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This copper zinc alloy otherwise known as naval brass, employs tin in its composition in order to dramatically improve the material's resistance to corrosion and dezincification, which is particularly noticeable in salt water and other aggressive environments.

CZ112 is particularly useful in the following industries...

- Process and chemical
- Heating (pipe fittings etc...)
- Marine

CZ112 is mainly available in round bar, hexagon, sheet and plate in the following sizes...

Round Bar from 5/32" dia – 7" dia

Hexagon from 0.375" a/f – 3.15" a/f

Chemical & Physical Properties

Typical Chemical Composition

<i>Elements</i>	<i>Min %</i>	<i>Max %</i>
Cu	61.0	63.5
Sn	1.0	1.4
Zn	Remainder	



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Typical mechanical properties

M: As manufactured

Property/unit	Condition	Min
Tensile Strength (N/mm ²)	M	400
Elongation in 5.65√Cross sectional Area %	M	15

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 – 30mm + 0-0.08mm

Above 30mm – 50mm + 0-0.16mm

Above 50mm – 80mm + 0-0.19mm

Hexagon: Above 3mm – 6mm + 0-0.08mm

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.