

CZ130 (CW623N)

Technical Datasheet



Machinable Brass

Service. Quality. Value.

Applications

- Hot forging fabrication
- Decorative applications

Product Description

CZ130 brass alloy is a machinable brass typically used in sections. CZ130 also covers brass with Aluminium removed from the above composition. This variation is CW623N. The addition of Aluminium imparts a golden lustre which eliminates the need for additional polishing.

Machinability

Very good with a rating of 90.

Hot Working / Cold Working

Hot working is excellent. Cold working is poor to fair.

Availability

Angle, channel and T-section

Alloy Attributes

- High tensile strength
- High corrosion resistance

Related Material Specifications

- CW624N
- CW623N
- CZ130
- CuZn43Pb2Al
- CuZn43Pb2

Corrosion Resistance

Good corrosion resistance.

Weldability

- | | |
|--------------------------|-------------------|
| Soldering | - Excellent |
| Oxyacetylene welding | - Not recommended |
| Gas shielded arc welding | - Not recommended |
| Resistance welding | - Fair |
| Friction welding | - Good |

Chemical Composition (weight %)

Weight (%)	Cu	Pb	Al	Zn
min.	55	1.6	0.05	Balance
max.	57	3.0	0.50	balance

Mechanical Properties

Tensile Strength	350 - 420 MPa
Proof Stress 0.2%	150 - 220 MPa
Elongation A5 (%)	20 - 30
Hardness HV	90 - 120

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

Smiths Belfast **02895 908 897**
Smiths Biggleswade **01767 604 704**
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Quality & Testing:



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