

# LGLT 2

## SKF low temperature, extremely high speed bearing grease

LGLT 2 is premium quality, fully synthetic oil based grease using lithium soap. Its unique thickener technology and its low viscosity oil (PAO) provide excellent lubrication performances at low temperatures ( $-50\text{ }^{\circ}\text{C}$ ) and extremely high speeds n.dm values of  $1.6 \times 10^6$  can be reached

- Low friction torque
- Low level of power loss
- Quiet running behaviour
- Extremely good oxidation stability and resistance to water

### Typical applications:

- Textile spinning spindles
- Machine tool spindles
- Instruments and control equipment
- Small electric motors used in medical and dental equipment
- In-line skates
- Printing cylinders
- Robots

### Bearing operating conditions

Temperature	Low to medium
Speed	Medium to extremely high
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 LGLT 2

180 g tube	0,9 kg can	25 kg drum
170 kg drum		



Re-lubrication



## Technical data

<b>Designations</b>	<b>LGLT 2</b>		
<b>DIN 51825 code</b>	KP2G-50	<b>Water resistance</b>	
<b>NLGI consistency class</b>	2	DIN 51 807/1, 3 hrs at 90 °C	1 max.
<b>Soap type</b>	Lithium	<b>Oil separation</b>	
<b>Colour</b>	Beige	DIN 51 817, 7 days at 40 °C, static, %	< 4
<b>Base oil type</b>	PAO	<b>Lubrication ability</b>	
<b>Operating temperature range, °C (°F)</b>	-50 to 110 (-58 to 230)	SKF R2F, running test B at 120 °C	-
<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	1 max. (150 °C / 300 °F)
40 °C, mm <sup>2</sup> /s	18	<b>Rolling bearing grease life</b>	
100 °C, mm <sup>2</sup> /s	4,5	SKF R0F test L50 life at 10 000 rpm, hrs	> 1 000, 20 000 rpm
<b>Penetration DIN ISO 2137:</b>		<b>EP performance</b>	
60 strokes, 10 <sup>-1</sup> mm	265 - 295	Wear scar DIN 51350/5, 1 400 N, mm	-
100 000 strokes, 10 <sup>-1</sup> mm	+50 max. (325 max.)	4-ball test, welding load DIN 51350/4	2 000 min.
<b>Mechanical stability:</b>		<b>Fretting corrosion</b>	
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	+ 380 max.	ASTM D4170 (mg)	-
SKF V2F test	-	<b>Designation</b>	<b>LGLT 2/(pack size)</b>
<b>Corrosion protection: SKF Emscor:</b>		* Typical value	
- standard ISO 11007	0 - 1		
- water washout test	-		
- salt water test (100% seawater)	-		

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