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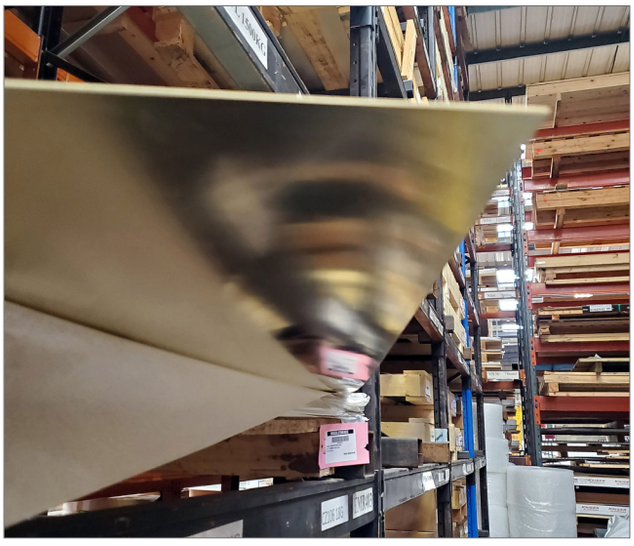
CZ106 (CW505L)

BRASS ALLOY (Cartridge Brass)



Product Overview

Often referred to as cartridge brass, **CZ106 (CW505L)** is an alpha brass alloy with less than 37% zinc content.

The free-machining material offers many attractive characteristics. The material is malleable and can be cold-formed while providing high tensile strength and corrosion resistance. The cold-forming capabilities of the alloy are excellent, and deep drawing characteristics are also impressive. The alloy finds suitability in applications where ductility and strength are required.

We stock CZ106 brass alloy in tube and sheet which is available for immediate supply.

Key Features

- Free machining alloy
- Excellent cold forming and deep drawing properties
- Good ductility
- High tensile strength

Applications

- Deep drawn and spun components
- Chains and fastenings
- Heat exchanger tubes
- Chemical processing plants

Material Specifications: CuZn30, CW505L, CZ106

* Chemical Composition (weight, %)

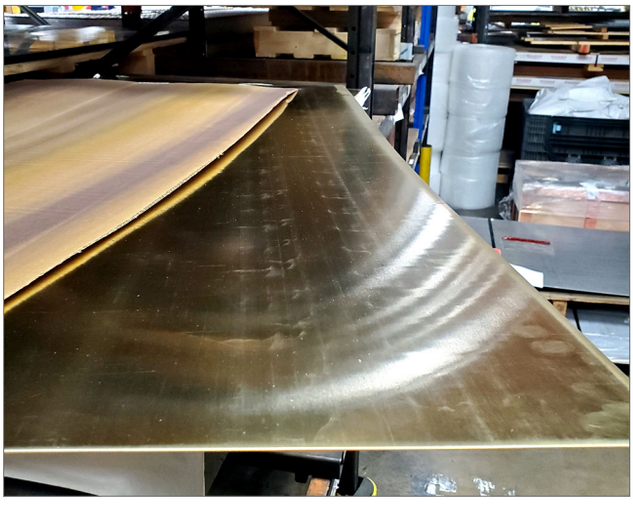
	Cu	Ni	Sn	Pb	Al	Zn	Fe	Other
Min.	69.0							
Max.	71.0	0.30	0.10	0.05	0.02	Bal	0.05	0.10

* Properties as per BS EN 12163

* Mechanical Properties

Tensile, R280	
Tensile Strength	280 MPa min
Proof Strength	250 MPa min
Elongation	45% min
Hardness, H070	
Brinell	70 - 115 HBW

* Properties as per BS EN 12163



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