

# LGHB 2/180



## Overview

### High load, high temperature, high viscosity bearing grease

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

## Performance

Speed (max.) n x dm (x 1000)	300
Dropping point (min) ISO 2176	220 °C
Base oil viscosity DIN 51562 at 40 °C	425 mm
Base oil viscosity DIN 51562 at 100 °C	27.5 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	-20 to +50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	-20 to +50
Mechanical stability, V2F test, 144 hrs	M
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, 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	2 mm

scar (max.) DIN 51350/5, 1400N

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

Low temperature torque, Start/Running, 350/100 at  
 mNm -20°C

Product weight 180 kg

## Properties

Recommended applications	Plain bearings;Conveyors;Applications with high loads and low speed
DIN 51825 code	KP2N-20
NLGI consistency class	2
Thickener	Calcium sulphonate complex
Colour	Brown
Base oil type	Mineral
Operating temperature range	-20 to +150 °C
Shelf life	5 year

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