



# LGHB 2/50 High load, high temperature, high viscosity bearing grease

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A high viscosity, mineral oil based grease, using the latest complex calcium-sulphonate soap technology. Formulated to withstand high temperatures and extreme loads, it is suitable for a wide range of applications, especially in cement, mining and metal segments. This grease contains no additives and the extreme pressure properties arise from the soap structure.

- Excellent load capacity, anti-oxidation and corrosion protection even with large water ingress
- Withstands high peak temperatures

## Overview

## Dimensions

Product weight	50 kg
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## Performance

Recommended applications	Plain bearings Conveyors with high load capacity Applications with low speed
Suitable for High load applications	++
Suitable for Vertical shaft applications	0
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	++

Speed (max.) n x dm (x 1000)	300
Operating temperature range	-20 – 150 °C
Dropping point (min) ISO 2176	220 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 <sup>1</sup> mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 <sup>1</sup> mm	-20 to +50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 <sup>1</sup> mm	-20 to +50
Mechanical stability, V2F test, 144 hrs	M
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, %	1-3 at 60°C
Lubrication ability, R2F test B at 120°C	Pass at 140°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max. at 150°C
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 130°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	2 mm

EP performance - 4 ball - Weld load (min.) DIN 51350/4	4 000 N
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## Properties

DIN 51825 code	KP2N-20
NLGI consistency class	2
Thickener	Calcium sulphonate complex
Colour	Brown
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	425 mm <sup>2</sup> /s
Base oil viscosity DIN 51562 at 100 °C	27.5 mm <sup>2</sup> /s
Shelf life	5 year
Packsize	50 kg drum
Available for single point lubrication	yes

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