



Adinath
Create, Enhance & Sustain

CW722R:HIGH TENSILE BRASS

DESCRIPTION

CW722R High Tensile Brass is similar to CW720R but with controlled additions of Aluminium content. This makes the alloy suitable for making high strength brass components which requires to be joined. Presence of Iron provides increased strength levels, while Tin improves the corrosion resistance of the alloy. CW722R has good machinability rating, ease of hot forging and is often referred as Manganese Bronze.

²⁹ Cu Copper 63.546 2-8:18-1	¹³ Al Aluminium 26.982 2-8:3	²⁵ Mn Manganese 54.938 2-8:18-2
²⁶ Fe Iron 55.845 2-8:14-2	⁸² Pb Lead 207.2 2-8:18:32-18:4	³⁰ Zn Zinc 65.38 2-8:18:2

CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Oi
Min (%)	56.50	-	0.20	-	0.80	Balance	0.80	0.20	-
Max (%)	58.50	0.10	1.20	0.30	1.80		1.60	1.00	0.30

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

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MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
40 to 75 Inclusive	440	200	20	-	
HEX (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
35 to 60 Inclusive	440	200	18	-	
Square (A/F)					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
35 to 60 Inclusive	440	200	18	-	
Rectangle					
Range (mm)	UTS Min (N/MM ²)	PS Min (N/MM ²)	Elongation Min (%)	Hardness (HRB)	
Thickness	40 to 50 Inclusive	440	180	20	-

PACKING



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

FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	100

TYPICAL USES

Product Category	Product
Industrial	Architectural applications, High strength components, Valves, Valve stems, Fittings, Marine fittings.

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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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