



**BRONMETAL**

Copper Alloy CuA

Product format:

Tube

Technical characteristics:

Copper alloy tube (round, square, rectangular)

## TOLERANCES

Nominal diameter		Mean diameter tolerances	
Above	Up to and including	Applicable to the average diameter	Applicable to any diameter including the deviations from circular shape to the straight lengths <sup>a,b</sup>
3 <sup>c</sup>	10	± 0,06	± 0,12
10	20	± 0,08	± 0,16
20	30	± 0,12	± 0,24
30	50	± 0,15	± 0,30
50	100	± 0,20	± 0,50
100	200	± 0,50	± 1,00
200	300	± 0,75	± 1,50
300	450	± 1,00	± 2,00

<sup>a</sup> The tolerances given in this column does not apply to:

- tubes in roll sor coils
- tubes with OD/T>50
- tubes in the annealed condition.

<sup>b</sup> When the diameter is measured at a distance from the ends of the tuve up to 100mm or equal to a nominal diameter (choosing the lesser of two values), unless otherwise agreed, is allowed to increase the tolerance multiplied by 3.

<sup>c</sup> Including 3.

Nominal outside diameter		Tolerances of the nominal wall thickness t (%)				
mm		t of 0,3 mm to 1 mm inclusive	t above 1 mm to 3 mm inclusive	t above 3 mm to 6 mm inclusive	t above 6 mm to 10 mm inclusive	t above 10mm
Above	Up to and including					
3 <sup>a</sup>	40	± 15	± 13	± 11	± 10	-
40	120	± 15	± 13	± 12	± 11	± 10
120	250	-	± 13	± 13	± 12	± 11
250	450	-	-	± 15	± 15	± 15

<sup>a</sup> Including 3.

## DIAMETER TOLERANCES INCLUDING THE DIVERSION OF THE CIRCULAR SHAPE, TUBES OR COILS ROLLS

Nominal outside diameter		Nominal diameter tolerance deviation including circular	Applicable to the inner diameter of winding
Above	Up to and including		
3 <sup>a</sup>	6	± 0,30	mín 400
6	10	± 0,50	600
10	20	± 0,70	800
20	30	± 0,90	1000

<sup>a</sup> Including 3.