



### Description

SKF grease LGHB 2 is a high performance grease with a complex calcium sulphonate base designed for very severe operating conditions. SKF grease LGHB 2 can be used from -20 °C (-4 °F) up to 150 °C (300 °F), and up to 200 °C (390 °F) for short periods, still providing good lubrication. Within this temperature range it has a high oxidation stability.

This grease is used in the pre-filling of SKF bearings under the product designation GEM.

### Application

SKF grease LGHB 2 is suitable for the following 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 (300 °F)
- Withstands peak temperatures of 200 °C (392 °F)

### Benefits

Excellent mechanical stability ensures LGHB 2 is not ejected or loses its consistency in roller bearings. The complex calcium sulphonate structure ensures excellent anti-oxidation and anti-corrosion properties even in the presence of water.



### Available pack sizes

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

Designation	LGHB 2/(pack size)	
DIN 51825 code	KP2N-20	<a href="#">i</a>
NLGI consistency class	2	<a href="#">i</a>
Soap type	complex calcium sulphonate	<a href="#">i</a>
Colour	brown	<a href="#">i</a>
Base oil type	mineral	<a href="#">i</a>
Operating temperature range, °C (°F)	-20 to 150 (-4 to 300)	<a href="#">i</a>
Dropping point DIN ISO 2176, °C (°F)	>220 (428)	<a href="#">i</a>
<b>Base oil viscosity</b>		<a href="#">i</a>
40 °C, mm <sup>2</sup> /s	400-450	
100 °C, mm <sup>2</sup> /s	26,5	
<b>Penetration DIN ISO 2137</b>		<a href="#">i</a>
60 strokes, 10 <sup>-1</sup> mm	265-295	
100 000 strokes, 10 <sup>-1</sup> mm	-20 - +50 (325 max.)	
<b>Mechanical stability</b>		<a href="#">i</a>
Roll stability, 50 hours at 80 °C, change 10 <sup>-1</sup> mm	-	
Roll stability, 72 hours at 100 °C, change 10 <sup>-1</sup> mm	-20 - +50 change	
SKF V2F test	'M'	
<b>Corrosion protection</b>		<a href="#">i</a>
SKF Emcor:	Standard ISO 11007	0 - 0
	Water washout test	0 - 0
	Salt water test (100% seawater)	0 - 0
<b>Water resistance</b>		<a href="#">i</a>
DIN 51 807/1, 3 hrs at 90 °C	1 max.	
<b>Oil separation</b>		<a href="#">i</a>
DIN 51 817, 7 days at 40 °C, static, %	1 - 3	
<b>Lubricating ability</b>		<a href="#">i</a>
SKF R2F, running test B	pass at 140 °C (284 °F)	
<b>Copper corrosion</b>		<a href="#">i</a>
DIN 51 811, 100 °C	2 max. (150 °C/300 °F)	
<b>Rolling bearing grease life</b>		<a href="#">i</a>
SKF ROF test L50 life at 10 000 rpm, hrs	>1 000 at 130 °C (266 °F)	
<b>EP performance</b>		<a href="#">i</a>
Wear scar, DIN 51350/5, 1 400 N, mm	0,8	
4 ball test, welding load, DIN 51350/4	3 000 min.	

