

LGHB 2

SKF high load, high temperature, high viscosity bearing grease

LGHB 2 is a premium quality, high viscosity, mineral oil based grease using the latest complex calcium, sulphonate soap technology. This grease contains no additives and the extreme pressure characteristics are created within the soap structure.

- Excellent anti-oxidation and anti-corrosion properties
- Good EP performance in applications running at high loads

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 (302 °F)
- Withstands peak temperatures of 200 °C (392 °F)
- Work roll bearings in steel industry
- Mast rollers of fork lift trucks

Bearing operating conditions

Temperature	Medium to high
Speed	Very low to medium
Load	High to very high
Vertical shaft	○
Fast outer ring rotation	+
Oscillating movements	+
Severe vibrations	+
Shock load or frequent start-up	+
Low noise	—
Low friction	—
Rust inhibiting properties	+
+ = Recommended ○ = Suitable — = Not suitable	

Available pack sizes LGHB 2

SYSTEM 24	420 ml cartridge	5 kg can
18 kg can	50 kg drum	180 kg drum



Re-lubrication



Technical data

Designations	LGHB 2		
DIN 51825 code	KP2N-20	Water resistance	DIN 51 807/1, 3 hrs at 90 °C
NLGI consistency class	2		1 max.
Soap type	Complex calcium sulphonate	Oil separation	DIN 51 817, 7 days at 40 °C, static, %
Colour	Brown		1 - 3 (at 60 °C)
Base oil type	Mineral	Lubrication ability	SKF R2F, running test B
Operating temperature range, °C (°F)	-20 to 150 (-4 to 300)		Pass at 140 °C (284 °F)
Dropping point DIN ISO 2176, °C (°F)	>220 (>428)	Copper corrosion	DIN 51 811, 100 °C
Base oil viscosity:			2 max. (150 °C/300 °F)
40 °C, mm ² /s	400 - 450	Rolling bearing grease life	SKF R0F test L50 life at 10 000 rpm, hrs
100 °C, mm ² /s	26,5		> 1000 at 130 °C (266 °F)
Penetration DIN ISO 2137:		EP performance	
60 strokes, 10 ⁻¹ mm	265 - 295	Wear scar DIN 51350/5, 1 400 N, mm	0,86*
100 000 strokes, 10 ⁻¹ mm	-20 - +50 (325 max.)	4-ball test, welding load DIN 51350/4	4 800 N*
Mechanical stability:		Fretting corrosion	ASTM D4170 (mg)
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	-		0 *
Roll stability, 72 hrs at 100 °C, 10 ⁻¹ mm	-20 - +50 change	Designation	LGHB 2/(pack size)
SKF V2F test	'M'		
Corrosion protection:			
SKF Emscor			
- standard ISO 11007	0 - 0		
- water washout test	0 - 0		
- salt water test (100% seawater)	0 - 0*		

* Typical value

© SKF is a registered trademark of the SKF Group
© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

MP/PDS LGHB2 EN · October 2009

www.mapro.skf.com · skf.com/lubrication

