)	56.00	0.50	Balance	-	-
Max (%)	59.00	1.50		3.00	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 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

CZ136:HIGH TENSILE BRASS



MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
4 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	25	-
Over 40 to 75 Inclusive		350	-	25	-
HEX (A/F)					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
4 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	25	-
Over 40 to 70 Inclusive		350	-	25	-
Square (A/F)					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
4 to 18 Inclusive		380	-	20	-
Over 18 to 40 Inclusive		350	-	25	-
Over 40 to 60 Inclusive		350	-	25	-
Rectangle					
Range (mm)		UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)
Thickness	4 to 18 Inclusive	380	-	20	-
	Over 18 to 40 Inclusive	350	-	25	-
	Over 40 to 60 Inclusive	350	-	25	-

PACKING



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

CZ136:HIGH TENSILE BRASS



FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	80

TYPICAL USES

Product Category	Product
Others	Valves LPG.

VALUE ADDED SERVICES

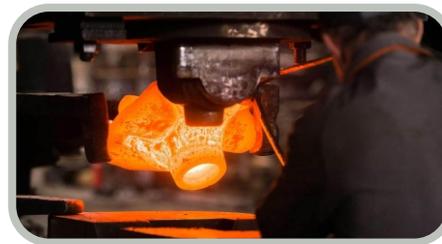
AEPL manufactures and supplies Copper Alloys Extruded Bars to Domestic as well as International Markets. Our customer base has a key advantage since our Foundries, Laboratories, Extrusion Mill, Shell Mouldings and CNC Machine shop are all located on a single site, which eliminates waste and allows excellent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



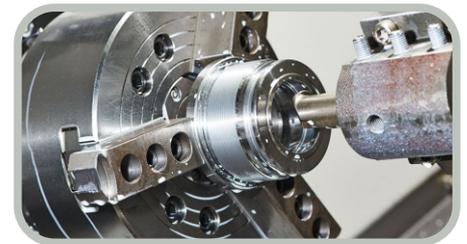
🔧 25 Grams to 10 Kgs

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

