



## Material - ASTM B171 C36500

**Standard Specification for Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers and Heat Exchangers**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B171 Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers and Heat Exchangers**

**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 %	0.150 max.	Normalizing or Annealing or Tempering	
Lead	Pb %	0.250 - 0.700		
Tin	Sn %	0.250 max.		
Copper	Cu %	58.000 - 61.000		
Zinc	Zn %	Balance		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      275 - 345 Yield Strength in Mpa      85 - 140 Elongation in %      35 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B283 C36500	ASTM	USA	Forging
SB-171 C36500	ASME	USA	Plate and Sheet
SB-283 C36500	ASME	USA	Forging
365	AS	Australia	Forging
C36500	AS	Australia	Forging
C36500	UNS	USA	Rod, Bar and Shapes
B124 C36500	ASTM	USA	Rod, Bar and Shapes

**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)**

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