## LGHP 2

## SKF High Performance, High Temperature Bearing Grease

SKF LGHP 2 is a premium quality mineral oil based grease, using a modern Polyurea (di-urea) thickener. It is suitable for electric motors and similar applications.

- · Extremely long life at high temperatures
- Wide temperature range
- Excellent corrosion protection
- · High thermal and mechanical stability
- Good start-up performance at low temperatures
- Compatibility with common polyurea and lithium thickened greases
- Low noise properties

## 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 medium and high speed ball (and roller) bearings operating at medium and high temperatures
- Clutch release bearings
- Vertical shaft applications
- Kiln trucks and rollers







## Technical data Designation

DIN 51825 code         K2N-40           NLGI consistency class         2-3           Soap type         Di-urea           Colour         Blue           Base oil type         Mineral           Operating temperature range         -40 to +150 °C (-40 to +300 °F)           Dropping point DIN ISO 2176         >240 °C (>465 °F)           Base oil viscosity         96 10,5           40 °C, mm²/s         96 10,5           Penetration DIN ISO 2137         60 strokes, 10-1 mm         245-275 365 max.           Mechanical stability         365 max.           Mechanical stability, 50 hrs at 80 °C, 10-1 mm         365 max.           Corrosion protection         Emcor: - standard ISO 11007 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0	Designation	LGHP 2/(pack size)
Soap type         Di–urea           Colour         Blue           Base oil type         Mineral           Operating temperature range         −40 to +150 °C (−40 to +300 °F)           Dropping point DIN ISO 2176         >240 °C (>465 °F)           Base oil viscosity 40 °C, mm²/s         96 10,5           100 °C, mm²/s         10,5           Penetration DIN ISO 2137 60 strokes, 10-1 mm 365 max.         245–275 365 max.           Mechanical stability Roll stability, 50 hrs at 80 °C, 10-1 mm 365 max.         365 max.           Corrosion protection Emcor: – standard ISO 11007 0–0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	DIN 51825 code	K2N-40
Colour Blue  Base oil type Mineral  Operating temperature range -40 to +150 °C (-40 to +300 °F)  Dropping point DIN ISO 2176 >240 °C (>465 °F)  Base oil viscosity 40 °C, mm²/s 96 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.  Corrosion protection  Emcor: – standard ISO 11007 0-0 - water washout test 0-0	NLGI consistency class	2–3
Base oil type  Operating temperature range  -40 to +150 °C (-40 to +300 °F)  Dropping point DIN ISO 2176  Base oil viscosity 40 °C, mm²/s 100 °C, mm²/s 100 °C, mm²/s 100 oc, mm²/s 245–275 100 000 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 265 max.  Corrosion protection Emcor: – standard ISO 11007 – water washout test  O-0  -0  -0  -0  -0  -0  -0  -0  -0  -	Soap type	Di–urea
Operating temperature range  -40 to +150 °C (-40 to +300 °F)  Dropping point DIN ISO 2176  >240 °C (>465 °F)  Base oil viscosity  40 °C, mm²/s 96 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.  Corrosion protection Emcor: – standard ISO 11007 0-0 - water washout test 0-0	Colour	Blue
(-40 to +300 °F)  Dropping point DIN ISO 2176 >240 °C (>465 °F)  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.  Corrosion protection Emcor: − standard ISO 11007 0−0 − water washout test 0−0	Base oil type	Mineral
Base oil viscosity  40 °C, mm²/s  100 °C, mm²/s  96  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.  Corrosion protection  Emcor: – standard ISO 11007  – water washout test  0-0	Operating temperature range	10 10 1200 0
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.  Corrosion protection Emcor: – standard ISO 11007 0–0 – water washout test 0–0	Dropping point DIN ISO 2176	>240 °C (>465 °F)
60 strokes, 10 <sup>-1</sup> mm 245–275 100 000 strokes, 10 <sup>-1</sup> mm 365 max.  Mechanical stability Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm 365 max.  Corrosion protection Emcor: – standard ISO 11007 0–0 – water washout test 0–0	40 °C, mm²/s	, •
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm 365 max.  Corrosion protection Emcor: – standard ISO 11007 0–0 – water washout test 0–0	60 strokes, 10 <sup>-1</sup> mm	
Emcor: – standard ISO 11007 0–0 – water washout test 0–0		365 max.
	Emcor: – standard ISO 11007 – water washout test	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 R2F, running test B at 120 °C	Pass
Copper corrosion DIN 51 811, 110 °C	1 max. at 150 °C (300 °F)
Rolling bearing grease life ROF test L <sub>50</sub> life at 10 000 r/min., hrs	1 000 min. at 150 °C (3 <i>00 °F</i> )
Fretting corrosion ASTM D4170 (mg)	7*
Available pack sizes	420 ml cartridge 1, 5, 18, 50, 180 kg SKF SYSTEM 24 (LAGD/TLSD), TLMR

<sup>\*</sup> Typical value