



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE AMS 4264

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 % | 0.150 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 | 620 min. |
| - | - | - | Yield Strength in Mpa | 310 min. |
| - | - | - | Elongation in % | 9 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | 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 |
| 4633 | 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

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