

Technical characteristics

Designations			Measurements in mm									Hardness				Tensile Strength	Yield Limit at 0,2%	Elongation	
			round, square, hexagonal			rectangular													
Symbolic	Numerical	Metallurgical State	From	Greater than	Up to and including	Thickness			Width			min.	max.	min.	max.	R _m N/mm ²	R _{p0.2} N/mm ²	A _{100mm}	A
						From	Greater than	Up to and including	From	Greater than	Up to and including							%	%
Cu-ETP Cu-FRHC Cu-OF Cu-OFE CuAg0,04 CuAg0,07 CuAg0,10 CuAg0,04P CuAg0,07P CuAg0,10P CuAg0,04(OF) CuAg0,07(OF) CuAg0,10(OF) Cu-PHC Cu-HCP Cu-PHCE	CW004A CW005A CW008A CW009A CW011A CW012A CW013A CW014A CW015A CW016A CW017A CW018A CW019A CW020A CW021A CW022A	D	2	–	160	0,5	–	40	1	–	200	Cold drawn product without specific properties							
		H035 ^a	2	–	160	0,5	–	40	1	–	200	35	65	35	65	–	–	–	–
		H200 ^a	2	–	160	1	–	40	5	–	200	–	–	–	–	200	max.120	25	35
		H065	2	–	80	0,5	–	40	1	–	200	65	90	70	95	–	–	–	–
		R250	2	–	10	1	–	10	5	–	200	–	–	–	–	250	min. 200	8	12
		R250	–	10	140	–	–	–	10	200	–	–	–	–	250	min. 180	–	15	
		R230	–	30	80	–	10	40	–	10	200	–	–	–	–	230	min. 160	–	18
		H085	2	–	40	0,5	–	20	1	–	120	85	110	90	115	–	–	–	–
		H075	–	40	80	–	20	40	–	20	160	75	100	80	105	–	–	–	–
		R300	2	–	20	1	–	10	5	–	120	–	–	–	–	300	min. 260	5	8
		R280	–	20	60	–	10	20	–	10	120	–	–	–	–	280	min. 240	–	10
		R260	–	40	60	–	20	40	–	20	160	–	–	–	–	260	min. 220	–	12
		H100	2	–	10	0,5	–	5	1	–	120	100	–	110	–	–	–	–	–
		R350	2	–	10	1	–	5	5	–	120	–	–	–	–	350	min. 320	3	5

NOTE – 1 N/mm² is equivalent to 1 MPa

^a Annealed.

Tolerances

Nominal measurements		Tolerances ^a			
		Round Bars and Wiring ^b (Diameter)		Square and Hexagonal Bars and Wiring (width between faces)	
Greater than	Up to and including	Class A	Class B	Class A	Class B
2 ^c	3	0	± 0,03	-	-
		-0,06			
3	6	0	± 0,04	0	± 0,06
		-0,08		-0,12	
6	10	0	± 0,05	0	± 0,08
		-0,09		-0,15	
10	18	0	± 0,06	0	± 0,09
		-0,11		-0,18	
18	30	0	± 0,07	0	± 0,11
		-0,13		-0,21	
30	50	0	± 0,08	0	± 0,13
		-0,16		-0,25	
50	80	0	± 0,10	0	± 0,15
		-0,19		-0,30	

Nominal measurements		Tolerances ^a			
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Greater than	Up to and including	Class A	Class B	Class A	Class B
80	120	0	± 0,18	0	±0,27
		-0,35		-0,54	
120	160	0	± 0,30	0	±0,32
		-0,6		-0,63	

^a The tolerances specified are based on the ISO h11 or ISO h12 tolerances for class A (only negative tolerances) and on ISO js11 or ISO js12 tolerances for class B (positive / negative tolerances).

^b Circularity (see section 3.3) is included in the tolerances for diameter, and must not exceed half of the tolerance specified in the table.

^c Including the value of 2mm

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		R300	2	–	20	1	–	10	5	–	120	–	–	–	–	300	min. 260	5	8
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