



## DEZINCIFICATION RESISTANT BRASS (DZR BRASS)

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
UNS	C35330
BS	CZ 132
European	CW602N

Alloy C352 Brass is a copper-zinc-lead alloy with a small addition of arsenic, having a mainly alpha phase structure in the “as used” heat treated condition, with a fine dispersion of lead particles. It has excellent machinability, good cold forming properties, with a high resistance to dezincification.

### TYPICAL APPLICATIONS:

Valves, stopcocks, taps and other plumbing fitting coming in contact with chlorinated water supplies.

### CHEMICAL COMPOSITION

	Cu	As	Pb	Zn
Min/Max	61.0 - 63.0	0.02-0.15	1.7 - 2.8	Rem

### PHYSICAL PROPERTIES

Melting Point - Liquidus °F	1660
Melting Point - Solidus °F	1645
Densitylb/cu in. at 68 °F	8.45
Specific Gravity	8.45
Electrical Conductivity% IACS at 68 °F	26
Coefficient of Thermal Expansion 68-57210 <sup>-6</sup> per °F (68 - 572 °F)	12.4
Modulus of Elasticity in Tensionksi	15000

### SIZES AVAILABLE :

HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6mm To 130 mm
HEX	5mm To 60mm
SQUARE	4mm To 60mm
FLAT	5mm Min Thickness and max Width 120mm
PROFILES / SECTIONS	AS per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	AS per Specification

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