

## LGWM 2

## SKF High Load, Wide Temperature Bearing Grease

SKF LGWM 2 is a synthetic-mineral oil based grease using the latest complex calcium sulphonate thickener technology. 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



### Technical data

Designation	LGWM 2/(pack size)
DIN 51825 code	KP2G-40
NLGI consistency class	1-2
Soap type	Complex calcium sulphonate
Colour	Yellow
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 <sup>2</sup> /s	80
100 °C, mm <sup>2</sup> /s	8,6
Penetration DIN ISO 2137	
60 strokes, 10 <sup>-1</sup> mm	280-310
100 000 strokes, 10 <sup>-1</sup> mm	+30 max.
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	+50 max.
Corrosion protection	
Emcor: - standard ISO 11007	0-0
- water washout test	0-0
- salt water test (100% seawater)	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, %	3 max.
Lubrication ability R2F, running test B at 120 °C R2F, Cold chamber test (+20 °C) R2F, Cold chamber test (-30 °C)	Pass at 140 °C (285 °F) Pass Pass
Copper corrosion DIN 51 811, 110 °C	1 max.
Rolling bearing grease life ROF test L <sub>50</sub> life at 10 000 r/min., hrs	1 824* at 110 °C (230 °F)
EP performance Wear scar DIN 51350/5, 1 400 N, mm 4-ball test, welding load DIN 51350/4, N	1,5 max. 4 000 min.
Fretting corrosion ASTM D4170 FAFNIR test at +25 °C, mg ASTM D4170 FAFNIR test at -20 °C, mg	5,2* 1,1*
Available pack sizes	420 ml cartridge 5, 18, 50, 180 kg SKF SYSTEM 24 (LAGD/TLSD), TLMR

\* Typical value