

## Copper Alloys

## CC492K (LG4) Bar

Datasheet Updated  
05 August 2021

### SPECIFICATIONS

Commercial	LG4
EN	CC492K

Leaded tin bronze alloy.

### CHEMICAL COMPOSITION

#### LG4

Element	% Present
Copper (Cu)	85.00 - 89.00
Lead (Pb)	2.50 - 3.50
Zinc (Zn)	1.50 - 3.50
Nickel (Ni)	0.00 - 2.00
Phosphorous (P)	0.00 - 0.01
Tin (Sn)	6.00 - 8.00

### ALLOY DESIGNATIONS

- BS1400 LG4
- CuSn7Pb3Zn3

### SUPPLIED FORMS

- Bar

### APPLICATIONS

- Valve parts
- Pump bodies
- Sea water handling components
- Bushes
- Bearings

### CHARACTERISTICS

- Improved mechanical properties
- Better resistance to impingement and cavitation attack in contact with fast moving fluids
- Good corrosion resistance
- Moderate strength
- Better machining characteristics than other bronzes

### MECHANICAL PROPERTIES

Property	Value
Elongation A50 mm	12 %
Hardness Brinell	70 HB
Tensile Strength	240 N/mm <sup>2</sup>
0.2% Proof Stress	130 N/mm <sup>2</sup>

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