

Material: ASME SB-283 C67500

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 %	0.250 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	0.800 - 2.000		
Manganese	Mn %	0.050 - 0.500		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.500 - 1.500		
Copper	Cu %	57.000 - 60.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 495 min. Yield Strength in Mpa 235 min. Elongation in % 33 min. Reduction of Area in % - Hardness in HRB 69 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C67500	ASTM	USA	Rod, Bar and Shapes
B138 C67500	ASTM	USA	Rod, Bar and Shape
B283 C67500	ASTM	USA	Forging
CA675	SAE	USA	Rod, Bar and Shape
F467 C67500	ASTM	USA	Nut
SF-467 C67500	ASME	USA	Nut
SF-468 C67500	ASME	USA	Bolts, Hex Cap Screws and Studs

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