LB9 - Machined Bronze

Characteristics

- Traditional bearing material for lubricated general engineering applications
- Suitable for oil or grease lubrication

Applications

Industrial

- Mechanical handling and lifting equipment
- hydraulic cylinders
- hydraulic motors
- pneumatic equipment
- medical equipment
- textile machinery
- agricultural equipment, etc.

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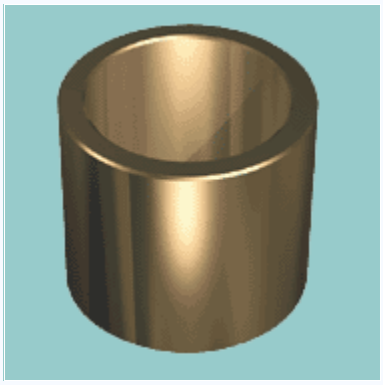


Composition & Structure

CuSn5Pb10; Other standard bronze alloys available

Operating Conditions

dry	non suitable
oiled	good
greased	good
water	non suitable
process fluid	non suitable

Availability

Ex Stock

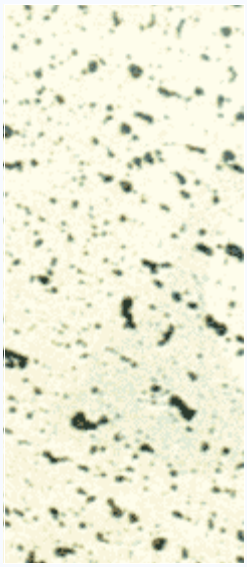
- Cylindrical bushes in inch sizes from 3/8" up to 2 1/2"

To order

- non-standard parts

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed U	m/s	-
Maximum PU factor	N/mm² * m/s = W/mm²	-
Coefficient of friction f	–	-
Grease lubrication		
Maximum sliding speed U	m/s	2.5
Maximum PU factor	N/mm² * m/s = W/mm²	2.8
Coefficient of friction f	–	0.09-0.15
General		
Maximum temperature T_{max}	°C	+140
Minimum temperature T_{min}	°C	-40
Maximum load P static	N/mm²	200
Maximum load P dynamic	N/mm²	100
Shaft surface finish Ra	µm	0.2-0.8
Shaft hardness	HB	>350
Shaft hardness for longer service life	HB	-

Microsection



CuSn5Pb10