GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-283 C14500

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		
Tellurium	Te %	0.400 - 0.700
Phosphorus	P %	0.004 - 0.012
Copper	Cu %	99.90 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

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**
C14500	UNS	USA	Rod, Bar, Tube and Shapes
B224 C14500	ASTM	USA	Casting
B283 C14500	ASTM	USA	Forging
B301 C14500	ASTM	USA	Rod, Bar, Wire and Shapes
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-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com