



## Material - ASTM B283 C36500

### 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	
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
SB-171 C36500	ASME	USA	Plate and Sheet
SB-283 C36500	ASME	USA	Forging
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](mailto:marketing@gravitycastindia.com)**

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