

SKF Bearing Grease

Extreme pressure low temperature bearing grease

LGWM 1

SKF LGWM 1 is a low consistency mineral oil based grease, using a lithium soap and containing extreme pressure additives. It is extremely suitable for the lubrication of bearings operating under both radial and axial loads.

- Good oil film formation at low temperatures down to $-30\text{ }^{\circ}\text{C}$ ($-20\text{ }^{\circ}\text{F}$)
- Good pumpability down to low temperatures
- Good corrosion protection
- Good water resistance

Typical applications

- Wind turbine main shafts
- Screw conveyors
- Centralised lubrication systems
- Spherical roller thrust bearing applications



Available pack sizes

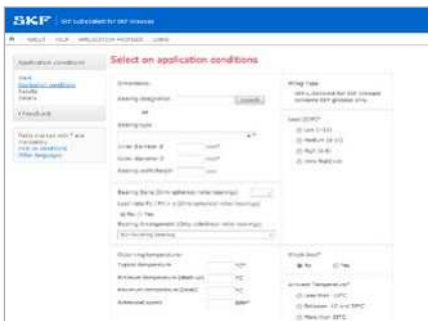
Packsize	Designation
420 ml cartridge	LGWM 1/0.4
5 kg can	LGWM 1/5
18 kg pail	LGWM 1/18
50 kg drum	LGWM 1/50
180 kg drum	LGWM 1/180
Electro-mechanical lubricant dispensers	
TLMR 101 series 380 ml refill (incl. battery)	LGWM 1/MR380B
TLMR 201 series 380 ml refill	LGWM 1/MR380



Technical data

Designation	LGWM 1/(pack size)		
DIN 51825 code	KP1G-30	Water resistance DIN 51 807/1, 3 hrs at 90 °C	1 max.
NLGI consistency class	1	Oil separation DIN 51 817, 7 days at 40 °C, static, %	8–13
Thickener	Lithium	Lubrication ability R2F, running test B at 120 °C	Pass at 100 °C (212 °F)
Colour	Brown	Copper corrosion DIN 51 811	2 max. at 90 °C (>195 °F)
Base oil type	Mineral	EP performance Wear scar DIN 51350/5, 1 400 N, mm 4–ball test, welding load DIN 51350/4, N	1,8 max. 2 800 min.
Operating temperature range	–30 to +110 °C (–20 to +230 °F)	Rolling bearing grease life R0F test, L50 life at 10 000 r/min., hrs	1 000 min. at 100 °C (212 °F)
Dropping point DIN ISO 2176	>170 °C (>340 °F)	Shelf life	5 years
Base oil viscosity 40 °C, mm ² /s	200		
100 °C, mm ² /s	16		
Penetration DIN ISO 2137 60 strokes, 10 ⁻¹ mm	310–340		
100 000 strokes, 10 ⁻¹ mm	+50 max.		
Corrosion protection: Emcor: – standard ISO 11007	0–0		
– water washout test	0–0		
– salt water test (0.5% NaCl)	0–0		

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

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

skf.com | skf.com/lubrication | skf.com/mapro

© SKF is a registered trademark of the SKF Group.

© SKF Group 2022. All rights reserved. Please note that this publication may not be copied or distributed, in whole or in part, unless prior written permission is granted.

Every care has been taken to ensure the accuracy of the information contained in this publication, but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MP/P8 12055/4 EN · November 2022

Certain image(s) used under license from Shutterstock.com.