

## Copper Alloys

## CW606N (CZ131) Bar

Datasheet Updated  
05 December 2024

### RANGE

Product Form	Imperial Sizes	Metric Sizes
Round Bar EN12164	3/16" - 1"	5.0mm - 10.0mm

### SPECIFICATIONS

Commercial	CZ131
EN	CW606N

A brass for machining, fasteners and rivets.

### CHEMICAL COMPOSITION

EN 12164  
CW606N Brass

Element	% Present
Copper (Cu)	61.00 - 63.00
Lead (Pb)	1.70 - 2.80
Aluminium (Al)	0.00 - 0.05
Iron (Fe)	0.00 - 0.10
Nickel (Ni)	0.00 - 0.30
Others (Total)	0.00 - 0.20
Tin (Sn)	0.00 - 0.10
Manganese (Mn)	0.00 - 0.10
Zinc (Zn)	Balance

### ALLOY DESIGNATIONS

CZ131/CW606N corresponds to the following designations **but may not be a direct equivalent:**

- UNS C35300
- ISO CuZn37Pb2

### SUPPLIED FORMS

- Bar

### APPLICATIONS

- Nuts
- Fasteners
- Rivets
- Domestic appliances
- Automotive engineering
- Hose fittings
- Intricate parts such as clock components
- Battery terminals

### CHARACTERISTICS

- Good strength & ductility
- High general corrosion resistance
- Good machinability

### MECHANICAL PROPERTIES

EN 12164  
Bar 10mm to 80mm Dia/10mm to 60mm AF

Property	Value
Proof Stress	200-350 MPa
Tensile Strength	340-480 MPa
Hardness Brinell	70 to 140 Max HB
Elongation A	20 to 8 %

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