



Re-lubrication

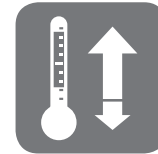


# SKF Product Data Sheet

## 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
- 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

<b>Designations</b>	LGHP 2		
<b>DIN 51825 code</b>	K2N-40	<b>Water resistance</b>	
<b>NLGI consistency class</b>	2-3	DIN 51 807/1, 3 hrs at $90\text{ }^{\circ}\text{C}$	1 max.
<b>Soap type</b>	Di-urea complex	<b>Oil separation</b>	
<b>Colour</b>	Blue	DIN 51 817, 7 days at $40\text{ }^{\circ}\text{C}$ , static, %	1 - 5
<b>Base oil type</b>	Mineral	<b>Lubrication ability</b>	
<b>Operating temperature range, <math>^{\circ}\text{C}</math> (<math>^{\circ}\text{F}</math>)</b>	$-40$ to $150$ ( $-40$ to $300$ )	SKF R2F, running test B at $120\text{ }^{\circ}\text{C}$	Pass
<b>Dropping point DIN ISO 2176, <math>^{\circ}\text{C}</math> (<math>^{\circ}\text{F}</math>)</b>	240 min. (464 min.)	<b>Copper corrosion</b>	
<b>Base oil viscosity:</b>		DIN 51 811, $110\text{ }^{\circ}\text{C}$	1 max.
40 $^{\circ}\text{C}$ , mm <sup>2</sup> /s	96	<b>Rolling bearing grease life</b>	
100 $^{\circ}\text{C}$ , mm <sup>2</sup> /s	10,5	SKF R0F test L50 life at 10 000 rpm, hrs	1 000 min. at $150\text{ }^{\circ}\text{C}$ ( $302\text{ }^{\circ}\text{F}$ )
<b>Penetration DIN ISO 2137:</b>		<b>EP performance</b>	
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	-
<b>Mechanical stability:</b>		<b>Fretting corrosion</b>	
Roll stability, 50 hrs at $80\text{ }^{\circ}\text{C}$ , $10^{-1}$ mm	365 max.	ASTM D4170 (mg)	7 *
SKF V2F test	-	<b>Designation</b>	LGHP 2/(pack size)
<b>Corrosion protection:</b>			
SKF Emcor:			
- standard ISO 11007	0 - 0		
- water washout test	0 - 0		
- salt water test (100% seawater)	0 - 0		

\* Typical value

#### SKF Maintenance Products

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