

Material: ASTM B283 C64200

Standard Specification for Copper and Copper-Alloy Die Forgings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B283 Copper and Copper-Alloy Die Forgings

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

Belongs to the Industry: Forging

Chemical Composition		
Aluminium	Al %	6.300 - 7.600
Arsenic	As %	0.090 max.
Iron	Fe %	0.300 max.
Manganese	Mn %	0.100 max.
Ni + Co	Ni% + Co%	0.250 max.
Lead	Pb %	0.050 max.
Silicon	Si %	1.500 - 2.200
Tin	Sn %	0.200 max.
Zinc	Zn %	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	469 - 570
Yield Strength in Mpa	156 - 285
Elongation in %	30 - 35
Reduction of Area in %	-
Hardness in HRB	77 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C64200	UNS	USA	Rod, Bar, Tube and Shapes
B124 C64200	ASTM	USA	Rod, Bar and Shape
SB-150 C64200	ASME	USA	Rod, Bar and Shape
SB-283 C64200	ASME	USA	Forging
4264	SAE	USA	Rod, Bar and Forging
4633	SAE	USA	Rod, Bar and Forging
4634	SAE	USA	Rod, Bar and Forging

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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