

SKF Bearing Grease

# General purpose, high load industrial bearing grease

## LGNL 2

SKF LGNL 2 is a mineral oil based, anhydrous calcium soap thickened grease suitable for high load applications. This general purpose wide applications grease is an effective alternative for traditional general purpose and extreme pressure lithium based greases.

- Excellent water resistance and corrosion protection
- Good mechanical stability
- Good pumpability
- Excellent wear protection

### Typical applications

- Agricultural equipment
- Conveyors
- Vibrating applications
- Mills and crushers



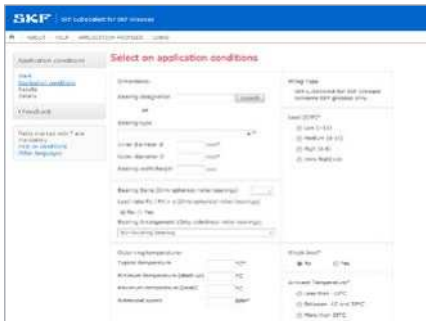
### Available pack sizes

| Packsize         | Designation |
|------------------|-------------|
| 420 ml cartridge | LGNL 2/0.4  |
| 18 kg pail       | LGNL 2/18   |
| 180 kg drum      | LGNL 2/180  |



| Technical data                                       |                                 |
|--|---------------------------------|
| Designation  | LGNL 2/(pack size)              |
| DIN 51825 code                                       | K2KP-30                         |
| NLGI consistency class                               | 2                               |
| Thickener  | Anhydrous calcium               |
| Colour   | Yellow brown                    |
| Base oil type  | Mineral                         |
| Operating temperature range                          | -30 to +110 °C (-22 to +230 °F) |
| Dropping point DIN ISO 2176                          | 140 °C min. (284 °F min.)       |
| Base oil viscosity                                   |                                 |
| 40 °C, mm <sup>2</sup> /s                            | 220                             |
| 100 °C, mm <sup>2</sup> /s                           | 14                              |
| Penetration DIN ISO 2137                             |                                 |
| 60 strokes, 10 <sup>-1</sup> mm                      | 265–295                         |
| 100 000 strokes, 10 <sup>-1</sup> mm                 | +50 max.                        |
| Mechanical stability                                 |                                 |
| Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm | +70 max.                        |
| 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                         | 1 max.                          |
| Oil separation                                       |                                 |
| DIN 51 817, 7 days at 40 °C, %                       | 1–5                             |
| Lubrication ability                                  |                                 |
| R2F, running test B at 120 °C                        | Pass                            |
| Copper corrosion                                     |                                 |
| DIN 51 811   | 2 max. at 100 °C (212 °F)       |
| Rolling bearing grease life                          |                                 |
| R0F test, L50 life at 10 000 r/min., hrs             | 1 000 min. at 110 °C (230 °F)   |
| EP performance                                       |                                 |
| Wear scar DIN 51350/5, 1 400 N, mm                   | 1.8 max                         |
| 4-ball test, welding load DIN 51350/4. N             | 2 800 min.                      |
| Shelf life   | 5 years                         |

*These characteristics represent typical values.*



Advanced tool for grease selection and relubrication calculation

## LubeSelect for SKF greases

Selecting a suitable grease for a particular bearing is a crucial step if the bearing is to meet design expectations in its application. SKF knowledge about bearing lubrication has been encapsulated into a computer program that can be consulted at [skf.com/lubeselect](http://skf.com/lubeselect)

LubeSelect for SKF greases provides you a user friendly tool to select the right grease and suggest frequency and quantity, while taking into account the particular conditions of your application. General guidelines for typical greases for different applications are also available.



Scan or click the QR code, or go to [skf.com/lubeselect](http://skf.com/lubeselect)

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