LGLT 2

SKF Low Temperature, Extremely High Speed Bearing Grease

SKF LGLT 2 is a fully synthetic oil based grease using lithium soap. Its unique thickener technology and low viscosity oil (PAO) provide excellent lubrication performances at low temperatures –50 °C *(–60 °F)* and extremely high speeds (n d_m values of $1,6 \times 10^6$ can be reached).

- Low friction torque
- Quiet running
- 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

Technical data

Designation	LGLT 2/(pack size)
DIN 51825 code	K2G-50
NLGI consistency class	2
Soap type	Lithium
Colour	Beige
Base oil type	Synthetic (PAO)
Operating temperature range	–50 to +110 °C *(–60 to +230 °F)*
Dropping point DIN ISO 2176	>180 °C *(>355 °F)*
Base oil viscosity	
40 °C, mm^2/s	18
100 °C, mm^2/s	4,5
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	265–295
100 000 strokes, 10^{-1} mm	+50 max.
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	380 max.
Corrosion protection	
Emcor: – standard ISO 11007	0–1
Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	1 max.
Oil separation	
DIN 51 817, 7 days at 40 °C, static, %	<4
Copper corrosion	
DIN 51 811, 110 °C	1 max. 100 °C *(210 °F)*
Rolling bearing grease life	
ROF test	
L_{50} life at 10 000 r/min., hrs	>1 000, 20 000 r/min. at 100 °C *(210 °F)*
EP performance	
4–ball test, welding load DIN 51350/4, N	2 000 min.
Available pack sizes	180 g tube 0.9, 25, 170 kg

SKF lubricants offer major competitive advantages:

- Designed and tested to outperform under real conditions
- Product data include specific test results enabling a better selection
- Strict quality control of every production batch help ensure consistent performance
- Quality control allows SKF to offer a five–year shelf-life* from the date of production

Production processes and raw materials vastly influence grease properties and performance. It is virtually impossible to select or compare greases based only on their composition. Therefore, performance tests are needed to provide crucial information. In over 100 years, SKF has accrued vast knowledge about the interaction of lubricants, materials and surfaces.

This knowledge has led SKF, in many cases, to set industry standards in bearing lubricant testing. Emcor, ROF, ROF+, V2F, R2F and Bequiet are just some of the multiple tests developed by SKF to assess the performance of lubricants under bearing operating conditions. Many of them are widely used by lubricant manufacturers worldwide.

* SKF LGFP 2 food grade grease offers a two-year shelf-life from the date of production

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