

CZ132 (CW602N)

Technical Datasheet



Service. Quality. Value.

Dezincification Brass

Applications

- Fluid handling systems
- Water fittings
- Hot formed and machined parts

Product Description

CZ132 is a leaded arsenical brass with a duplex structure. It is a brass alloy specifically developed to provide good levels of resistance to dezincification corrosion, a feature common in hot working brasses. The alloy has good machinability and is easily hot forged. Traditionally CZ132 is used in water fittings which are required to be produced by hot stamping and machining.

Corrosion Resistance

High corrosion resistance.

Availability

Bar

Alloy Attributes

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

Related Material Specifications

- CZ132
- CW602N
- CuZn36Pb2As
- C35330

Weldability

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

Chemical Composition (weight %)

Weight (%)	Cu	Pb	As	Zn	Sn	Fe	Total Impurities
min.	Rem	1.7	0.08	35.0			
max.	Rem	2.8	0.15	37.0	0.2	0.2	0.5 max.

Mechanical Properties

Ultimate Tensile Strength	350 N/mm ²
Proof Stress 0.2%	-
Elongation A5 (%)	22%

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**
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Quality & Testing:



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