

SKF LGLT 2/18

Low temperature, extremely high speed bearing grease

A fully synthetic oil based grease using a lithium soap. Its unique thickener technology and low viscosity oil (PAO) provide excellent lubrication performances at very low temperatures and extremely high speeds.

Technical specifications

Dimensions	
Corrosion protection, Emcor, ISO 11007, Distilled water	0-1
Performance	
Suitable for High load applications	● ○ ○ ○ ○
Suitable for Vertical shaft applications	● ● ● ● ○
Suitable for applications with Oscilating movements	● ● ○ ○ ○
Suitable for applications with Severe vibrations	● ○ ○ ○ ○
Suitable for applications that require Rust protection	● ● ○ ○ ○
Suitable for applications that require Water resistance	● ● ● ● ○
Suitable for applications that require Frequent start-up	● ● ● ● ○
Operating temperature range	Array °C
Load Range	Low C/P ≥15
Speed Range	Medium - Extremely high
Dropping point (min) ISO 2176	180 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ⁻¹ mm	-
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emcor, ISO 11007 modified, Water washout	-
Corrosion protection, Emcor, ISO 11007 modified, 0.5% NaCl	-
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	<4
Lubrication ability, R2F test B at 120°C	-
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C and 20000 r/min
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2000 N
Properties	
Category	Bearing grease
Lubricant	LGLT 2
NLGI consistency class	2
Base oil viscosity DIN 51562 at 40 °C	18 mm²/s
Base oil viscosity DIN 51562 at 100 °C	4.5 mm²/s
Biodegradable	No
DIN 51825 code	K2G-50
Thickener	Lithium
Colour	Beige
Base oil type	PAO
Shelf life	5 year
Available for single point lubrication	No
Logistics	
Product net weight	16 kg
eClass code	23-06-01-01

