



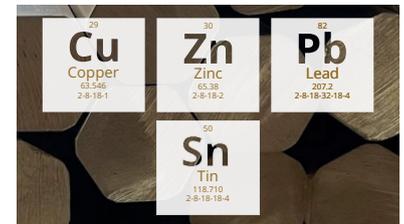
Adinath

Create, Enhance & Sustain

CW712R:NAVAL BRASS Specification Sheet

DESCRIPTION

CW712R is equivalent to CZ112 Naval Brass Alloy. The general composition of the alloy comes with 62% Copper, 39% Zinc and most importantly, 1% addition of Tin which offers superior strength and excellent corrosion resistance in seawater and other aggressive acidic environments. CW712R has good strength levels combined with an excellent hot formability.



CHEMICAL COMPOSITION

Element	Cu	Fe	Ni	Zn	Pb	Sn	Oi
Min (%)	61.00	-	-	Balance	0.20	1.00	-
Max (%)	63.00	0.10	0.20		0.60	1.50	0.20

Note: Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

SHAPE



SOLID ROUND BARS

Size Range :
Dia 7 mm up to 120 mm.



SOLID HEX BARS

Size Range :
A/F 7 mm up to 100 mm.



SOLID SQUARE BARS

Size Range :
A/F 7 mm up to 90 mm.



SOLID RECTANGLE BARS

Size Range :
A/F 7 x 10 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

CW712R:NAVAL BRASS



MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 8 to 75 Inclusive	-	-	-	80 - 140
HEX (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 8 to 75 Inclusive	-	-	-	80 - 140
Square (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
Over 8 to 75 Inclusive	-	-	-	80 - 140

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	50

TYPICAL USES

Product Category	Product
Marine	Marine Hardware, Seawater Valve Stems.
Industrial	Gears, Light Bearings, Screw Machine Parts, Valve Stems.
Fasteners	Fasteners.

CW712R:NAVAL BRASS



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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