

BS 1400 LB1

COPPER ALLOY

LEADED BRONZE LB1

BS1400:LB1 is a leaded Bronze LB1 containing approximately 9% lead and 5% Tin. These additions create an alloy with excellent machining properties, good wear properties, a medium strength and a good corrosion resistance. It will withstand some weaker acids in contaminated waters. Suitable for bearings where low to moderate loads are used the LB1 is also ideal for applications with little lubrication or possible miss-alignment for short periods. The LB1 is most suitable for mild steel shafts with low loadings or hard shafts with moderate or low loads and speed.

Chemical Properties

Cu	Sn	Pb
76	9	15

Mechanical Properties

Yield strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
150	230-310	9.0-10	70-90

Equivalent Designation

UNS C93100
BS 1400 LB1
Din CuPb15Sn
CC496K

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