



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

## Material - BSI BS1400 HTB1 CuZn35AlFeMn

**Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting**

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

**Grade Belongs to the Industry - Ingot and Casting**

Chemical Composition			Heat Treatment	
Tin	Sn %	1.000 max.	As-Cast	
Lead	Pb %	0.050 max.		
Nickel	Ni %	1.000 max.		
Iron	Fe %	0.700 - 2.000		
Aluminium	Al %	0.500 - 2.500		
Manganese	Mn %	0.100 - 3.000		
Silicon	Si %	0.100 max.		
Other	Ot%	0.200 max.		
Copper	Cu %	57.000 min.		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 470 min. Yield Strength in Mpa 170 min. Elongation in % 18 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
865C	AS	Australia	Ingot and Casting
C86500	AS	Australia	Ingot and Casting
CuZn35AlFeMn	ISO	International	Ingot and 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**