



Material - ASTM B283 C14700

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	
Phosphorus	P %	0.002 - 0.005	Normalizing or Annealing or Tempering	
Sulphur	S %	0.200 - 0.500		
Copper	Cu %	99.90 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	154.500 - 698.200
			Yield Strength in Mpa	55 - 367
			Elongation in %	35 min.
			Reduction of Area in %	-
			Hardness in HRB	40 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C14700	UNS	USA	Rod, Bar, Tube and Shapes
B224 C14700	ASTM	USA	Casting
B301 C14700	ASTM	USA	Rod, Bar, Wire and Shapes
SB-283 C14700	ASME	USA	Forging
-	-	-	-
-	-	-	-
-	-	-	-

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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