

KME Precision
High Performance Brass Rods

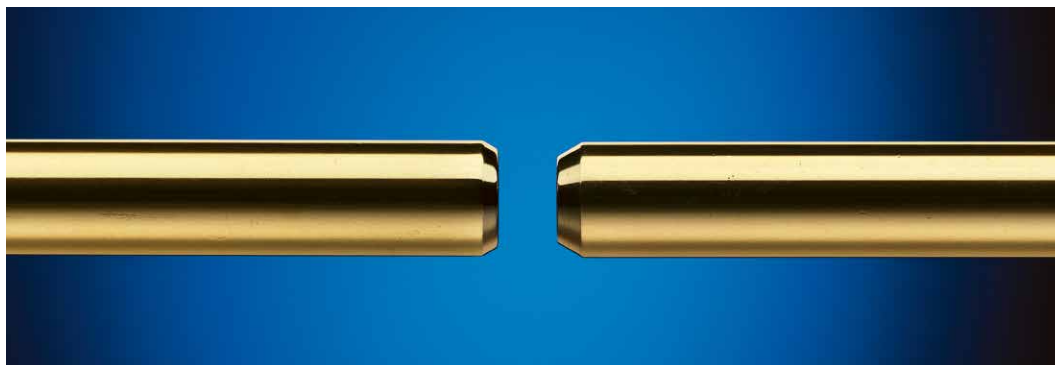


KME Brass Germany GmbH
KME Precision High Performance Brass Rods
[EN]



KME Precision

High Performance Brass Rods



Alloy designation

- CW614N (CuZn39Pb3); ASTM C38500
- delivery from stock Berlin (in accordance with DIN EN 12164)
 - valid for dimensions round 6 – 20mm
 - 100% checked (diameter/straightness)

Length	Rod End A - chamfered	Rod End B - pointed
3000 mm - 0/+ 50 mm	6 - 10 mm 0.2 - 1.0 mm	6 - 10 mm 2.0 - 7.0 mm
4000 mm - 50/+ 0 mm	> 10 - 20 mm 0.2 - 1.5 mm	> 10 - 20 mm 3.0 - 10.0 mm

Dimensional tolerances

Diameter	ISO-Tolerance: h8	Ovalisation
6 mm	- 0.018 mm	≤ 0.009 mm
> 6 - 10 mm	- 0.022 mm	≤ 0.011 mm
> 10 - 18 mm	- 0.027 mm	≤ 0.014 mm
> 18 - 20 mm	- 0.033 mm	≤ 0.017 mm

Straightness tolerance: ≤ 0,5mm/m (½ DIN) 100% Eddy-current tested

Bundle variation

Diameter	Variation
6 - 13 mm	≤ 0.01 mm
> 13 - 20 mm	≤ 0.02 mm



Mechanical characteristics

Diameter	6 - 8 mm	> 6 - 14 mm	> 14 - 20 mm
Metallurgical state	R500	R500	R430
Tensile strength R_M	min. 500N/mm ²	min. 500N/mm ²	min. 430N/mm ²
Elasticity $R_{p0,2}$	min. 350N/mm ²	min. 350N/mm ²	min. 220N/mm ²
Elongation %	$A_{11,3}$: min. 3 %	A: min. 5 %	A: min. 10 %

Packaging

Standard packaging 500 - 1,000 kg bundles
Special packaging on request



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