

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

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