SKF Bearing Grease

High load, wide temperature bearing grease

LGWM 2

SKF LGWM 2 is a synthetic-mineral oil based grease using calcium sulphonate complex thickener. It is suitable for applications subjected to high loads, wet environments and fluctuating temperatures.

- Excellent corrosion protection
- Excellent mechanical stability
- Excellent high load lubricating capacity
- Good false brinelling protection
- Good pumpability down to low temperatures

Typical applications

- Wind turbine mains shafts
- Heavy duty off road applications
- Snow exposed applications
- Marine and offshore applications
- Spherical roller thrust bearing applications

Available pack sizes

Packsize	Designation	Packsize	Designation
420 ml cartridge	LGWM 2/0.4	**Electro-mechanical lubricant dispensers**	
5 kg can	LGWM 2/5	TLMR 101 series 380 ml refill (incl. battery)	LGWM 2/MR380B
18 kg pail	LGWM 2/18	TLMR 201 series 380 ml refill	LGWM 2/MR380
50 kg drum	LGWM 2/50		
180 kg drum	LGWM 2/180		
Gas driven lubricator			
LAGD series 125 ml	LAGD 125/WM2		

Technical data

Designation	LGWM 2/(pack size)
DIN 51825 code	KP2G-40
NLGI consistency class	1–2
Thickener	Complex calcium sulphonate
Colour	Light brown
Base oil type	Synthetic (PAO)/ Mineral
Operating temperature range	–40 to +110 °C *(–40 to +230 °F)*
Dropping point DIN ISO 2176	>300 °C *(>570 °F)*
Base oil viscosity	
40 °C, mm^2/s	80
100 °C, mm^2/s	10
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	280–310
100 000 strokes, 10^{-1} mm	+30 max.
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10^{-1} mm	+30 max.
Corrosion protection	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0
– salt water test (0.5% NaCl)	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, static, %	1-3 at 60 °C *(140 °F)*
Lubrication ability	
R2F, running test B at 120 °C	Pass
Copper corrosion	
DIN 51 811	2 max. at 100 °C *(210 °F)*
Rolling bearing grease life	
R0F test	
L_{50} life at 10 000 r/min, hrs	1 000 at 110 °C *(230 °F)*
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	2 max.
4–ball test, welding load DIN 51350/4, N	4 000 min.
Anti-fretting performance	
ASTM D7594 0.3 mm, 50 °C, μ	<0.2
Shelf life	5 years

These characteristics represent typical values.

productselect.skf.com

Advanced tool for grease selection and relubrication

SKF Bearing grease selection tool

The *SKF Bearing grease selection tool* is an advanced, fully integrated solution within the *SKF Product select* platform that helps users determine the most suitable grease and relubrication intervals based on actual operating conditions.

It combines an intuitive interface with improved search functions, updated calculation algorithms and professional reporting to support reliable, application-specific lubrication decisions.

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