



Re-lubrication



SKF Product Data Sheet

LGLT 2

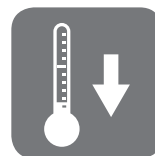
SKF low temperature, extremely high speed bearing grease

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	Water resistance DIN 51 807/1, 3 hrs at 90°C 1 max.
NLGI consistency class	2	Oil separation DIN 51 817, 7 days at 40°C , static, % < 4
Soap type	Lithium	Lubrication ability SKF R2F, running test B at 120°C -
Colour	Beige	Copper corrosion DIN 51 811, 110°C 1 max. (150°C / 300°F)
Base oil type	PAO	Rolling bearing grease life SKF R0F test L50 life at 10 000 rpm, hrs > 1 000, 20 000 rpm
Operating temperature range, $^{\circ}\text{C}$ ($^{\circ}\text{F}$)	-50 to 110 (-58 to 230)	EP performance Wear scar DIN 51350/5, 1 400 N, mm - 4-ball test, welding load DIN 51350/4 2 000 min.
Dropping point DIN ISO 2176, $^{\circ}\text{C}$ ($^{\circ}\text{F}$)	180 min. (356 min.)	Fretting corrosion ASTM D4170 (mg) -
Base oil viscosity:		Designation LGLT 2/(pack size)
40 $^{\circ}\text{C}$, mm^2/s	18	* Typical value
100 $^{\circ}\text{C}$, 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)	-	

SKF Maintenance Products

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