

BS 1400 LG2

COPPER ALLOY

LEADED GUNMETAL LG2

CC491K / LG2 is the most commonly used leaded gunmetal offering excellent machining properties and a very good wear resistance. It is a medium strength alloy with good pressure tightness, is resistant to dezincification and offers a reasonable corrosion resistance in sea water and brine. CC491K / LG2 is mainly utilised for pump and valve components (bodies and fittings) and is ideally suited for bearings having light loads and low to medium speeds under adequate lubrication or for very light duty gears when loading is negligible.

Chemical Properties

Cu	Sn	Zn	Pb
85	5	5	5

Mechanical Properties

Yeild strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
110	230	10	65

Physical Properties

Density	Elastic Modulus	Mean Coefficient of Thermal	Thermal Conductivity
(Kg/m ³)	(Gpa)	Expansion(µm/m/°C)	(W/m.K)
8.83	93	18	20

Equivalent Designation

UNS CC491K
BS 1400 LG2
CuSn5ZnPb
CC491K
C836

CUSTOMER ASSISTANCE : customer@TorqBolt.com