

Material: IS 305 Grade AB 1

Standard Specification for Aluminium Bronze Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: IS 305 Aluminium Bronze 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 %	0.050 max.	As-Cast	
Tin	Sn %	0.100 max.		
Silicon	Si %	0.250 max.		
Nickel	Ni %	1.000 max.		
Magnesium	Mg %	0.050 max.		
Zinc	Zn %	0.050 max.		
Manganese	Mn %	1.000 max.		
Iron	Fe %	1.500 - 3.500		
Aluminium	Al %	8.500 - 10.500		
Other	Ot%	0.300 max.		
Copper	Cu %	Balance	Mechanical Properties Tensile Strength in Mpa 500 min. Yield Strength in Mpa 170 min. Elongation in % 18 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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