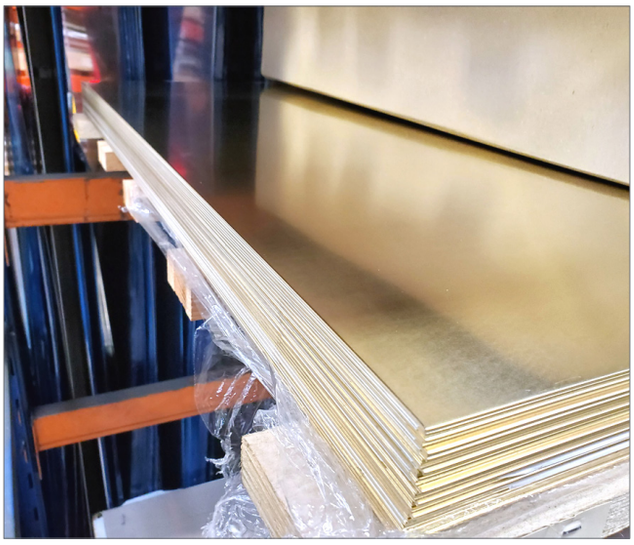
THAMES STOCKHOLDERS
A Division of SMITHS

CZ108 (CW508L)

BRASS ALLOY



Product Overview

Referred to as a brass containing 37% zinc, **CZ108 (CW508L)** is classified as an alpha brass and is a popular grade due to the material's hot and cold working properties.

The material can be machined but only at a slow speed with very light feeds. CZ108 finds use where severe bending properties are required. It is also known as a high-purity cold-forming brass. Product availability includes sheets and tubes. The Corrosion resistance of the alloy is good to excellent, although the material is unsuitable for use with hydrochloric, nitric and acetic acids and most ammonias.

Our product availability includes sheets and tubes.

Key Features

- Good corrosion resistance
- Superior bending properties
- Cold working is excellent and can be easily drawn
- Excellent for soldering and brazing

Applications

- General copper smithing work
- Radiator tanks, heat exchangers
- Decorative components

Material Specifications: C27200, CuZn37, CW508L, CZ108

* Chemical Composition (weight, %)

	Cu	Ni	Sn	Pb	Al	Zn	Fe	Other
Min.	62.0							
Max.	64.0	0.30	0.10	0.10	0.05	Bal	0.10	0.10

* Properties as per BS EN 12163

* Mechanical Properties

Tensile, R290	
Tensile Strength	290 MPa, min
Proof Strength	230 MPa, min
Elongation	45% min
Hardness, H070	
Brinell	70 -110 HBW

* Properties as per BS EN 12163

THAMES STOCKHOLDERS
A Division of SMITHS

Thames Stockholders
Unit 5W. Woodall Road, Redburn Industrial Estate
Ponders End, Enfield, Middlesex EN3 4LQ

Tel: +44 (0)20 8805 3282

sales@thamesstock.com

www.thamesstock.com

bsi ISO 9001 Quality Management Systems CERTIFIED

SCAN ME

All information in our data sheet is based on approximate testing and is stated to the best of our knowledge and belief. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of trading.

© Thames Stockholders 2026