



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B100 C65500

Standard Specification for Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B100 Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use

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

Grade Belongs to the Industry - Plate and Sheet

Chemical Composition			Heat Treatment	
Iron	Fe %	0.800 max.	Normalizing or Annealing or Tempering	
Manganese	Mn %	0.500 - 1.300		
Ni + Co	Ni% + Co%	0.600 max.		
Lead	Pb %	0.050 max.		
Silicon	Si %	2.800 - 3.800		
Zinc	Zn %	1.500 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 415 min. Yield Strength in Mpa 170 min. Elongation in % 10 min. Reduction of Area in % - Hardness in HRB 75 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C65500	ASTM	USA	Rod, Bar and Shapes
C65500	AS	Australia	Ingot and Casting
B283 C65500	ASTM	USA	Forging
B96 C65500	ASTM	USA	Plate, Sheet, Strip and Bar
B98 C65500	ASTM	USA	Rod, Bar and Shape
SB-98 C65500	ASME	USA	Rod, Bar and Shape
SB-283 C65500	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

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.

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