



Material - ASME SB-283 C62300

Standard Specification for Copper and Copper-Alloy Die Forgings

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-283 Copper and Copper-Alloy Die Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.500 - 10.000	As Drawn or Stress Relieving or Hot Rolled	
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	0.500 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Silicon	Si %	0.250 max.		
Tin	Sn %	0.600 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 565 min. Yield Strength in Mpa 255 min. Elongation in % 32 min. Reduction of Area in % - Hardness in HRB 82 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C62300	UNS	USA	Rod, Bar, Tube and Shapes
B124 C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	USA	Rod, Bar and Shapes
SB-150 C62300	ASME	USA	Rod, Bar and Shapes
4635	SAE	USA	Bars, Rods and Forgings
CA623	SAE	USA	Casting
87Cu-9Al-3Fe	SAE	USA	Bars, Rods and Forgings

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

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