

BRASS CZ132-CW602N



The CW602N / CZ132 dezincification resistant brass (DZR Brass) is essentially a leaded arsenical brass with a duplex structure. As its name suggests it was originally developed to provide good resistance to dezincification type corrosion which is experienced by normal hot working brasses.

As well as the improved dezincification / corrosion resistance the CW602N / CZ132 also offers good strength levels, is readily machined and easily hot forged. Its primary usage over the years has been for water fittings that are produced by hot stamping and machining.

CHEMICAL & PHYSICAL PROPERTIES

Chemical Composition

Copper	Rem
Lead	1.7-2.8%
Arsenic	0.08-0.15%
Zinc	35.0-37.0%
Tin	0.2% max
Iron	0.2% max
Total Impurities	0.5% max

Typical Mechanical Properties

Melting Point	910°C
Density	8.43 g/cm ³
Specific Heat	377
Thermal conductivity (20°C)	117 W/m ² K
Thermal expansion coefficient (20-200°C)	20.7 x 10 ⁻⁶ per °C
Electrical conductivity	26 % IACS
Electrical Resistivity	0.066 ohm mm ² /m
Modulus of Elasticity	106 KN/mm ²