

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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 **Email:** info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India