



Adinath

Create, Enhance & Sustain

C-67600:HIGH TENSILE BRASS

Specification Sheet

DESCRIPTION

C67600 is a Manganese Leaded Bronze alloy which is widely known for its higher strength and corrosion resistance properties. This alloys can be hot worked and has good soldering and brazing properties.



CHEMICAL COMPOSITION

Element	Cu	Fe	Mn	Zn	Pb	Sn
Min (%)	57.00	0.40	0.05	Balance	0.50	0.50
Max (%)	60.00	1.30	0.50		1.00	1.50

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

C-67600:HIGH TENSILE BRASS



MECHANICAL PROPERTIES

Round (Dia)					
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)	
4 to 25 Inclusive	500	250	13	-	
Over 25 to 65 Inclusive	450	240	15	-	
Over 65 to 75 Inclusive	450	220	17	-	
Hex (A/F)					
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)	
4 to 25 Inclusive	500	250	13	-	
Over 25 to 65 Inclusive	450	240	15	-	
Over 65 to 75 Inclusive	450	220	17	-	
Square (A/F)					
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)	
4 to 25 Inclusive	500	250	13	-	
Over 25 to 60 Inclusive	450	240	15	-	
Rectangle					
Range (mm)	UTS Min (MPA)	PS Min (MPA)	Elongation Min (%)	Hardness (HRB)	
Thickness	4 to 25 Inclusive	500	250	13	-
	Over 25 to 60 Inclusive	450	240	15	-

PACKING



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

C-67600:HIGH TENSILE BRASS



FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	60

TYPICAL USES

Product Category	Product
Industrial	Gate Valve Stems, Valve Balls, Welding Rod.

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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