



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

## Material - ASTM B133 C11000

**Standard Specification for Copper and Copper Alloy Forging Rod, Bar and Shapes**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B133 Copper and Copper Alloy Forging Rod, Bar and Shapes**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Rod, Bar and Shape**

Chemical Composition			Heat Treatment	
Cu + Ag	Cu% + Ag%	99.900 min.	Normalizing or Annealing or Tempering	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		154.500 - 698.200		
Yield Strength in Mpa		55 - 367		
Elongation in %		-		
Reduction of Area in %		-		
Hardness in HRB		30 - 97		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C11000	UNS	USA	Rod, Bar, Tube and Shapes
B152 C11000	ASTM	USA	Sheet, Strip, Plate and Rolled Bar
B187 C11000	ASTM	USA	Rod, Bar and Shapes
B188 C11000	ASTM	USA	Pipe and Tube
SB-152 C11000	ASME	USA	Sheet, Strip, Plate and Rolled Bar
SB-187 C11000	ASME	USA	Rod, Bar and Shapes
SB-283 C11000	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**