



Material - ASTM B138 C67500

Standard Specification for Manganese Bronze Rod, Bar and Shapes

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B138 Manganese Bronze 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 | | | Heat Treatment | |
|----------------------|-----------|-----------------|---------------------------------------|-----------|
| Aluminium | Al % | 0.250 max. | Normalizing or Annealing or Tempering | |
| Iron | Fe % | 0.800 - 2.000 | | |
| Manganese | Mn % | 0.050 - 0.500 | | |
| Lead | Pb % | 0.200 max. | | |
| Tin | Sn % | 0.500 - 1.500 | | |
| Cu + Ag | Cu% + Ag% | 57.000 - 60.000 | | |
| Zinc | Zn % | Balance | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 380 - 550 |
| - | - | - | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | 8 - 20 |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B124 C67500 | ASTM | USA | Rod, Bar and Shapes |
| B283 C67500 | ASTM | USA | Forging |
| CA675 | SAE | USA | Rod, Bar and Shape |
| F467 C67500 | ASTM | USA | Nut |
| SB-283 C67500 | ASME | USA | Forging |
| SF-467 C67500 | ASME | USA | Nut |
| SF-468 C67500 | ASME | USA | Bolts, Hex Cap Screws and Studs |

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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