GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C34500

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C34500 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 %	0.100 max.
Lead	Pb %	1.500 - 2.800
Copper	Cu %	62.000 - 64.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	345 min.
Yield Strength in Mpa	140 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HRB	40 - 70
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C34500	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
B 453 UNS C34500	ASTM	USA	Rod, Bar and Shapes
12166 CuZn37	EN	European Union	Wire
12166 CW508L	EN	European Union	Wire
12166 CuZn35Pb2	EN	European Union	Wire
12166 CW601N	EN	European Union	Wire
J 463 UNS C34200	SAE	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube 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

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.