

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		LGHB 2/18
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	SKF Bearing Great
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	O for Research Law
Gas driven lubricators		Electro-mechanical lubricant		
LAGD series 60 ml	LAGD 60/HB2	dispensers		
LAGD series 125 ml	LAGD 125/HB2	TLMR 101 series 380 ml refill (incl. battery)	LGHB 2/MR380B	
		TLMR 201 series 380 ml refill	LGHB 2/MR380	Y Y Y

Technical data				
Designation	LGHB 2/(pack size)			
DIN 51825 code	KP2N-20	Corrosion protection		
NLGI consistency class	2	Emcor: – standard ISO 11007 – water washout test	0–0 0–0	
Thickener	Complex calcium sulphonate	– salt water test (0.5% NaCl) Water resistance	0-0	
Colour	Brown	DIN 51 807/1,		
Base oil type	Mineral	3 hrs at 90 °C	1 max.	
Operating temperature range	–20 to +150 °C (–5 to +300 °F)	Oil separation DIN 51 817,		
Dropping point DIN ISO 2176	>220 °C (>430 °F)	7 days at 40 °C, static, %	1–3 at 60 °C (140 °F)	
Base oil viscosity 40 °C, mm²/s 100 °C, mm²/s	425 27,5	Lubrication ability R2F, running test B at 120 °C	Pass at 140 °C (285 °F)	
Penetration DIN ISO 2137 60 strokes, 10-1 mm	265-295	Copper corrosion DIN 51 811	2 max. at 150 °C ( <i>300 °F</i> )	
100 000 strokes, 10 <sup>-1</sup> mm	–20 to +50 max.	Rolling bearing grease life		
Mechanical stability	–20 to +50 max.	$L_{50}$ life at 10 000 r/min., hrs	>1 000 at 130 °C (265 °F)	
Roll stability, 72 hrs at 100 °C, 10-1 mm V2F test	–20 to +50 max. 'M'	EP performance Wear scar DIN 51350/5, 1 400 N, mm 4–ball test, welding load DIN 51350/4, N	2 max. 4 000 min.	
These characteristics represent typical values.		Shelf life	5 years	

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Application conditions	Select on application of	and bons	
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### 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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