



## Material - ASTM B148 C95800

### Standard Specification for Aluminum-Bronze Sand Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B148 Aluminum-Bronze Sand Casting

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

Grade Belongs to the Industry - Casting

| Chemical Composition |           |               | Heat Treatment  |  |
|----------------------|-----------|---------------|---|--|
| Aluminium            | Al %      | 8.500 - 9.500 | As-Cast   |  |
| Iron                 | Fe %      | 3.500 - 4.500 |   |  |
| Manganese            | Mn %      | 0.800 - 1.500 |   |  |
| Ni + Co              | Ni% + Co% | 4.000 - 5.000 |   |  |
| Lead                 | Pb %      | 0.030 max.    |   |  |
| Silicon              | Si %      | 0.100 max.    |   |  |
| Copper               | Cu %      | 79.000 min.   |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             | <b>Mechanical Properties</b><br>Tensile Strength in Mpa      585 min.<br>Yield Strength in Mpa      240 min.<br>Elongation in %      15 min.<br>Reduction of Area in %      -<br>Hardness in BHN      -<br>Impact in Joule      - |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |
| -                    | -         | -             |   |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| C95800                | UNS      | USA     | Rod, Bar, Tube and Shapes    |
| 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](mailto:marketing@gravitycastindia.com)**

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