



Re-lubrication



SKF Product Data Sheet

LGEP 2

SKF high load, extreme pressure (EP) bearing grease

LGEP 2 is mineral oil based lithium soap thickened grease with extreme pressure additives. This grease provides good lubrication in operating temperatures ranging from -20 °C (-4 °F) up to 110 °C (230 °F)

- Excellent mechanical stability
- Extremely good corrosion inhibiting properties
- Excellent EP performance

Typical applications:

- Pulp and paper making machines
- Jaw crushers
- Traction motors for rail vehicles
- Dam gates
- Work roll bearings in steel industry
- Heavy machinery, vibrating screens
- Crane wheels, sheaves



Bearing operating conditions

Temperature	Medium
Speed	Low to Medium
Load	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 LGEP 2

420 ml cartridge	1 kg can	5 kg can
18 kg can	50 kg drum	180 kg drum

Technical data

Designation	LGEP 2		
DIN 51825 code	KP2G-20	Water resistance	
NLGI consistency class	2	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Soap type	Lithium	Oil separation	
Colour	Light brown	DIN 51 817, 7 days at 40 °C, static, %	2 - 5
Base oil type	Mineral	Lubrication ability	
Operating temperature range, °C (°F)	-20 to 110 (-4 to 230)	SKF R2F, running test B at 120 °C	Pass
Dropping point DIN ISO 2176, °C (°F)	180 min. (356 min.)	Copper corrosion	
Base oil viscosity:		DIN 51 811, 110 °C	2 max. (100 °C)
40 °C, mm ² /s	200	Rolling bearing grease life	
100 °C, mm ² /s	16	SKF R0F test L50 life at 10 000 rpm, hrs	at 100 °C (212 °F)
Penetration DIN ISO 2137:		EP performance	
60 strokes, 10 ⁻¹ mm	265 - 295	Wear scar DIN 51350/5, 1 400 N, mm	1,4 max
100 000 strokes, 10 ⁻¹ mm	+50 max. (325 max.)	4-ball test, welding load DIN 51350/4	2 800 min.
Mechanical stability:		Fretting corrosion	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	+50 max.	ASTM D4170 (mg)	5,7 *
SKF V2F test	'M'	Designation	LGEP 2/(pack size)
Corrosion protection:		* Typical value	
SKF Emcor:			
standard ISO 11007	0 - 0		
water washout test	0 - 0		
salt water test (100% seawater)	1 - 1*		

SKF Maintenance Products

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