

## Material - ASTM B124 UNS C67500

**Standard Specification for Copper and Copper Alloy Forging Rod, Bar and Shapes**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B124 Copper and Copper Alloy Forging 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                                                                                                                                                                         |  |
|----------------------|------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Lead                 | Pb % | 0.020 max.      | Normalizing or Annealing or Tempering                                                                                                                                                  |  |
| Tin                  | Sn % | 0.500 - 1.500   |                                                                                                                                                                                        |  |
| Iron                 | Fe % | 0.800 - 2.000   |                                                                                                                                                                                        |  |
| Manganese            | Mn % | 0.050 - 0.500   |                                                                                                                                                                                        |  |
| Aluminium            | Al % | 0.250 max.      |                                                                                                                                                                                        |  |
| Zinc                 | Zn % | Balance         |                                                                                                                                                                                        |  |
| Copper               | Cu % | 57.000 - 60.000 |                                                                                                                                                                                        |  |
| -                    | -    | -               | <b>Mechanical Properties</b><br>Tensile Strength in Mpa 344 min.<br>Yield Strength in Mpa -<br>Elongation in % -<br>Reduction of Area in % -<br>Hardness in BHN -<br>Impact in Joule - |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |
| -                    | -    | -               |                                                                                                                                                                                        |  |

| Cross Reference Table |          |         |                                 |
|-----------------------|----------|---------|---------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry    |
| B138 C67500           | ASTM     | USA     | Rod, Bar and Shape              |
| 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 |

**For any further inquiries, please do not hesitate to contact us. You may visit our website at [AMTECH TECHNOCAST PVT. LTD.](http://AMTECH TECHNOCAST PVT. LTD.), call us at [+91 9879817994](tel:+919879817994), or email us at [manish@amtechtechnocast.com](mailto:manish@amtechtechnocast.com)**

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