

CZ131 (CW606N)

Technical Datasheet



Riveting & Turning Brass

Service. Quality. Value.

Applications

- Plumbing fittings
- Fastenings
- Builders hardware
- Battery terminals

Product Description

CZ131 brass alloy is known as a riveting and turning brass. It has good machinability due to a fine dispersion of lead particles throughout the microstructure. The material is typically used in components requiring forming and machining. CZ131 offers a high general level of corrosion resistance with a good combination of high strength and ductility.

Corrosion Resistance

High corrosion resistance.

Availability

Bar

Alloy Attributes

- High corrosion resistance
- Good strength and ductility
- Good machinability and formability

Material Specifications

- CZ131
- CW606N
- C35300
- CuZn36Pb2

Weldability

| | |
|----------------------------------|-------------------|
| Soldering | - Excellent |
| Brazing | - Good |
| Oxyacetylene welding | - Not recommended |
| Gas shielded arc welding | - Not recommended |
| Resistance welding - Spot & Seam | - Not recommended |
| Butt | - Fair |
| Friction welding | - Good |

Chemical Composition (weight %)

| Weight (%) | Cu | Pb | Fe | Zn | Other |
|------------|------|-----|-----|-----|----------|
| min. | 61.0 | 1.5 | 0.0 | Rem | 0.0 |
| max. | 63.0 | 2.5 | 0.2 | Rem | 0.50 max |

Mechanical Properties

| | |
|---------------------------|-----------------------|
| Ultimate Tensile Strength | 350 N/mm ² |
| Proof Stress 0.2% | - |
| Elongation A5 (%) | 25% |

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
Smiths Birmingham 0121 728 4940
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Main Office 0845 527 3331

Quality & Testing:



www.smithmetal.com info@smithmetal.com

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