

Material: ASTM B61 C92200

Standard Specification for Steam or Valve Bronze Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B61 Steam or Valve Bronze Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	1.000 - 2.000		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	5.500 - 6.500		
Zinc	Zn %	3.000 - 5.000		
Copper	Cu %	86.000 - 90.000	Mechanical Properties Tensile Strength in Mpa 235 min. Yield Strength in Mpa 110 min. Elongation in % 24 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92200	ASTM	USA	Ingot and Casting
SB-61 C92200	ASME	USA	Casting
SB-505 C922000	ASME	USA	Casting
CA922	SAE	USA	Casting
SAE 922	SAE	USA	Casting
CACIn407	KS	Korea	Ingot and Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com