

SKF Bearing Grease

High viscosity bearing grease with solid lubricants

LGEM 2

SKF LGEM 2 is a high viscosity, mineral oil based grease using a lithium soap. Its content of molybdenum disulphide and graphite provides extra protection for harsh applications subjected to high loads, heavy vibrations and slow rotations.

- High oxidation stability
- Molybdenum disulphide and graphite provide lubrication even if the oil film breaks down

Typical applications

- Rolling element bearings running at low speed and very high loads
- Jaw crushers
- Track laying machines
- Lift mast wheels
- Building machines such as mechanical rams, crane arms and crane hooks



Available pack sizes

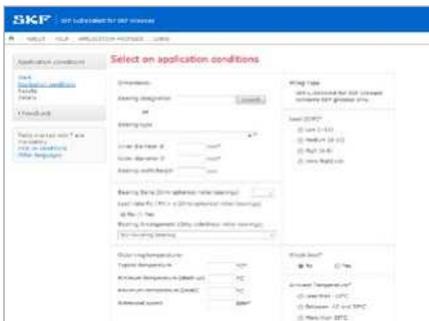
Packsize	Designation	Packsize	Designation
420 ml cartridge	LGEM 2/0.4	Electro-mechanical lubricators	
5 kg can	LGEM 2/5	TLSD series 125 ml	TLSD 125/EM2
18 kg pail	LGEM 2/18	TLSD series 125 ml refill	LGEM 2/SD125
180 kg drum	LGEM 2/180	TLSD series 250 ml	TLSD 250/EM2
Gas driven lubricators		TLSD series 250 ml refill	LGEM 2/SD250
LAGD series 60 ml	LAGD 60/EM2		
LAGD series 125 ml	LAGD 125/EM2		



Technical data

Designation	LGEM 2/(pack size)		
DIN 51825 code	KPF2K-20	Corrosion protection	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Thickener	Lithium/calcium	– water washout test	0–0 ¹⁾
Colour	Black	Water resistance	
Base oil type	Mineral	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Operating temperature range	–20 to +120 °C (–5 to +250 °F)	Oil separation	
Dropping point DIN ISO 2176	>180 °C (>355 °F)	DIN 51 817, 7 days at 40 °C, static, %	1–5
Base oil viscosity		Lubrication ability	
40 °C, mm ² /s	500	R2F, running test B at 120 °C	Pass
100 °C, mm ² /s	32	Copper corrosion	
Penetration DIN ISO 2137		DIN 51 811	2 max. at 100 °C (210 °F)
60 strokes, 10 ⁻¹ mm	265–295	Rolling bearing grease life	
100 000 strokes, 10 ⁻¹ mm	+50 max.	ROF test, L ₅₀ life at 10 000 r/min., hrs	1 000 min. at 100 °C (210 °F)
Mechanical stability		EP performance	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	+50 max.	Wear scar DIN 51350/5, 1 400 N, mm	1,2 max.
V2F test	'M'	4–ball test, welding load DIN 51350/4, N	3 400 min.
		Shelf life	5 years

These characteristics represent typical values.



Advanced tool for grease selection and relubrication calculation

LubeSelect for SKF greases

Selecting a suitable grease for a particular bearing is a crucial step if the bearing is to meet design expectations in its application. SKF knowledge about bearing lubrication has been encapsulated into a computer program that can be consulted at skf.com/lubeselect

LubeSelect for SKF greases provides you a user friendly tool to select the right grease and suggest frequency and quantity, while taking into account the particular conditions of your application. General guidelines for typical greases for different applications are also available.



Scan or click the QR code,
or go to skf.com/lubeselect

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