

Aluminium Bronze Hollow Rods

We are a leading and well recognized names in the field of offering quality finished range of Aluminum Bronze Rods that are as per BS:2872 CA-103, 104, ADM1076D, IS:10569/83, BS:1400AB1, AB2, IS:305 AB1. Also meeting the specifications as per IS 10569/05 NR. EQUIVALENT SPEC. BS 2872/86 CA103, ASTMBC62300, these are made available in annealed finish in sizes of 6 to 15, 15 to 50, 50 to 80 and 80 and above. These bronze rods have excellent capacity to be cold and hot formed and have machine-ability rating of 50%. Further, the rods have Forge-ability rating of 75 %, fair suitability for brazing and good welding capability.



Being corrosion resistant & non sparking alloy, some of the application uses of these bronze rods include

- Oil refinery
- Valves & fittings
- For worm gears
- Valve stems
- High pressure valves

Specifications:

Aluminum Bronze	<ul style="list-style-type: none"> • ASTM B 111 C60800 • ASME SB 111 C 60800 • EN 12451 CuAl5As • CW200G
------------------------	--

Chemical Requirements	
Copper	Remainder
Aluminium	8.5 to 11.0%
Iron	4.0 to 6.0%
Nickel	4.0 to 6.0%
Manganese	0.50% max
Tin	0.10% max
Zinc	0.40% max

Silicon	0.10% max		
Total Imp. Excl. Mn	0.50% max		
Physical Properties			
Condition	Size	T.S. MPa	EL% Min
Annealed / As Manufactured	6 to 15	700	10%
	15 to 50	700	12%
	50 to 80	680	12%
	80 & above	650	12%
Fabrication Properties			
Capacity for being			
Cold formed	Poor		
Hot formed	Good		
Machinability rating	30%		
Forgeability rating	75%		
Suitability for soldering	Poor		
Suitability for Brazing	Fair		
Suitability for welding	Good		
Uses			
Excellent for corrosion resistant, Highest strength, Good wear and heat resistance, Like marine pump hardware & bearings, Valve guides & seats, Nuts, Shaft, Bolts & Threaded Parts for Ship building & power generation industries.			

Regd. Office & Plant

Plot No. 6 & 7, Village: Lakhavaval, Post: Khodiyar Colony, Jamnagar - 361006.

Tel.: +91-288-2889251 / 52, Fax: +91-288-2889223, Cell: +91-9924443396

Email: info@metalalloyscorp.com • web: www.metalalloyscorp.com

World Class Sourcing Solution for Copper & Copper Alloys Products