



Material - ASME SB-283 C48500

Standard Specification for Copper and Copper-Alloy Die Forgings

Group - Non Ferrous Copper Alloys

Sub Group - ASME SB-283 C48500 Copper and Copper-Alloy Die Forgings

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

Grade Belongs to the Industry - Forging

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---------------------------------|----------|
| Iron | Fe % | 0.100 max. | As Raw or Solution Heat Treated | |
| Lead | Pb % | 1.300 - 2.200 | | |
| Tin | Sn % | 0.500 - 1.000 | | |
| Copper | Cu % | 59.000 - 62.000 | | |
| Zinc | Zn % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | 358 min. |
| | | | Yield Strength in Mpa | 152 min. |
| | | | Elongation in % | 25 min. |
| | | | Reduction of Area in % | - |
| | | | Hardness in BHN | - |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuZn36Pb2Sn1 | DIN | Germany | Rod |
| B 21 C48500 | ASTM | USA | Rod, Bar and Shape |
| B 124 C48500 | ASTM | USA | Rod, Bar and Shape |
| B 283 C48500 | ASTM | USA | Forging |
| 2.0371 | DIN | Germany | Rod |
| 485 | AS | Australia | Forging |
| C48500 | AS | Australia | Ingot and 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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