

Material - ASTM B271 High-Lead Tin Bronze UNS C93500

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal Castings

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	4.300 - 6.000	As-Cast	
Lead	Pb %	8.000 - 10.000		
Zinc	Zn %	2.000 max.		
Iron	Fe %	0.200 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Antimony	Sb %	0.300 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	0.050 max.		
Copper	Cu %	83.000 - 86.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	207 min.
			Yield Strength in Mpa	97 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C93500	ASTM	USA	Ingot and Casting
B271 C93500	ASTM	USA	Casting
SB-505 C93500	ASME	USA	Casting
SB-584 C93500	ASME	USA	Casting
C93500	SAE	USA	Casting
CA935	SAE	USA	Casting
C93500	AS	Australia	Ingot and Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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