



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-150 C61400

Specification for Aluminum Bronze Rod, Bar and Shapes

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-150 Aluminum Bronze Rod, Bar and Shape

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 % | 6.000 - 8.000 | As Drawn or Stress Relieving | |
| Iron | Fe % | 1.500 - 3.500 | | |
| Manganese | Mn % | 1.000 max. | | |
| Phosphorus | P % | 0.015 max. | | |
| Lead | Pb % | 0.010 max. | | |
| Zinc | Zn % | 0.200 max. | | |
| Cu + Ag | Cu% + Ag% | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 485 - 550 Yield Strength in Mpa 205 - 275 Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
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| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C61400 | UNS | USA | Rod, Bar, Tube and Shapes |
| B100 C61400 | ASTM | USA | Plate and Sheet |
| B111 C61400 | ASTM | USA | Tubes |
| B169 C61400 | ASTM | USA | Sheet, Strip and Bar |
| B171 C61400 | ASTM | USA | Plate and Sheet |
| B315 C61400 | ASTM | USA | Pipe and Tube |
| CA614 | SAE | USA | Casting |

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.

ONE STOP SOLUTION FOR METAL PARTS