

Material: ASTM B505 High-Leaded Tin Bronze UNS C93200

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Casting

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		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.200 max.		
Antimony	Sb %	0.350 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	81.000 - 85.000	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	241 min.
-	-	-	Yield Strength in Mpa	138 min.
-	-	-	Elongation in %	10 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	Ingot and Casting
CA932	SAE	USA	Casting
SAE 660	SAE	USA	Casting

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