



## Copper C103 data sheet.

C103 is an oxygen free, high conductivity copper with excellent cold working properties.

C103 has many uses in multiple industries such as...

- Re-drawing
- Weaving wire for the paper making industry
- Brazing
- Wire and tube for electrical purposes

C103 is available from us in bar in the following sizes...

**From 1.1/4" dia – 6" dia**

### Chemical & Physical properties

#### Typical Chemical Composition

<i>Elements</i>	<i>Min %</i>	<i>Max %</i>
<b>Bi</b>		0.001
<b>Cu</b>	99.95	
<b>Pb</b>		0.005



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## Typical Mechanical properties

O= Annealed

1/2H= Cold worked, half hard

H= Cold worked, hard

Property/unit	Condition	Min	Max
Tensile Strength (N/mm <sup>2</sup> )	O		260
Elongation in 5.65√Cross sectional area	O	32	
Tensile Strength (N/mm <sup>2</sup> )	1/2H	290	
Elongation in 5.65√Cross sectional area	1/2H	4	
Tensile Strength (N/mm <sup>2</sup> )	H	350	

### Tolerances

**Above 2.5mm – 3mm + 0-0.04mm**

**Above 3mm - 6mm + 0-0.05mm**

**Above 6mm – 10mm + 0-0.06mm**

**Above 10mm – 18mm + 0-0.07mm**

**Above 18mm – 20mm + 0-0.052mm**

**Above 20mm – 30mm + 0-0.08mm**

**Above 30mm – 50mm + 0-0.16mm**

**Above 50mm – 80mm + 0-0.19mm**

The information above is based on our current knowledge and is given in good faith; however the company will accept no liability in respect of any third party reliance thereon.