

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		
Aluminium	Al %	10.000 - 11.500
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
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Heat Treatment
As Drawn or Stress Relieving or Hot Rolled or Hardening and Tempering

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	-

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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