



Material - BS CW114C

Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose

Group - Non Ferrous Copper Alloys

Sub Group - BS CW114C Copper and Copper Alloy Rod for Free Machining Purpose

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

Grade Belongs to the Industry - Rod

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---------------------------------|----------|
| Phosphorus | P % | 0.003 - 0.012 | As Raw or Solution Heat Treated | |
| Sulphur | S % | 0.200 - 0.700 | | |
| Other | Ot % | 0.100 max. | | |
| Copper | Cu % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | 250 min. |
| | | | Yield Strength in Mpa | 180 min. |
| | | | Elongation in % | 5 min. |
| | | | Reduction of Area in % | - |
| | | | Hardness in BHN | 80 - 130 |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| EN 12164 CuSP | DIN | Germany | Rod |
| 2.1525 | DIN | Germany | Rod |
| CuSi 3 Mn | DIN | Germany | Rod |
| SB-Cu | DIN | Germany | Rod |
| CuS | PN | Poland | Rod |
| MI | PN | Poland | Rod |
| CuSP | BS | British | Rod |

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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