



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.		
Copper	Cu %	81.000 - 85.000	Mechanical Properties	
-	-	-	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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.