GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C75200

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C75200 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 %	0.250 max.
Lead	Pb %	0.100 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	16.500 - 19.500
Copper	Cu %	63.000 - 68.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	470 - 605
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C75200	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
B 122 UNS C75200	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B 151 UNS C75200	ASTM	USA	Rod and Bar
B 888 UNS C75200	ASTM	USA	Strip
B 206 UNS C75200	ASTM	USA	Wire
SB-151 UNS C75200	ASME	USA	Rod and Bar
12167 CW409J	EN	European Union	Bars

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.