

CZ108 (CW508L)

BRASS ALLOY

PRODUCT DESCRIPTION

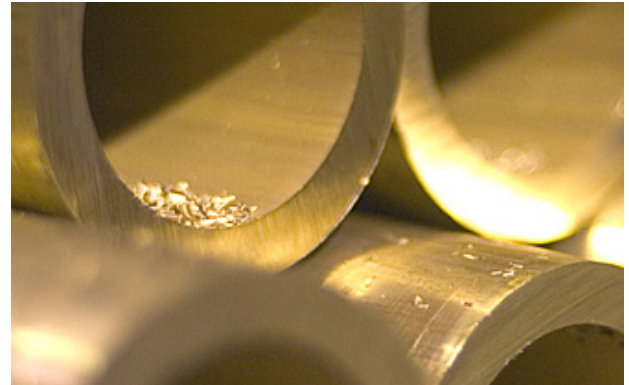
Referred to as a basic brass containing 37% zinc, **CZ108 (CW508L)** is classified as an alpha brass and is a popular grade due to the material's hot and cold working properties. The material can be machined but only at slow speed with very light feeds. CZ108 is used where severe bending properties are required. It is also known as a high purity cold forming brass. Product available in sheet and tube.

KEY FEATURES

- Good corrosion resistance
- Very good 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



CORROSION RESISTANCE

Not suitable for use with hydrochloric, nitric and acetic acids and most ammonias. Otherwise good to excellent.

MATERIAL SPECIFICATIONS

CW508L | CZ108 | C27200 | CuZn37

CHEMICAL COMPOSITION (weight %)

	Cu	Ni	Sn	Pb	Al	Zn	Other
Min	62.0						
Max	64.0	0.30	0.10	0.10	0.05	Bal	0.20

MECHANICAL PROPERTIES

	Min.	Max.
Proof Stress	110 MPa	500 MPa
Tensile Strength	300 MPa	550 MPa
Elongation $\sqrt{5.65}$	15%	
Hardness Vickers	55 HV	180 HV