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 °C (–40 °F) up to 150 °C (302 °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
- Vibrating applications

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

Technical data

Designations	**LGHP 2**
DIN 51825 code	K2N-40
NLGI consistency class	2-3
Soap type	Di-urea complex
Colour	Blue
Base oil type	Mineral
Operating temperature range, °C (°F)	-40 to 150 (-40 to 300)
Dropping point DIN ISO 2176, °C (°F)	240 min. (464 min.)
Base oil viscosity:	
40 °C, mm2/s	96
100 °C, mm2/s	10,5
Penetration DIN ISO 2137:	
60 strokes, 10^{-1} mm	245 - 275
100 000 strokes, 10^{-1} mm	365 max.
Mechanical stability:	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	365 max.
SKF V2F test	-
Corrosion protection:	
SKF Emcor:	
- standard ISO 11007	0 - 0
- water washout test	0 - 0
- salt water test (100% seawater)	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 - 5
Lubrication ability	
SKF R2F, running test B at 120 °C	Pass
Copper corrosion	
DIN 51 811, 110 °C	1 max.
Rolling bearing grease life	
SKF R0F test L50 life at 10 000 rpm, hrs	1 000 min. at 150 °C (302 °F)
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	-
4-ball test, welding load DIN 51350/4	-
Fretting corrosion	
ASTM D4170 (mg)	7 *
Designation	LGHP 2/(pack size)

** Typical value*

SKF Maintenance Products

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