

# Material: IS 320 Grade HT 2

## Standard Specification for High Tensile Brass Rods and Sections

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 320 High Tensile Brass Rods and Sections

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Rod and Section

Chemical Composition		
Tin	Sn %	1.000 max.
Lead	Pb %	0.500 - 1.500
Iron	Fe %	0.200 - 1.500
Manganese	Mn %	0.500 - 2.000
Aluminium	Al %	0.300 - 2.000
Antimony	Sb %	0.020 max.
Other	Ot%	0.500 max.
Cu + Ni	Cu%+Ni%	56.000 - 61.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Stress Relieving or As Roll	

Mechanical Properties	
Tensile Strength in Mpa	460 min.
Yield Strength in Mpa	280 min.
Elongation in %	20 min.
Reduction of Area in %	-
0	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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