


Hot Forging  
**CW712R**  
 CuZn36Sn1Pb


**Chemistry composition**
**EN12163 / EN12165**

| Cu         | Pb       | Fe       | Ni       | Sn       | Zn   | Others   |
|------------|----------|----------|----------|----------|------|----------|
| 61.0-63.0% | 0.2-0.6% | 0.1% max | 0.2% max | 1.0-1.5% | Rem. | 0.2% max |

**Shapes & sizes**
 Round: 10-80 mm

Standard Length: 3-4 M

**Mechanical properties**

| Temper | Diameter (Round)    | Diameter (Hex) | Tensile Strength, min (Mpa) | Rpo.2 min/max (Mpa) | Elongation min (%) | Hardness min/max (HBW) |
|--------|---------------------|----------------|-----------------------------|---------------------|--------------------|------------------------|
| M      | All as manufactured |                |                             |                     |                    |                        |

**Diameter tolerances - EN12165 Table 17**

| From | up to and including | Class A  | Class B  |
|------|---------------------|----------|----------|
| 10   | 18                  | +/- 0.25 | +/- 0.14 |
| 18   | 30                  | +/- 0.3  | +/- 0.17 |
| 30   | 50                  | +/- 0.6  | +/- 0.2  |
| 50   | 80                  | +/- 0.7  | +/- 0.37 |

\* Stock to Class A

**Bar Ends**

| Shape      | Bar/Rod Chamfering Ends |
|------------|-------------------------|
| All shapes | Saw Cut                 |

**Packaging:** 1000 kg bundle.

\*all size range of 11 mm and below (all shapes) will be packed in fumigated wooden boxes.

**Traceability:** Barcoded labels on strap