



Re-lubrication



# SKF Product Data Sheet

## LGFP 2

### SKF food compatible bearing grease

LGFP 2 is clean, non-toxic bearing grease, which is based on medical white oil using an aluminium complex soap. LGFP 2 is NSF\* H1\*\* certified for use where incidental contact with food cannot be excluded.



- NSF H1 certified
- High resistance to water washout making it suitable for applications subject to frequent wash down
- Excellent grease life
- Excellent corrosion resistance
- An essentially neutral pH value

#### Typical applications:

- Bakery equipment
- Food processing equipment
- Multi-pack cassette bearings
- Wrapping machines
- Conveyor bearings
- Bottling machines

\* NSF – National Sanitation Foundation

\*\* H1 – Incidental Contact with Food

#### Bearing operating conditions

Temperature	Medium
Speed	Medium
Load	Low to Medium
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 LGFP 2

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

#### Technical data

Designations	LGFP 2	
DIN 51825 code	K2G-20	
NLGI consistency class	2	
Soap type	Aluminium	
Colour	Transparent	
Base oil type	Medical white oil	
Operating temperature range, °C (°F)	-20 to 110 (-4 to 230)	
Dropping point DIN ISO 2176, °C (°F)	250 min. (482 min.)	
Base oil viscosity:		
40 °C, mm <sup>2</sup> /s	130	
100 °C, mm <sup>2</sup> /s	7,3	
Penetration DIN ISO 2137:		
60 strokes, 10 <sup>-1</sup> mm	265 - 295	
100 000 strokes, 10 <sup>-1</sup> mm	+30 max.	
Mechanical stability:		
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	-	
SKF V2F test	-	
Corrosion protection:		
SKF Emcor:		
- standard ISO 11007	0 - 0	
- water washout test	-	
- salt water test (100% seawater)	-	
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 - 5	
Lubrication ability	SKF R2F, running test B at 120 °C    -	
Copper corrosion	DIN 51 811, 110 °C    -	
Rolling bearing grease life	SKF R0F test L50 life at 10 000 rpm, hrs    1 000 at 110 °C (230 °F)	
EP performance	Wear scar DIN 51350/5, 1 400 N, mm    -	
	4-ball test, welding load DIN 51350/4    1 100 min.	
Fretting corrosion	ASTM D4170 (mg)    -	
Shelf life	2 years	
Food compatibility	NSF certified    H1 (reg. nr: 128004)	
Designation	LGFP 2/(pack size)	

#### SKF Maintenance Products

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