



Material - SAE AMS 4634

Standard Specification for Bronze, Aluminum Silicon, Rods Bars and Forgings

Group - Non-Ferrous Copper Alloy

Sub Group - SAE AMS Bronze, Aluminum Silicon, Rods Bars and Forgings

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

Grade Belongs to the Industry - Rod, Bar and Forging

Chemical Composition			Heat Treatment	
Aluminium	Al %	6.300 - 7.600	As Drawn or Stress Relieving or Hot Rolled	
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.		
Cu + Ag	Cu% + Ag%	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	517 - 621
-	-	-	Yield Strength in Mpa	241 - 310
-	-	-	Elongation in %	9 - 15
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	80 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
B283 C64200	ASTM	USA	Forging
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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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