



Re-lubrication



# SKF Product Data Sheet

## LGHB 2

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

LGHB 2 is a premium quality, high viscosity, mineral oil based grease using the latest complex calcium, sulphate soap technology. This grease contains no additives and the extreme pressure characteristics are created within the soap structure.

- Excellent anti-oxidation and anti-corrosion properties
- Good EP performance in applications running at high loads

#### Typical applications:

- Steel on steel plain bearings
- Pulp and paper making machines
- Asphalt vibrating screens
- Continuous casting machines
- Sealed spherical roller bearings operating up to 150 °C (302 °F)
- Withstands peak temperatures of 200 °C (392 °F)
- Work roll bearings in steel industry
- Mast rollers of fork lift trucks



#### Bearing operating conditions

Temperature	Medium to high
Speed	Very low to medium
Load	High to very high
Vertical shaft	○
Fast outer ring rotation	+
Oscillating movements	+
Severe vibrations	+
Shock load or frequent start-up	+
Low noise	-
Low friction	-
Rust inhibiting properties	+

+ = Recommended    ○ = Suitable    - = Not suitable

#### Available pack sizes LGHB 2

SYSTEM 24	420 ml cartridge	5 kg can
18 kg can	50 kg drum	180 kg drum

#### Technical data

Designations	LGHB 2	
DIN 51825 code	KP2N-20	
NLGI consistency class	2	
Soap type	Complex calcium sulphate	
Colour	Brown	
Base oil type	Mineral	
Operating temperature range, °C (°F)	-20 to 150 (-4 to 300)	
Dropping point DIN ISO 2176, °C (°F)	>220 (>428)	
Base oil viscosity:		
40 °C, mm <sup>2</sup> /s	400 - 450	
100 °C, mm <sup>2</sup> /s	26,5	
Penetration DIN ISO 2137:		
60 strokes, 10 <sup>-1</sup> mm	265 - 295	
100 000 strokes, 10 <sup>-1</sup> mm	-20 - +50 (325 max.)	
Mechanical stability:		
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	-	
Roll stability, 72 hrs at 100 °C, 10 <sup>-1</sup> mm	-20 - +50 change	
SKF V2F test	'M'	
Corrosion protection:		
SKF Emcor		
- standard ISO 11007	0 - 0	
- water washout test	0 - 0	
- salt water test (100% seawater)	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 - 3 (at 60 °C)	
Lubrication ability	SKF R2F, running test B    Pass at 140 °C (284 °F)	
Copper corrosion	DIN 51 811, 100 °C    2 max. (150 °C/300 °F)	
Rolling bearing grease life	SKF R0F test L50 life at 10 000 rpm, hrs    > 1000 at 130 °C (266 °F)	
EP performance	Wear scar DIN 51350/5, 1 400 N, mm    0,86*	
	4-ball test, welding load DIN 51350/4    4 800 N*	
Fretting corrosion	ASTM D4170 (mg)    0 *	
Designation	LGHB 2/(pack size)	

\* Typical value

#### SKF Maintenance Products

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