

CZ115 (CW722R)

Technical Datasheet



Service. Quality. Value.

High Tensile Brass

Applications

- Pumps
- Gas valves & fittings
- Marine components
- Transmission components
- Decorative metalwork
- Fasteners

Product Description

CZ115 is similar in composition to CZ114 but with restricted aluminium content - this makes the alloy more suitable for high strength brass components to be joined with improved soldering and brazing capabilities. The alloy boasts a good machinability rating. The introduction of greater levels of tin and iron improves the strength and corrosion resistance properties of this alloy considerably. Like CZ114, CZ115 is often referred to as a manganese bronze.

Availability

Bar

Alloy Attributes

- Good corrosion resistance
- Non-sparking
- Suitable for soldering and brazing
- High strength

Related Material Specifications

- CZ115
- CW722R
- CuZn39AlFeMn

Corrosion Resistance

Very good.

Weldability

Soldering	- Very Good
Brazing	- Very Good
Oxy-acetylene welding	- Not Recommended
Gas-shielded arc welding	- Not Recommended
Resistance welding: Spot & Seam	- Not Recommended
Butt	- Fair

Chemical Composition (weight %)

Weight (%)	Cu	Sn	Pb	Fe	Al	Mn	Zn	Other
min.	56.5	0.2	0.5	0.3		0.5	Rem	
max.	58.5	0.8	1.5	1.0	0.1	2.0	Rem	0.5 max

Mechanical Properties (minima 18-80mm)

Tensile Strength	440 N/mm ²
0.2% Proof Stress	210 N/mm ²
Elongation √5.65	15%

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.

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Quality & Testing:



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