



Re-lubrication



# SKF Product Data Sheet

## 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

#### Technical data

<b>Designations</b>	<b>LGMT 3</b>		
DIN 51825 code	K3K-30	<b>Water resistance</b>	
NLGI consistency class	3	DIN 51 807/1, 3 hrs at 90 °C	2 max.
Soap type	Lithium	<b>Oil separation</b>	
Colour	Amber	DIN 51 817, 7 days at 40 °C, static, %	1 - 3
Base oil type	Mineral	<b>Lubrication ability</b>	
Operating temperature range, °C (°F)	-30 to 120 (-22 to 250)	SKF R2F, running test B at 120 °C	Pass
Dropping point DIN ISO 2176, °C (°F)	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>		* Typical value	
SKF Emcor:			
- standard ISO 11007	0 - 0		
- water washout test	0 - 0		
- salt water test (100% seawater)	-		

#### SKF Maintenance Products

© Copyright SKF 2007/01

www.mapro.skf.com  
www.skf.com/mount

In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice. Although care has been taken to ensure the accuracy of this publication, SKF does not assume any liability for errors or omissions.  
© SKF is a registered trademark of the SKF Group

