



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE AMS 4633

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	
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.		
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 72 min. Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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
4634	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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