

Material - ASTM B271 High-Lead Tin Bronze UNS C93200

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 %	6.300 - 7.500	As-Cast	
Lead	Pb %	6.000 - 8.000		
Zinc	Zn %	2.000 - 4.000		
Iron	Fe %	0.200 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Antimony	Sb %	0.350 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	0.150 max.	Mechanical Properties	
Copper	Cu %	81.000 - 85.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	248 min.
			Yield Strength in Mpa	110 min.
			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
B30 C93200	ASTM	USA	Ingot and Casting
SB-505 C93200	ASME	USA	Casting
SB-584 C93200	ASME	USA	Casting
C93200	SAE	USA	Casting
C93200	AS	Australia	Ingots and Casting
CA932	SAE	USA	Casting
SAE 660	SAE	USA	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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