

LGWM 2

High load, wide temperature bearing grease

SKF LGWM 2 has been developed for lubrication under a wide temperature range, high loads and wet environments. LGWM 2 is a synthetic-mineral oil based grease using the latest complex calcium sulphonate thickener technology. LGWM 2 is suitable for temperatures down to - 40 °C.

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

Typical applications:

- Wind turbines
- Heavy duty off road applications
- Snow exposed applications
- Marine applications
- Spherical roller thrust bearing applications

Bearing operating conditions

Temperature	Low to Medium
Speed	Low to Medium
Load	Medium to High
Vertical shaft	○
Fast outer ring rotation	○
Oscillating movements	+
Severe vibrations	+
Shock load or frequent start-up	+
Low noise	-
Low friction	-
Rust inhibiting properties	+
+ = Recommended ○ = Suitable - = Not suitable	

Available pack sizes LGWM 2

SYSTEM 24	420 ml cartridge	5 kg can
18 kg can	50 kg drum	180 kg drum



Re-lubrication



Technical data

Designations	LGWM 2		
DIN 51825 code	KP2G-40	Water resistance	DIN 51 807/1, 3hrs at 90 °C
NLGI consistency class	1-2		1 max
Soap type	Complex calcium sulphonate	Oil separation	DIN 51817, 7 days at 40°C, static, %
Colour	Yellow		3 max
Base oil type	Synthetic(PAO)/Mineral	Lubrication ability	SKF R2F, Cold chamber test (+20 °C to -30 °C)
Operating temperature range, °C (°F)	-40 to 110 (-40 to 230)		pass
Dropping point DIN ISO 2176, °C	> 300	Copper corrosion	DIN 51 811, 100 °C
Base oil viscosity			1 max
40 °C, mm ² /s	80	Rolling bearing grease life	SKF ROF test L ₅₀ life at 10 000 rpm, hrs
100 °C, mm ² /s	8,6		1 824* at 110°C
Penetration DIN ISO 2137		EP performances	
60 strokes, 10 ⁻¹ mm	280-310	Wear scar DIN 51350/5, 1400 N, mm	1,5 max
100 000 strokes, 10 ⁻¹ mm	+30 max	4-ball test, welding load DIN 51350/4	4 600 N
Mechanical stability		Fretting corrosion	
ASTM D1831, 100h at 80°C, 10 ⁻¹ mm	+2*	ASTM D4170 FAFNIR test at +25°C, mg	5,2*
ASTM D1831, 100h at 80°C + 20% H ₂ O, 10 ⁻¹ mm	-9*	ASTM D4170 FAFNIR test at -20°C, mg	1,1*
Corrosion protection		Designation	LGWM 2/(pack size)
SKF Emscor:		<i>* typical values</i>	
- standard ISO 11007	0-0		
- Salt water test (100% sea water)	0-0		
Water wash-out test, ASTM D1264, %	0*		

© SKF is a registered trademark of the SKF Group

© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) 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.

MP/PDS LGWM2 EN • October 2009

www.mapro.skf.com • skf.com/lubrication

