GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J463 CA675

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 - Rod, Bar and Shape

Chemical Composition		
Aluminium	Al %	0.250 max.
Iron	Fe %	0.800 - 2.000
Manganese	Mn %	0.050 - 0.500
Lead	Pb %	0.200 max.
Tin	Sn %	0.500 - 1.500
Copper	Cu %	57.000 - 60.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 - 590
Yield Strength in Mpa	205 - 415
Elongation in %	10 -33
Reduction of Area in %	-
Hardness in HRB	65 - 90
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B124 C67500	ASTM	USA	Rod, Bar and Shapes
B138 C67500	ASTM	USA	Rod, Bar and Shape
B283 C67500	ASTM	USA	Forging
F467 C67500	ASTM	USA	Nut
SB-283 C67500	ASME	USA	Forging
SF-467 C67500	ASME	USA	Nut
SF-468 C67500	ASME	USA	Bolts, Hex Cap Screws and Studs

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com