



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

## Material - ASTM B62 C83600

**Standard Specification for Composition Bronze or Ounce Metal Casting**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B62 Composition Bronze or Ounce Metal Casting**

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

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Cu	Ni% + Cu%	0.800 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	4.000 - 5.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.300 - 6.000		
Zinc	Zn %	4.300 - 6.000		
Copper	Cu %	84.000 - 86.000	<b>Mechanical Properties</b> Tensile Strength in Mpa      205 min. Yield Strength in Mpa      95 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C83600	UNS	USA	Rod, Bar, Tube and Shapes
C83600	SAE	USA	Casting
B271 C83600	ASTM	USA	Casting
B505 C83600	ASTM	USA	Casting
B584 C83600	ASTM	USA	Casting
B30 C83600	ASTM	USA	Casting
4855	SAE	USA	Casting

**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**