



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM B283 C14500

### 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	
Tellurium	Te %	0.400 - 0.700	Normalizing or Annealing or Tempering	
Phosphorus	P %	0.004 - 0.012		
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
C14500	UNS	USA	Rod, Bar, Tube and Shapes
B224 C14500	ASTM	USA	Casting
B301 C14500	ASTM	USA	Rod, Bar, Wire and Shapes
SB-283 C14500	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](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**