

Material: ASTM B505 High-Leaded Tin Bronze UNS C93800

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 or Solution Annealing and Precipitation	
Lead	Pb %	13.000 - 16.000		
Zinc	Zn %	0.800 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.150 max.		
Antimony	Sb %	0.800 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	75.000 - 79.000	Mechanical Properties Tensile Strength in Mpa 172 min. Yield Strength in Mpa 110 min. Elongation in % 5 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C93800	ASTM	USA	Ingot and Casting
B66 C93800	ASTM	USA	Ingot and Casting
SB-505 C93800	ASME	USA	Casting
SB-584 C93800	ASME	USA	Casting
C93800	SAE	USA	Casting
CA938	SAE	USA	Casting
CACIn604	KS	Korea	Ingot and Casting

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