

# LGMT 3

## SKF general purpose industrial and automotive bearing grease

LGMT 3 is mineral oil based lithium soap thickened grease. This premium quality, general purposes grease is suitable for a wide range of industrial and automotive applications.

- Excellent rust inhibiting properties
- High oxidation stability within its recommended temperature range

### Typical applications:

- Bearings >100 mm (3,9 in) shaft size
- Outer bearing ring rotation
- Vertical shaft applications
- Continuous high ambient temperatures >35 °C (95 °F)
- Propeller shafts
- Agricultural equipment
- Car, truck and trailer wheel bearings
- Large electric motors

### 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 LGMT 3

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



Re-lubrication



## Technical data

<b>Designations</b>	<b>LGMT 3</b>		
<b>DIN 51825 code</b>	K3K-30	<b>Water resistance</b>	
<b>NLGI consistency class</b>	3	DIN 51 807/1, 3 hrs at 90 °C	2 max.
<b>Soap type</b>	Lithium	<b>Oil separation</b>	
<b>Colour</b>	Amber	DIN 51 817, 7 days at 40 °C, static, %	1 - 3
<b>Base oil type</b>	Mineral	<b>Lubrication ability</b>	
<b>Operating temperature range, °C (°F)</b>	-30 to 120 (-22 to 250)	SKF R2F, running test B at 120 °C	Pass
<b>Dropping point DIN ISO 2176, °C (°F)</b>	180 min. (356 min.)	<b>Copper corrosion</b>	
<b>Base oil viscosity:</b>		DIN 51 811, 110 °C	2 max.
40 °C, mm <sup>2</sup> /s	120-130	<b>Rolling bearing grease life</b>	
100 °C, mm <sup>2</sup> /s	12	SKF R0F test L50 life at 10 000 rpm, hrs	1000 min. at 130 °C (266 °F)
<b>Penetration DIN ISO 2137:</b>		<b>EP performance</b>	
60 strokes, 10 <sup>-1</sup> mm	220 - 250	Wear scar DIN 51350/5, 1 400 N, mm	-
100 000 strokes, 10 <sup>-1</sup> mm	280 max.	4-ball test, welding load DIN 51350/4	-
<b>Mechanical stability:</b>		<b>Fretting corrosion</b>	
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	295 max.	ASTM D4170 (mg)	-
SKF V2F test	'M'	<b>Designation</b>	LGMT 3/(pack size)
<b>Corrosion protection:</b>		* <i>Typical value</i>	
SKF Emcor:			
- standard ISO 11007	0 - 0		
- water washout test	0 - 0		
- salt water test (100% seawater)	-		

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