SKF Bearing Grease

High load, high temperature, high viscosity bearing grease

LGHB 2

SKF LGHB 2 is a high viscosity, mineral oil based grease, using calcium sulphonate complex thickener. Formulated to withstand high temperatures and extreme loads, it is suitable for a wide range of applications, especially in the cement, mining and metals segments. It also has very good pumpability properties.

- Excellent load capacity, anti-oxidation and corrosion protection even with large water ingress
- Withstands peak temperatures of 200 °C *(390 °F)*

Typical applications

- Steel on steel plain bearings
- Pulp and paper making machines
- Asphalt vibrating screens
- Continuous casting machines
- Sealed spherical roller bearings operating up to 150 °C *(300 °F)*
- Work roll bearings in steel industry
- Mast rollers of fork lift trucks

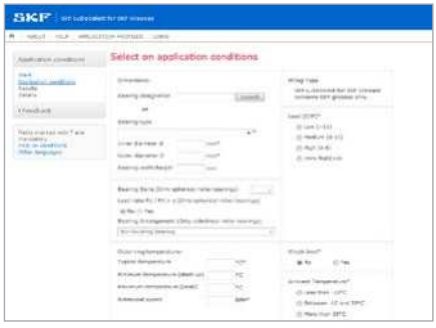
Available pack sizes

Packsize	Designation	Packsize	Designation
420 ml cartridge	LGHB 2/0.4	**Electro-mechanical lubricators**	
5 kg can	LGHB 2/5	TLSD series 125 ml	TLSD 125/HB2
18 kg pail	LGHB 2/18	TLSD series 125 ml refill	LGHB 2/SD125
50 kg drum	LGHB 2/50	TLSD series 250 ml	TLSD 250/HB2
180 kg drum	LGHB 2/180	TLSD series 250 ml refill	LGHB 2/SD250
Gas driven lubricators		**Electro-mechanical lubricant dispensers**	
LAGD series 60 ml	LAGD 60/HB2	TLMR 101 series 380 ml refill (incl. battery)	LGHB 2/MR380B
LAGD series 125 ml	LAGD 125/HB2	TLMR 201 series 380 ml refill	LGHB 2/MR380

Technical data

Designation	LGHB 2/(pack size)
DIN 51825 code	KP2N-20
NLGI consistency class	2
Thickener	Complex calcium sulphonate
Colour	Brown
Base oil type	Mineral
Operating temperature range	–20 to +150 °C *(–5 to +300 °F)*
Dropping point DIN ISO 2176	>220 °C *(>430 °F)*
Base oil viscosity	
40 °C, mm^2/s	425
100 °C, mm^2/s	27,5
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	–20 to +50 max.
Mechanical stability	
Roll stability, 72 hrs at 100 °C, 10^{-1} mm	–20 to +50 max.
V2F test	'M'
Corrosion protection	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0
– salt water test (0.5% NaCl)	0–0
Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	1 max.
Oil separation	
DIN 51 817, 7 days at 40 °C, static, %	1–3 at 60 °C *(140 °F)*
Lubrication ability	
R2F, running test B at 120 °C	Pass at 140 °C *(285 °F)*
Copper corrosion	
DIN 51 811	2 max. at 150 °C *(300 °F)*
Rolling bearing grease life	
R0F test	
L_{50} life at 10 000 r/min., hrs	>1 000 at 130 °C *(265 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	2 max.
4–ball test, welding load DIN 51350/4, N	4 000 min.
Shelf life	5 years

These characteristics represent typical values.



Advanced tool for grease selection and relubrication calculation

LubeSelect for SKF greases

Selecting a suitable grease for a particular bearing is a crucial step if the bearing is to meet design expectations in its application. SKF knowledge about bearing lubrication has been encapsulated into a computer program that can be consulted at skf.com/lubeselect

LubeSelect for SKF greases provides you a user friendly tool to select the right grease and suggest frequency and quantity, while taking into account the particular conditions of your application. General guidelines for typical greases for different applications are also available.

Scan or click the QR code, or go to skf.com/lubeselect

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PUB MP/P8 12050/3 EN · November 2022

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