



Material - ASTM B148 Nickle Aluminum Bronze UNS C95800

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 | |
|----------------------|-----------|---------------|---|--|
| Lead | Pb % | 0.030 max. | As-Cast or Annealing or Tempering | |
| Silicon | Si % | 0.100 max. | | |
| Ni + Cu | Ni% + Cu% | 4.000 - 5.000 | | |
| Manganese | Mn % | 0.800 - 1.500 | | |
| Iron | Fe % | 3.500 - 4.500 | | |
| Aluminium | Al % | 8.500 - 9.500 | | |
| Copper | Cu % | 79.000 min. | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 585 min. Yield Strength in Mpa 240 min. Elongation in % 15 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 |
| B505 C95800 | ASTM | USA | Casting |
| B271 C95800 | ASTM | USA | Casting |
| SB-148 C95800 | ASME | USA | Casting |
| SB-505 C95800 | ASME | USA | Casting |
| C95800 | SAE | USA | Casting |
| CACIn703 | KS | Korea | Ingot and Casting |
| B505 C95800 | ASTM | 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

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