

LGHP 2

SKF high performance, high temperature bearing grease

LGHP 2 is premium quality mineral oil based grease, using a modern polyurea (di-urea) thickener. It is suitable for ball (and roller) bearings required to run extremely quiet, operating at a wide temperature range from $-40\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$) up to $150\text{ }^{\circ}\text{C}$ ($302\text{ }^{\circ}\text{F}$), at medium to high speeds.

- Extremely long life at high temperature
- Wide temperature range
- Excellent corrosion protection
- High thermal stability
- Good low temperature start-up performance
- Compatibility with common Polyurea greases
- Compatibility with lithium complex thickened greases
- Low noise characteristics
- Very good mechanical stability

Typical applications:

- Electric motors: Small, medium and large
- Industrial fans, including high speed fans
- Water pumps
- Rolling bearings in textile, paper processing and drying machines
- Applications with high speed ball bearings operating at medium and high temperatures
- Clutch release bearings
- Vertical shaft applications
- Kiln trucks and rollers

Bearing operating conditions

Temperature	Medium to high
Speed	Medium to high
Load	Low to medium
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 LGHP 2

SYSTEM 24	420 ml cartridge	1 kg can	5 kg can
18 kg can	50 kg drum	180 kg drum	



Re-lubrication



Technical data

Designations	LGHP 2		
DIN 51825 code	K2N-40	Water resistance	
NLGI consistency class	2-3	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Soap type	Di-urea complex	Oil separation	
Colour	Blue	DIN 51 817, 7 days at 40 °C, static, %	1 - 5
Base oil type	Mineral	Lubrication ability	
Operating temperature range, °C (°F)	-40 to 150 (-40 to 300)	SKF R2F, running test B at 120 °C	Pass
Dropping point DIN ISO 2176, °C (°F)	240 min. (464 min.)	Copper corrosion	
Base oil viscosity:		DIN 51 811, 110 °C	1 max.
40 °C, mm ² /s	96	Rolling bearing grease life	
100 °C, mm ² /s	10,5	SKF R0F test L50 life at 10 000 rpm, hrs	1 000 min. at 150 °C (302 °F)
Penetration DIN ISO 2137:		EP performance	
60 strokes, 10 ⁻¹ mm	245 - 275	Wear scar DIN 51350/5, 1 400 N, mm	-
100 000 strokes, 10 ⁻¹ mm	365 max.	4-ball test, welding load DIN 51350/4	-
Mechanical stability:		Fretting corrosion	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	365 max.	ASTM D4170 (mg)	7 *
SKF V2F test	-	Designation	LGHP 2/(pack size)
Corrosion protection:			
SKF Emcor:			
- 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 LGHP2 EN • October 2009

www.mapro.skf.com • skf.com/lubrication

