

Material: IS 320 Grade HT 1

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			Heat Treatment	
Tin	Sn %	0.200 - 1.000	Stress Relieving or As Roll	
Lead	Pb %	0.200 - 1.500		
Iron	Fe %	0.200 - 1.500		
Manganese	Mn %	0.250 - 2.000		
Aluminium	Al %	0.200 max.		
Antimony	Sb %	0.020 max.		
Other	Ot%	0.500 max.		
Cu + Ni	Cu%+Ni%	56.000 - 60.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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