

High load, extreme pressure, wide temperature range bearing grease

SKF LGWA 2 is a premium quality mineral oil based, lithium complex grease with extreme pressure (EP) performance. LGWA 2 is recommended for general industrial applications, when loads or temperatures exceed the range of general purpose greases.

- Excellent lubrication at peak temperatures up to 220 °C (430 °F) for short periods.
- Protection of wheel bearings operating under severe conditions.
- Effective lubrication in wet conditions.
- Good water and corrosion resistance
- Excellent lubrication under high loads and low speeds.

Typical applications

- Washing machines.
- Fans and electric motors.



Available pack sizes

Pack size	Designation
200 g tube	LGWA 2/0.2
420 ml cartridge	LGWA 2/0.4
1 kg can	LGWA 2/1
5 kg can	LGWA 2/5
18 kg pail	LGWA 2/18
50 kg drum	LGWA 2/50
180 kg drum	LGWA 2/180
Gas driven lubricators	
LAGD series 60 ml	LAGD 60/WA2
LAGD series 125 ml	LAGD 125/WA2

Available pack sizes

Pack size	Designation
Electro-mechanical lubricators	
TLSD series 125 ml	TLSD 125/WA2
TLSD series 125 ml refill	LGWA 2/SD125
TLSD series 250 ml	TLSD 250/WA2
TLSD series 250 ml refill	LGWA 2/SD250
Electro-mechanical lubricant dispensers	
TLMR 101 series 120 ml refill (incl. battery)	LGWA 2/MR120B
TLMR 201 series 120 ml refill	LGWA 2/MR120
TLMR 101 series 380 ml refill (incl. battery)	LGWA 2/MR380B
TLMR 201 series 380 ml refill	LGWA 2/MR380



Technical data

Designation	LGWA 2/(pack size)
DIN 51825 code	KP2N-30
NLGI consistency class	2
Thickener	Lithium complex
Colour	Amber
Base oil type	Mineral
Operating temperature range	-30 to +140 °C (-20 to +285 °F)
Dropping point DIN ISO 2176	>250 °C min. (>480 °F min.)
Base oil viscosity	
40 °C, mm ² /s	250
100 °C, mm ² /s	17
Penetration DIN ISO 2137	
60 strokes, 10 ⁻¹ mm	265-295
100 000 strokes, 10 ⁻¹ mm	+50 max. (325 max.)
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	+50 max. change
V2F test	'M'
Corrosion protection	
Emcor:	
– standard ISO 11007	0-0
– water washout test	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, %	1-5
Lubrication ability	
R2F, running test B at 120 °C	Pass at 140 °C (284 °C)
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 min. at 130 °C (265 °F)
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	1.8 max.
4-ball test, welding load DIN 51350/4. N	2 600 min.
Shelf life	5 years

These characteristics represent typical values.

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