GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C33000

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C33000 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 %	0.070 max.
Lead	Pb %	0.200 - 0.800
Copper	Cu %	65.000 - 68.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	455 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C33000	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
B 135 UNS C33000	ASTM	USA	Tubing
B 43 UNS C33000	ASTM	USA	Pipe
2871 CZ108	B.S.	United Kingdom	Tubing
J 463 UNS C33100	SAE	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
SB-135 UNS C33000	ASME	USA	Tubing
4555 UNS C33000	AMS	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.