



Material - ASTM B505 UNS C97600

Standard Specification for Copper Alloy Continuous Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Castings

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|-----------------|----------------|--|
| Tin | Sn % | 3.500 - 4.500 | As-Cast | |
| Lead | Pb % | 3.000 - 5.000 | | |
| Zinc | Zn % | 3.000 - 9.000 | | |
| Ni + Cu | Ni% + Cu% | 19.000 - 21.500 | | |
| Iron | Fe % | 1.500 max. | | |
| Antimony | Sb % | 0.250 max. | | |
| Sulphur | S % | 0.080 max. | | |
| Phosphorus | P % | 0.050 max. | | |
| Aluminium | Al % | 0.005 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Silicon | Si % | 0.150 max. | | |
| Copper | Cu % | 63.000 - 67.000 | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B30 11A | ASTM | USA | Ingot and Casting |
| B30 C97600 | ASTM | USA | Ingot and Casting |
| B271 C97600 | ASTM | USA | Casting |
| B505 C97600 | ASTM | USA | Casting |
| B584 C97600 | ASTM | USA | Casting |
| SB-505 C97600 | ASME | USA | Casting |
| SB-584 C97600 | ASME | 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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