



Adinath

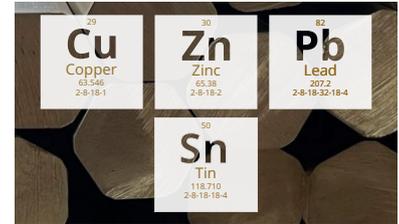
Create, Enhance & Sustain

C-47940:NAVAL BRASS

Specification Sheet

DESCRIPTION

C47940 comes with an added amount of Lead and maintains high strength at elevated temperatures. It is heat resistant and immune to stress corrosion.



CHEMICAL COMPOSITION

Element	Cu	Fe	Ni	Zn	Pb	Sn
Min (%)	63.00	0.10	0.10	Balance	1.00	1.20
Max (%)	66.00	1.00	0.50		2.00	2.00

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

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MECHANICAL PROPERTIES

Round (Dia)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
3 to 12 Inclusive	400	210	18	-
12 to 25 Inclusive	390	210	20	-
25 to 50 Inclusive	375	175	22	-
50 to 75 Inclusive	345	175	25	-
Hex (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
3 to 12 Inclusive	400	210	18	-
12 to 25 Inclusive	390	210	20	-
25 to 50 Inclusive	375	175	22	-
50 to 70 Inclusive	345	175	25	-
Square (A/F)				
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)
3 to 12 Inclusive	400	210	18	-
12 to 25 Inclusive	390	210	20	-
25 to 50 Inclusive	375	175	22	-
50 to 60 Inclusive	345	175	25	-

PACKING



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

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.

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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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