

Material: UNS C62300

Standard Specification for Copper and Copper Alloy Forging Rod, Bar and Shapes

Group: Non-Ferrous Copper Alloy

Sub Group: UNS Copper and Copper Alloy Forging Rod, Bar and Shapes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Rod, Bar and Shape

Chemical Composition		
Aluminium	Al %	8.500 - 10.000
Iron	Fe %	2.000 - 4.000
Manganese	Mn %	0.500 max.
Ni + Co	Ni% + Co%	1.000 max.
Silicon	Si %	0.250 max.
Tin	Sn %	0.600 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	344 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	USA	Rod, Bar and Shape
B283 C62300	ASTM	USA	Forging
SB-150 C62300	ASME	USA	Rod, Bar and Shape
SB-283 C62300	ASME	USA	Forging
C62300	AS	Australia	Ingot and Casting
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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