

Material: SAE J463 CA624

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: Casting

Chemical Composition			Heat Treatment
Aluminium	Al %	10.000 - 11.500	As Drawn or Stress Relieving or Hot Rolled or Hardening and Tempering
Iron	Fe %	2.000 - 4.500	
Manganese	Mn %	0.300 max.	
Silicon	Si %	0.250 max.	
Tin	Sn %	0.200 max.	
Cu + Ag	Cu% + Ag%	82.800 - 88.000	
-	-	-	Mechanical Properties Tensile Strength in Mpa 655 - 690 Yield Strength in Mpa 345 min. Elongation in % 12 min. Reduction of Area in % - Hardness in HRB 200 - 265 Impact in Joule -
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C62400	UNS	USA	Rod, Bar, Tube and Shapes
B150 C62400	ASTM	USA	Rod, Bar and Shape
SB-150 C62400	ASME	USA	Rod, Bar and Shape
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