

Metal Alloys Corporation



EQUIVALENT SPECIFICATIONS

SPECIFICATIONS UNS EN DIN BS DESIGNATION C33500 CW713R 2.0550 CuZn37Mn3Al2PbSi

CW713R/CuZn37Mn3Al2PbSi Processing and Property: Excellent hot and cold workability; good forge ability. Fabricated by bending, coining, coppersmith, drawing and upsetting, hot forging and pressing, knurling, roll threading, shearing, spinning, swaging, and stamping.

TYPICAL USES :

INDUSTRIAL: Gears, Sealing Rings, Thrust Bearings, Bushings, Cams, Spindles, Bearings, Idler Pins, Connecting Rods, Drive Shafts, Valve Seats, Sleeve Bearings, Piston Heads MARINE: Pump Parts, Hardware, High Strength

CHEMICAL COMPOSITION

| | Cu | Zn | A | Fe | Mn | Ni | Si | Sn | Pb | Other |
|-----------|-----------|-----|---------|-----|---------|-----|---------|-----|---------|-------|
| Min./Max. | 57.0-59.0 | Rem | 1.3-2.3 | 1.0 | 1.5-3.0 | 1.0 | 0.3-1.3 | 0.4 | 0.2-0.8 | 0.3 |

PHYSICAL PROPERTIES

| Density | 8.1 kg/cm ² |
|---|--|
| Specific Heat | 377J / (kg K) |
| Melting Range Coefficient of Expansion | 875 - 910 °C 20.3 10 ⁻⁶ /K |
| Thermal Conductivity | 65 W/ (m K) |
| Electrical Conductivity | 13.4 % IACS |

SIZES AVAILABLE :

ROUND RODS HEX SQUARE FLAT BILLETS INGOTS 8mm To 100 mm 10mm To 100mm 10mm To 60mm 10mm Min Thickness and max Width 120mm Up to 200 mm As per Specification

Regd. Office & Plant

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