

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

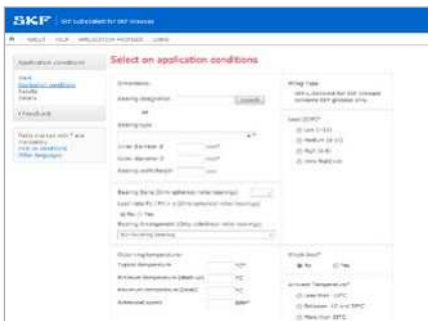
Packsize	Designation	Packsize	Designation
420 ml cartridge	LGEM 2/0.4	Electro-mechanical lubricators	
5 kg can	LGEM 2/5	TLSD series 125 ml	TLSD 125/EM2
18 kg pail	LGEM 2/18	TLSD series 125 ml refill	LGEM 2/SD125
180 kg drum	LGEM 2/180	TLSD series 250 ml	TLSD 250/EM2
Gas driven lubricators		TLSD series 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	<b>Corrosion protection</b>	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Thickener	Lithium/calcium	– water washout test	0–0 <sup>1)</sup>
Colour	Black	<b>Water resistance</b>	
Base oil type	Mineral	DIN 51 807/1,	
Operating temperature range	–20 to +120 °C (–5 to +250 °F)	3 hrs at 90 °C	1 max.
Dropping point DIN ISO 2176	>180 °C (>355 °F)	<b>Oil separation</b>	
Base oil viscosity		DIN 51 817,	
40 °C, mm <sup>2</sup> /s	500	7 days at 40 °C, static, %	1–5
100 °C, mm <sup>2</sup> /s	32	<b>Lubrication ability</b>	
Penetration DIN ISO 2137		R2F, running test B at 120 °C	Pass at 100 °C (210 °F)
60 strokes, 10 <sup>–1</sup> mm	265–295	<b>Copper corrosion</b>	
100 000 strokes, 10 <sup>–1</sup> mm	+50 max.	DIN 51 811	2 max. at 100 °C (210 °F)
<b>Mechanical stability</b>		<b>Rolling bearing grease life</b>	
Roll stability, 50 hrs at 80 °C, 10 <sup>–1</sup> mm	+50 max.	ROF test, L <sub>50</sub> life at 10 000 r/min., hrs	1 000 min. at 100 °C (210 °F)
V2F test	'M'	<b>EP performance</b>	
		Wear scar DIN 51350/5, 1 400 N, mm	1,2 max.
		4–ball test, welding load DIN 51350/4, N	3 400 min.
		<b>Shelf life</b>	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](http://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](http://skf.com/lubeselect)

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