

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	Mechanical Properties	
Zinc	Zn %	3.000 - 5.000	Tensile Strength in Mpa	235 min.
Copper	Cu %	86.000 - 90.000	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

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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