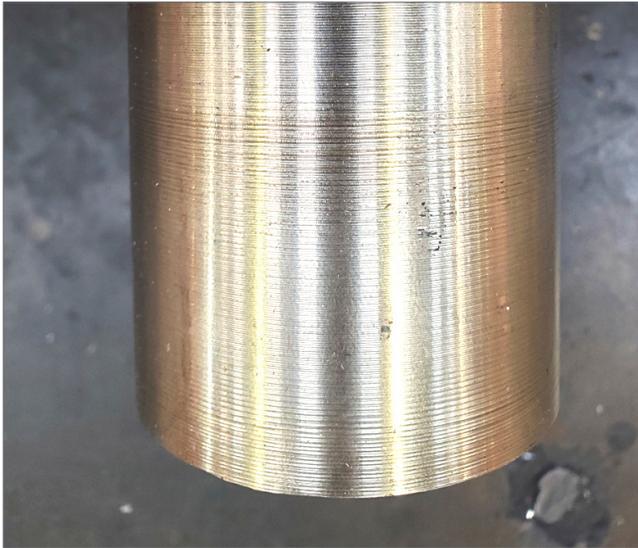




# THAMES STOCKHOLDERS

## CZ128 (CW608N) FREE-MACHINING BRASS ALLOY

Page: 1 of 1



### Product Overview

**CZ128 (CW608N)** has a much higher copper content resulting in an alloy with improved malleability and hot-forming capabilities.

Known as a free-machining or hot-stamping brass alloy, CZ128 provides superior machinability and finds use in producing turned parts and fittings. With excellent hot-forming characteristics, the alloy is ideal for hot stamping since the alloy does not deform during such processes. The material offers some cold workability, although bending is limited.

We stock CZ128 brass alloy in round bar, sheet and plate which we process in-house to your individual size requirements.

### Key Features

- Free machining alloy
- Good hot forming capabilities
- Some cold workability
- Improved ductility

### \* Chemical Composition (weight, %)

	Cu	Pb	Fe	Zn	Al	Ni	Sn	Others (total)
Min.	60.00	1.60						
Max.	61.00	2.50	0.20	Rem	0.05	0.30	0.20	0.20

\* Properties as per BS EN 12164

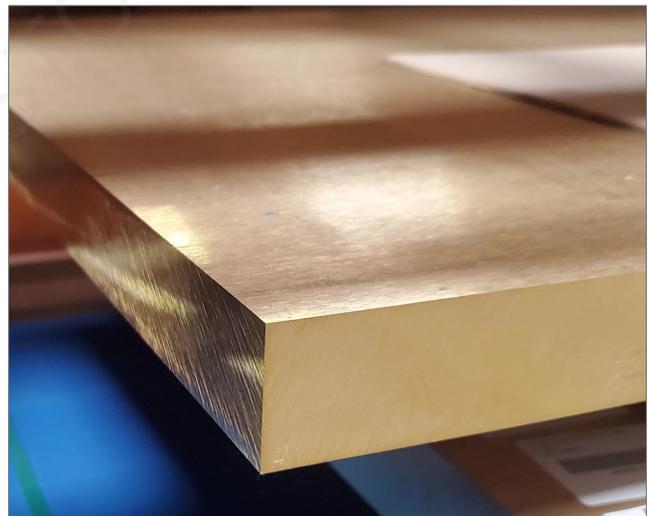
### \* Mechanical Properties

Tensile, R360	
Tensile Strength	360 MPa min
Proof Strength	300 MPa max
Elongation	20% min
Hardness, H070	
Brinell	70 - 100 HBW

\* Properties as per BS EN 12164

### Applications

- High pressure valves
- Carbon monoxide cylinder valves
- Complex parts
- Window fittings



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