



Re-lubrication



# SKF Product Data Sheet

## LGFB 2

### SKF food compatible, high load bearing grease

LGFB 2 is PAO/Ester based bearing grease using an aluminum complex soap. LGFB 2 exhibits excellent lubrication ability at high loads and is NSF\* H1\*\* certified for use where incidental contact with food cannot be excluded.



- NSF H1 certified
- Resistant to vibration
- High resistance to oxidation
- Shock loads suitability
- Excellent corrosion protection
- High water resistance

#### Typical applications:

- Any bearing operating under high loads, severe vibrations or shock loads
- Mixers
- Saws
- Slicing machines
- Fillers

\* NSF – National Sanitation Foundation

\*\* H1 – Incidental contact with Food

#### Bearing operating conditions

Temperature	Medium
Speed	Medium
Load	Medium to 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 LGFB 2

SYSTEM 24		
420 ml cartridge	1 kg can	
18 kg can		180 kg drum

#### Technical data

Designation	LGFB 2		
DIN 51825 code	KPE/HC2K-20L	<b>Water resistance</b> DIN 51 807/1, 3 hrs at 90 °C	1 max.
NLGI consistency class	2	<b>Oil separation</b> DIN 51 817, 7 days at 40 °C, static, %	1-5 max.
Soap type	aluminium complex	<b>Lubricating ability</b> SKF R2F, running test B at 120 °C	-
Colour	Beige	<b>Copper corrosion</b> DIN 51 811, 100 °C	2 max.
Base oil type	PAO/Ester	<b>Rolling bearing grease life</b> SKF R0F test L50 life at 10 000 rpm, hrs	1000 min. at 110 °C (230 °F)*
Operating temperature range, °C (°F)	-25 to 120 (-13 to 248)	<b>EP performance</b> Wear scar, DIN 51350/5, 1 000 N, mm 4 ball test, welding load, DIN 51350/4	1.6 max. 1800 min.
Dropping point DIN ISO 2176, °C (°F)	220 min. (428 min.)	<b>Fretting corrosion</b> ASTM D4170 (mg)	-
Base oil viscosity 40 °C, mm <sup>2</sup> /s	266	<b>Shelf life</b>	2 years
100 °C, mm <sup>2</sup> /s	29	<b>Food compatibility</b> NSF certified	H1 (reg. nr: 137587)
Penetration DIN ISO 2137 60 strokes, 10 <sup>-1</sup> mm	265 - 295	<b>Designation</b>	LGFB 2/(pack size)
100 000 strokes, 10 <sup>-1</sup> mm	+50 max.	* Typical value	
<b>Mechanical stability</b> Roll stability, 2 hours at 70 °C, change 10 <sup>-1</sup> mm SKF V2F test	+29* -		
<b>Corrosion protection</b> SKF Emcor: Standard ISO 11007	0-0		
Water washout test	-		
Salt water test (100% seawater)	-		

#### SKF Maintenance Products

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