



Material - ASME SB-283 C36500

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	
Iron	Fe %	0.150 max.	Normalizing or Annealing or Tempering	
Lead	Pb %	0.250 - 0.700		
Tin	Sn %	0.250 max.		
Copper	Cu %	58.000 - 61.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	400 min.
			Yield Strength in Mpa	160 min.
			Elongation in %	40 min.
			Reduction of Area in %	-
			Hardness in HRB	45 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B171 C36500	ASTM	USA	Plate and Sheet
B283 C36500	ASTM	USA	Forging
SB-171 C36500	ASME	USA	Plate and Sheet
365	AS	Australia	Forging
C36500	AS	Australia	Forging
C36500	UNS	USA	Rod, Bar and Shapes
B124 C36500	ASTM	USA	Rod, Bar and Shapes

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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