



Tel : (0044) (0)1384 868080 Fax : (0044) (0)1384 482088

Email : sales@ppnonferrous.co.uk

This high speed machining brass is ideal for the very rapid production of components in automatic lathes. Due to the inclusion of lead in its composition, CZ121 has superior machinability.

CZ121 has uses such as...

- Nuts and Bolts
- Screws
- Valves & Fittings
- Pneumatics and hydraulics
- Domestic hardware

CZ121 is available in the following forms:

Bars, Hexagons and Squares,

Bars from 1/8" dia – 10" dia

Hexagon from 3mm – 2 13/16"

Squares from 1/8"sq – 4"sq

Chemical and Physical Properties

Typical chemical composition

<i>Elements</i>	<i>Min%</i>	<i>Max%</i>
Cu	56.5	58.5
Fe		0.3
Pb	2.5	3.5
Zn	Remainder	

Typical Mechanical Properties

Properties/unit	Condition	Min
Tensile Strength(N/mm²)	M	425
Elongation in 5.65√cross sectional area%	M	15



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Tolerances

Round bar: 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

Hexagon Above 3mm – 6mm + 0-0.08mm

& Square: Above 6mm – 10mm + 0-0.09mm

Above 10mm – 18mm + 0-0.11mm

Above 18mm – 30mm + 0-0.13mm

Above 30mm – 50mm + 0-0.16mm

Above 50mm – 60mm + 0-0.19mm

The information given 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.