

Free-Machining CW617N

CuZn40Pb2








Chemistry composition

EN12164

Cu	Pb	Fe	Al	Ni	Sn	Zn	Others
57.0-59.0%	1.6-2.5%	0.3% max	0-0.05%	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
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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	5-60	360	0/320	20	N
H090	6-80	5-60	N	N	N	90/125
R430	2-40	2-35	430	220/-	10	N
H110	2-40	2-35	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
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