



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 10569 CuAl10Fe3Mn2

Standard Specification for Aluminium Bronze Rods, Bars and Sections

Group - Non-Ferrous Copper Alloy

Sub Group - IS 10569 Aluminium Bronze Rods, Bars and Sections

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod, Bar and Section

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|----------------|------------------------------|----------|
| Lead | Pb % | 0.050 max. | As Raw or Annealing | |
| Tin | Sn % | 0.100 max. | | |
| Silicon | Si % | 0.100 max. | | |
| Nickel | Ni % | 1.000 max. | | |
| Magnesium | Mg % | 0.050 max. | | |
| Zinc | Zn % | 0.500 max. | | |
| Manganese | Mn % | 1.500 - 3.000 | | |
| Iron | Fe % | 2.000 - 4.000 | | |
| Aluminium | Al % | 9.000 - 11.000 | | |
| Other | Ot% | 0.500 max. | | |
| Copper | Cu % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 625 min. |
| - | - | - | Yield Strength in Mpa | 275 min. |
| - | - | - | Elongation in % | 10 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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