SKF Bearing grease LGNL 3

General purpose, high load bearing grease

SKF LGNL 3 is a premium general purpose NLGI 3 grease based on a mineral oil with a calcium complex soap.

Versatile and designed for a wide variety operating conditions, LGNL 3 ensures optimal performance in many applications, including vertical shafts and applications exposed to high vibrations, aiming to extend equipment life and reducing maintenance costs.

This general purpose wide applications grease is an effective alternative to traditional general purpose lithium based greases.

- Excellent load carrying capabilities.
- High performance.
- Wide temperature range.
- Extended relubrication intervals.

Typical applications

- Vertical shaft applications.
- High load applications.
- Vibrating conditions.
- Pumps and fans
- Mills and crushers.

Available pack sizes

Pack size	Designation
1 kg can	LGNL 3/1
18 kg pail	LGNL 3/18
180 kg drum	LGNL 3/180

Technical data

Designation	LGNL 3/(pack size)
DIN 51825 code	KP3K-30
NLGI consistency class	3
Thickener	Calcium complex
Colour	Amber
Base oil type	Mineral oil
Operating temperature range	-30 to +130 °C *(-22 to +266 °F)*
Dropping point DIN ISO 2176	190 °C min. *(374 °F min.)*
Base oil viscosity	
40 °C, mm^2/s	105
100 °C, mm^2/s	10
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	220-250
100 000 strokes, 10^{-1} mm	+50
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	+50
V2F test	'M'
Corrosion protection	
Emcor:	
– standard ISO 11007	0-0
– water washout test	0-0
Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	2 max.
Oil separation	
DIN 51 817, 7 days at 60 °C, static, %	1-3
Lubrication ability	
R2F, running test B	Pass at 140 °C (*284 °C*)
Copper corrosion	
DIN 51 811	2 max. at 130 °C *(266 °F)*
Rolling bearing grease life	
R0F test L_{50} life at 10 000 r/min., hrs	1 000 min. at 130 °C *(266 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	2 max.
4-ball test, welding load DIN 51350/4. N	2 800 min.
Shelf life	5 years

These characteristics represent typical values.

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