



## CW713R HITENSILE BRASS HOLLOW RODS

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ASTM	CW713R
BS	CZ135
EN	CuZn37MnAl2PbSi
DIN	2.0550 (CuZn40AL2)
ISO	1338-CuAl10Fe2

We are a leading and well recognized names in the field of offering quality finished range of High Tensile Hollow Rods that are as per ASTM B505 C95200, ASTM B148 C95200, ASTM B271 C95200. Also meeting the specifications as per BS 1400 AB1, SAE 68a, UNI 5273, DIN 1714 GK CuAl10Fe 2.0940.02, CuAl10Fe2-C, IS 3.5 AB1. 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.

### CHEMISTRY

Cu	PB	SN	ZN	SI	NI	Fe	Al
57 - 59	0.2 - 0.8	MAX 0.4	REM	0.3 - 1.3	MAX 1.0	MAX1.0	1.3 - 2.3

### ADVANTAGES

- Excellent capacity to be cold and hot formed
- Good Hardness
- Excellent capability for brazing and plating
- Excellent welding capability.
- Improved corrosion resistance
- Non sparking alloy
- Increased wear and heat resistance

### APPLICATIONS

- Automobile Bushing
- For worm Gears
- Valve stems
- High pressure valves
- Marine Pump Hardware & Bearings
- Valve guides and seats, Nuts, Shafts, Bolts & Threaded parts for Ship building Industry

### PHYSICAL PROPERTIES

Condition	Size	T.S.Kg/mm	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%
Forging Rating	75%
Suitability for Soldering	Poor
Suitability for Brazing	Fair
Suitability for Welding	Good

### USES

Excellent for corrosion resistant, Highest strength, Increased wear and heat resistance, Like marine pump hardware & bearings, Valve guides & seats, Nuts, Shaft, Bolts & Threaded Parts for Ship building & power generation industries.

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