



**BRONMETAL**

Copper Cu

Product format:

Características técnicas:

Industrial tubes

Round, square, rectangular and oval for  
general applications



## TOLERANCES

Nominal diameter		Mean diameter tolerances	
Above	Up to and including	Applicable to the average diameter	Applicable to any diameter including the deviations from the circular shape to the straight lengths
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 tolls and 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 tube 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 thickness t (%)				
mm		t of 0,3 mm to 1 mm inclusive	t above 1 mm to 3 mm inclusive	t above de 3 mm to 6 mm inclusive	t above de 6 mm to 10 mm inclusive	t above 10mm
Above	Up to and included					
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> Included 3.

Nominal outside diameter		Nominal diameter tolerance deviation including circular	Applicable to the inner diameter of winding
Above	Up to and included		
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> Included 3.