

LB-09G Bronze Wrapped Bearings with Graphite



Structure

These are similar to the LB-090 range, except there are solid lubricants embedded into the diamond shaped lubrication indents on the bearing surface, which provide good lubrication conditions at the start up stage, even with a lack of oil. It can be used in construction machinery, gear boxes, automotive clutch parts etc.

Chemical Compositions

Material type	Cu%	Sn%	P%	Pb%	Zn%
LB-09G	91.3	8.5	0.2	/	/

Tech. Data

Max. load	Static	120N/mm ²	Elongation	40%
	Dynamic	40N/mm ²		Temp.
Max. speed (Lubrication)		2.5m/s	Friction coefficient	0.05~0.25
Max. PV		2.8N/mm ² *m/s	Thermal conductivity	58W(m*k) ⁻¹
Tensile strength		450N/mm ²	Coef. of thermal expansion	18.5*10 ⁻⁶ *K ⁻¹
Hardness		HB>110		

Feature

1. Easy of fitting and lubrication
 2. High load capacity
 3. Excellent wear resistance with lower friction
 4. High level thermal conductivity
 5. Minimum overall dimensions
 6. Chemical resistance
 7. Can work under dry/marginal lubrication for short period, lower friction factor at initial moving
- Initial pre-lubrication at assembly is required...

Typical Applications

This type of bushing is widely applied in hoisting machines and other construction machines, automobiles, tractors, trucks, machines tools and some mineral engines.

Available

- Cylindrical Bushes
- Thrust Washers
- Non-standard parts as design

LB-09G supplied by customer ordering, the tolerance is according to LB-090 standard dimension.