

LEADED PHOSPHOR BRONZE

BS 1400 LPB1

ALLOY

Leaded Phosphor Bronze Nominal Composition of CuSn7PbP .Cast Alloy of Good strength combined with low friction properties and good general corrosion resistance. Leaded Phosphor Bronze is typically used for Gears, bearings, bushings, wear / slide plates, worm wheels with moderately hard shafts, requiring moderately high loads, moderate to low speeds with less adequate lubrication and alignment than phosphor bronze.

Chemical Properties

Cu	Sn	Zn	Pb	P	Ni	Fe	Al	Sb	Si	S	T-I
						Max	Max	Max	Max	Max	Max
Remainder	6.5-8.5	2	2.0-3.8	0.4 Min	1	0.2	0.01	0.25	0.01	0.1	0.5

Mechanical Properties

Yeild strength	Tensile strength	Elongation
Min 0.2% Mpa	Min Mpa	Min %
150	240	10

Heat Treatment

The annealing temperature of LEADED PHOSPHOR BRONZE is 800°-110°0F

Equivalent Designation

BS 1400 LPB1
 BS EN 1982-2008 GC CC492K
 CuSn7Zn2Pb3-C
 Def Stan 02 830 Part 1
 NES 830 Part 2
 AS 1565-1985 C93100
 AS 1565-1974 931D

CUSTOMER ASSISTANCE : customer@TorqBolt.com