

Material: ASME SB-283 C64200

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 %	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 - 483 Yield Strength in Mpa 156 - 172 Elongation in % 30 - 35 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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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
B283 C64200	ASTM	USA	Forging
SB-150 C64200	ASME	USA	Rod, Bar and Shape
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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