

Material: IS 1458 Class I

Standard Specification for Railway Bronze Ingots and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1458 Railway Bronze Ingots and Casting

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

Belongs to the Industry: Ingots and Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	6.000 - 8.000	As-Cast	
Lead	Pb %	0.500 max.		
Zinc	Zn %	0.500 max.		
Phosphorus	P %	0.400 - 0.600		
Iron	Fe %	0.300 max.		
Antimony	Sb %	0.100 max.		
Aluminium	Al %	0.010 max.		
Other	Ot%	0.600 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 186 min. Yield Strength in Mpa - Elongation in % 3 min. Reduction of Area in % - Hardness in HB 60 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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