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 °C) and extremely high speeds n.dm values of 1.6×10^6 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

200 g tube, 1 kg can, 25 kg drum, 180 kg drum

Technical data

Designations	**LGLT 2**
DIN 51825 code	KP2G-50
NLGI consistency class	2
Soap type	Lithium
Colour	Beige
Base oil type	PAO
Operating temperature range, °C (°F)	-50 to 110 (-58 to 230)
Dropping point DIN ISO 2176, °C (°F)	180 min. (356 min.)
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. (325 max.)
Mechanical stability:	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	+ 380 max.
SKF V2F test	-
Corrosion protection: SKF Emcor:	
- standard ISO 11007	0 - 1
- water washout test	-
- salt water test (100% seawater)	-

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
Lubrication ability	
SKF R2F, running test B at 120 °C	-
Copper corrosion	
DIN 51 811, 110 °C	1 max. (150 °C / 300 °F)
Rolling bearing grease life	
SKF R0F test L50 life at 10 000 rpm, hrs	> 1 000, 20 000 rpm
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	-
4-ball test, welding load DIN 51350/4	2 000 min.
Fretting corrosion	
ASTM D4170 (mg)	-
Designation	**LGLT 2**/(pack size)

* Typical value

SKF Maintenance Products

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