



SKF LGHB 2/180

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.

Technical specifications

Dimensions	
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0

Performance	
Suitable for High load applications	●●●●●
Suitable for Vertical shaft applications	●●●○○
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	●●●●●
Operating temperature range	Array °C
Load Range	Low - Very High C/P >0
Speed Range	Very low - Medium
Dropping point (min) ISO 2176	300 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	-20 to +50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ⁻¹ mm	-20 to +50
Mechanical stability, V2F test, 144 hrs	M
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 scar (max.) DIN 51350/5, 1400N	2 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	4000 N

Properties	
Recommended applications	Plain bearings;Conveyors;Applications with high loads and low speed
Category	Bearing grease
Lubricant	LGHB 2
NLGI consistency class	2
Base oil viscosity DIN 51562 at 40 °C	425 mm²/s
Base oil viscosity DIN 51562 at 100 °C	27.5 mm²/s
Biodegradable	No
DIN 51825 code	KP2N-20
Thickener	Calcium sulphonate complex
Colour	Brown
Base oil type	Mineral
Shelf life	5 year
Packsize	180 kg drum
Available for single point lubrication	yes

Logistics	
Product net weight	180 kg
eClass code	23-06-01-01
UNSPSC code	15121902