



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B148 Aluminum Bronze UNS C95300

Standard Specification for Alumium - Bronze Sand Castings

Group - Non-Ferrous Alumium Alloy

Sub Group - ASTM B148 Alumium - Bronze Sand Castings

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|-------------------------|------|----------------|--|--|
| Iron | Fe % | 0.800 - 1.500 | As-Cast or Solution Annealing or Normalizing | |
| Aluminium | Al % | 9.000 - 11.000 | | |
| Copper | Cu % | 86.000 min. | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| Mechanical Properties | | | | |
| Tensile Strength in Mpa | | 450 min. | | |
| Yield Strength in Mpa | | 170 min. | | |
| Elongation in % | | 20 min. | | |
| Reduction of Area in % | | - | | |
| Hardness in BHN | | 110 min. | | |
| Impact in Joule | | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B271 C95300 | ASTM | USA | Casting |
| B148 Grade B | ASTM | USA | Casting |
| SB-148 C95300 | ASME | USA | Casting |
| SB-148 Grade B | ASME | USA | Casting |
| SB-505 C95300 | ASME | USA | Casting |
| C95300 | SAE | USA | Casting |
| CA953 | 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.

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