

Product Information Sheet

ISSUE A

ALLOY CZ132

A. W. Fraser Alloy CZ132 is a leaded arsenical brass conforming to the requirements of B.S. 2874 & B.S. 2872.

CZ132 has been developed as a machining and forging brass which exhibits excellent resistance to dezincification.

The composition of A. W. Fraser alloy CZ132 is strictly controlled as are the extrusion and finishing operations to achieve a consistent standard of quality, properties and structure. All extrusions are manufactured from continuous cast billet ensuring uniform dispersion of lead particles, homogenous grain structure and freedom from porosity.

Batches of CZ132 extrusions are tested for dezincification resistance in accordance with A.S. 2345 - 1992.

ALLOY CZ132 - DEZINCIFICATION RESISTANT BRASS	SUMMARY OF PROPERTIES
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Chemical Composition - percent [Typical]

Element		
Copper	Cu	61.0
Lead	Pb	2.0
Arsenic	As	0.12
Zinc	Zn	Balance

Total Impurities 0.50 maximum

Mechanical Properties [Typical]

Yield Strength	
Ultimate Tensile Strength	
Elongation	
Typical Hardness	
Specific Gravity	
Machinability Rating (Free Machining Brass=100)	

As Extruded

150 Mpa (21,750 psi)
320 Mpa (46,400 psi)
35%
62 RB
8.43
Good

Comparative Specifications *

AS 1565 C35200; UNS C35330

* Similar but not identical.