



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J463 CA624

Standard Specification for Wrought Copper and Copper Alloys

Group - Non-Ferrous Copper Alloy

Sub Group - SAE J463 Wrought Copper and Copper Alloys

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	10.000 - 11.500	As Drawn or Stress Relieving or Hot Rolled or Hardening and Tempering	
Iron	Fe %	2.000 - 4.500		
Manganese	Mn %	0.300 max.		
Silicon	Si %	0.250 max.		
Tin	Sn %	0.200 max.		
Cu + Ag	Cu% + Ag%	82.800 - 88.000		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 655 - 690 Yield Strength in Mpa 345 min. Elongation in % 12 min. Reduction of Area in % - Hardness in HRB 200 - 265 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C62400	UNS	USA	Rod, Bar, Tube and Shapes
B150 C62400	ASTM	USA	Rod, Bar and Shape
SB-150 C62400	ASME	USA	Rod, Bar and Shape
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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.

ONE STOP SOLUTION FOR METAL PARTS