

Material: ASTM B283 C64200

Standard Specification for Copper and Copper-Alloy Die Forgings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B283 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 %	6.300 - 7.600	As Drawn or Stress Relieving or Hot Rolled	
Arsenic	As %	0.090 max.		
Iron	Fe %	0.300 max.		
Manganese	Mn %	0.100 max.		
Ni + Co	Ni% + Co%	0.250 max.		
Lead	Pb %	0.050 max.		
Silicon	Si %	1.500 - 2.200		
Tin	Sn %	0.200 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 469 - 570 Yield Strength in Mpa 156 - 285 Elongation in % 30 - 35 Reduction of Area in % - Hardness in HRB 77 min. Impact in Joule -	
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-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C64200	UNS	USA	Rod, Bar, Tube and Shapes
B124 C64200	ASTM	USA	Rod, Bar and Shape
SB-150 C64200	ASME	USA	Rod, Bar and Shape
SB-283 C64200	ASME	USA	Forging
4264	SAE	USA	Rod, Bar and Forging
4633	SAE	USA	Rod, Bar and Forging
4634	SAE	USA	Rod, Bar and Forging

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