

Material: EN CU6

Standard Specification for Copper and Copper Zinc Alloy Rod, Bolt, Screw, Stud and Nut

Group: Non Ferrous Copper Alloys

Sub Group: EN CU6 Copper and Copper Zinc Alloy Rod, Bolt, Screw, Stud and Nut

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

Grade Belongs to the Industry: Rod, Bolt, Screw, Stud and Nut

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---------------------------------|----------|
| Aluminium | Al % | 0.200 max. | As Raw or Solution Heat Treated | |
| Iron | Fe % | 0.300 max. | | |
| Manganese | Mn % | 0.500 - 1.500 | | |
| Nickel | Ni % | 0.600 max. | | |
| Lead | Pb % | 1.000 - 2.000 | | |
| Silicon | Si % | 0.100 max. | | |
| Tin | Sn % | 0.300 max. | | |
| Other | Ot % | 0.300 max. | | |
| Copper | Cu % | 57.000 - 59.000 | Mechanical Properties | |
| Zinc | Zn % | Balance | Tensile Strength in Mpa | 440 min. |
| - | - | - | Yield Strength in Mpa | 180 min. |
| - | - | - | Elongation in % | 18 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuZn40Mn1Pb1 | DIN | Germany | Rod |
| 2.058 | DIN | Germany | Rod |
| CuZn40Mn1Pb | DIN | Germany | Rod |
| CuZn40MnPb | DIN | Germany | Rod |
| SoMs58Pb | DIN | Germany | Rod |
| CuZn40Mn1Pb1 | UNI | Italy | Rod |
| C37710 | UNS | USA | Rod |

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