



**Metal Alloys Corporation**

इंजीनियर्स  
इंडिया लिमिटेड  
ENGINEERS  
INDIA LIMITED  
A Group of IITB University

## High Tensile Brass Hollow Rods

- IS 320 HT1 or HT2
- BS 2874 CZ114 or CZ115
- JIS 3250H C6782 or C6783



Chemical Requirements		HT1	HT2		
Copper		56.0 - 60.0%	56.0 - 61.0%		
Lead		0.20 to 1.50%	0.50 to 1.50%		
Iron		0.20 to 1.25%	0.20 to 1.50%		
Tin		0.20 to 1.0%	1.0% max		
Aluminum		0.2% max	0.30 to 2%		
Manganese		0.25 - 2.0%	0.50-2.0%		
Total Imp.		0.50% max	0.50% max		
Zinc		Remainder	Remainder		
Physical Properties					
Condition	Size	T.S. MPa	EL% Min	T.S. MPa	EL% Min
As manufactured	All Size	430 min	20%	460 min	20%
Cold-worked & Stress	10-40	480 min	12%	520 min	12%
Relieved	40 above			500 min	15%
Fabrication Properties					
Capacity for being					
Cold formed		Poor		Fair	
Hot worked		Good		Good	
Machinability Rating		30%		30%	
Resistance to Corrosion		Excellent		Excellent	
Suitability for soldering		Excellent		Fair	
Uses					

HT1 is suitable for Soldering

Ht2 is suitable for Machining

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