

BS 1 400 LB5

COPPER ALLOY

LEADED BRONZE LB5

BS1400:LB5 is a leaded Bronze LB5 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 LB5 is also ideal for applications with little lubrication or possible miss-alignment for short periods. The LB5 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 |
|----|----|----|
| 75 | 5 | 20 |

Mechanical Properties

| Yeild strength | Tensile strength | Elongation | Hardness |
|----------------|------------------|------------|----------|
| Min 0.2% Mpa | Min Mpa | Min % | HRB |
| 130 | 190-270 | 8.0-16 | 50-70 |

Equivalent Designation

UNS C94100
BS 1400 LB5
Din CuPb20Sn
CC497K
C941

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