

Material: IS 304 Grade HTB 1

Standard Specification for High Tensile Brass Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: IS 304 High Tensile Brass Ingots and Castings

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

Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Lead	Pb %	0.500 max.	As-Cast	
Tin	Sn %	1.000 max.		
Silicon	Si %	0.100 max.		
Iron	Fe %	0.700 - 2.000		
Aluminium	Al %	0.500 - 2.500		
Manganese	Mn %	3.000 max.		
Other	Ot%	0.200 max.		
Cu + Ni	Cu%+Ni%	55.000 min		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
			Tensile Strength in Mpa	470 min.
			Yield Strength in Mpa	-
			Elongation in %	18 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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