

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°C (-20°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

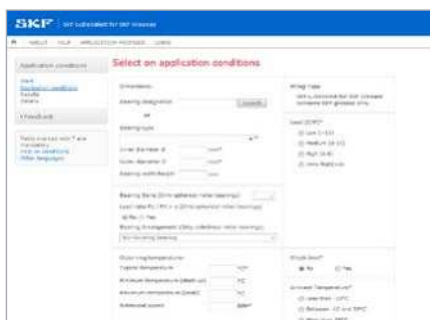
Packsize	Designation
420 ml cartridge	LGWM 1/0.4
5 kg can	LGWM 1/5
18 kg pail	LGWM 1/18
50 kg drum	LGWM 1/50
180 kg drum	LGWM 1/180
Electro-mechanical lubricant dispensers	
TLMR 101 series 380 ml refill (incl. battery)	LGWM 1/MR380B
TLMR 201 series 380 ml refill	LGWM 1/MR380



Technical data

Designation	LGWM 1/(pack size)		
DIN 51825 code	KP1G-30	Corrosion protection:	
NLGI consistency class	1	Emcor: – standard ISO 11007	0–0
Thickener	Lithium	– water washout test	0–0
Colour	Brown	– salt water test (0.5% NaCl)	0–0
Base oil type	Mineral	Oil separation	
Operating temperature range	–30 to +110 °C (–20 to +230 °F)	DIN 51 817, 7 days at 40 °C, static, %	8–13
Dropping point DIN ISO 2176	>170 °C (>340 °F)	Lubrication ability	
Base oil viscosity		R2F, running test B at 120 °C	Pass at 100 °C (212 °F)
40 °C, mm ² /s	200	Copper corrosion	
100 °C, mm ² /s	15	DIN 51 811	2 max. at 100 °C (>212 °F)
Penetration DIN ISO 2137		EP performance	
60 strokes, 10 ^{–1} mm	310–340	Wear scar DIN 51350/5, 1 400 N, mm	1,8 max.
100 000 strokes, 10 ^{–1} mm	+50 max.	4–ball test, welding load DIN 51350/4, N	2 800 min.
Water resistance		Rolling bearing grease life	
DIN 51 807/1, 3 hrs at 90 °C	1 max.	R0F test, L50 life at 10 000 r/min., hrs	1 000 min. at 110 °C (230 °F)
		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

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

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