GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C71500

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C71500 Wrough Copper and Copper Alloys

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

Grade Belongs to the Industry - Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes

Chemical Composition		
Iron	Fe %	0.400 - 0.700
Zinc	Zn %	1.000 max.
Lead	Pb %	0.050 max.
Manganese	Mn %	1.000 max.
Nickel	Ni %	29.000 - 33.000
Copper	Cu %	99.500 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	580 - 650
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	87 - 91
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C71500	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
B 122 UNS C71500	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B 466 UNS C71500	ASTM	USA	Pipe and Tube
B 467 UNS C71500	ASTM	USA	Pipe
B 171 UNS C71500	ASTM	USA	Plate and Sheet
SB-171 UNS C71500	ASME	USA	Plate and Sheet
SB-111 UNS C71500	ASME	USA	Tubing

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.