



# LGHP 2/50 High performance, high temperature bearing grease

## High performance, high temperature bearing grease

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

## Overview

## Dimensions

Product weight	50 kg
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## Performance

Suitable for High load applications	–
Suitable for Vertical shaft applications	O
Suitable for applications with Oscilating movements	+
Suitable for applications with Severe vibrations	--
Suitable for applications that require Rust protection	++
Suitable for applications that require Water resistance	++
Suitable for applications that require Frequent start-up	O
Speed (max.) n x dm (x 1000)	300
Operating temperature range	-40 – 150 °C
Dropping point (min) ISO 2176	240 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 <sup>1</sup> mm)	245 - 275
Penetration DIN ISO 2137, Prolonged	365 max.

(max.), 100 000 strokes, 10<sup>1</sup>mm

Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 <sup>1</sup> mm	365 max.
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	0-0
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	3 max.
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1 max. at 150°C
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 150°C

## Properties

DIN 51825 code	K2N-40
NLGI consistency class	2-3
Thickener	Polyurea
Colour	Blue
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	96 mm <sup>2</sup> /s
Base oil viscosity DIN 51562 at 100 °C	10.5 mm <sup>2</sup> /s
Shelf life	5 year
Packsize	50 kg drum
Available for single point lubrication	no

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