

Free-Machining CW614N

CuZn39Pb3








Chemistry composition

EN12164

| Cu | Pb | Fe | Al | Ni | Sn | Zn | Others |
|------------|----------|----------|-----------|----------|----------|------|----------|
| 57.0-59.0% | 2.5-3.5% | 0.3% max | 0.05% max | 0.3% max | 0.3% max | Rem. | 0.2% max |

Shapes & sizes

| | | | | |
|---|--|---|--|--|
|  Round 5-110 mm |  Hex/Oct. 6-60 mm |  Square Consult Mill |  Flat Consult Mill |  Profile Consult Mill |
|---|--|---|--|--|

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 | | | | | |
| R360 | 6-80 | 5-80 | 360 | 0/350 | 20 | N |
| H090 | 6-80 | 5-80 | N | N | N | 70/100 |
| R430 | 2-60 | 2-40 | 430 | 220/- | 10 | N |
| H110 | 2-60 | 2-40 | N | N | N | 110/160 |
| R500 | 2-14 | 2-10 | 500 | 350/- | 5 | N |
| H135 | 2-14 | 2-10 | N | N | N | 135/- |

Diameter tolerances - EN12164 Table 14

| From | up to and including | Class A (Round) | Class B (Round) | Class C (Round) | Tolerances on width across-flats of regular polygonal rod |
|------|---------------------|-----------------|-----------------|-----------------|---|
| 3 | 6 | +0 / -0.05 | +0 / -0.03 | +0 / -0.02 | +0 / -0.08 |
| 6 | 10 | +0 / -0.06 | +0 / -0.036 | +0 / -0.025 | +0 / -0.09 |
| 10 | 18 | +0 / -0.07 | +0 / -0.043 | - | +0 / -0.11 |
| 18 | 30 | +0 / -0.08 | +0 / -0.052 | - | +0 / -0.13 |
| 30 | 50 | +0 / -0.16 | - | - | +0 / -0.16 |
| 50 | 80 | +0 / -0.19 | - | - | +0 / -0.19 |
| 80 | 110 | +2.0 | - | - | - |

* Stock to Class A

Bar Ends

| Shape | Sizes (mm) | Bar/Rod Chamfering Ends |
|-------|----------------------|--|
| RND | Up to & including 60 | one side pointed other chamfered * Above these sizes - Saw Cut |
| HEX | Up to & including 50 | |
| SQR | Up to & including 40 | |

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