

# Automotive bearing grease

## VKG 1

VKG 1 is a premium quality mineral oil based lithium complex grease with extreme pressure (EP) performance. SKF VKG 1 is extremely thermally stable within its operating temperature range and up to 220 °C (428 °F) for intermittent operation, which makes it suitable in wheel bearings of vehicles fitted with disc brakes

### Benefits

- Excellent lubrication at peak temperatures up to 220 °C (428 °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

Wheel bearings in:

- Cars
- Trailers
- Trucks



### Available pack sizes

Packsize	Designation
1 kg can	VKG 1/0.2
1 kg can	VKG 1/0.4
1 kg can	VKG 1/1
5 kg can	VKG 1/5
18 kg pail	VKG 1/18



## Technical data

Designation	VKG 1/(pack size)		
DIN 51825 code	KP2N-30	<b>Mechanical stability</b>	
NLGI consistency class	2	Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	+50 max. change 'M'
Thickener	Lithium complex	V2F test	
Colour	Amber	<b>Corrosion protection</b>	
Base oil type	Mineral	Emcor: – standard ISO 11007	0–0
Operating temperature range	-30 to 140 °C (-22 to 284 °F)	– water wash out	0–0
Dropping point DIN ISO 2176	> 250 °C (482 °F)	<b>Water resistance</b>	
Base oil viscosity		DIN 51 807/1, 3 hrs at 90 °C	1 max.
40 °C, mm <sup>2</sup> /s	250	<b>Oil separation</b>	
100 °C, mm <sup>2</sup> /s	17	DIN 51 817, 7 days at 40 °C, static %	1–5
Penetration DIN ISO 2137		<b>Copper corrosion</b>	
60 strokes, 10 <sup>-1</sup> mm	265–295	DIN 51 811	2 max. (100 °C/210 °F)
100 000 strokes, 10 <sup>-1</sup> mm	+50 (max. (325) *	<b>EP performance</b>	
		Wear scar DIN 51350/5, 1 400 N, mm	1,8 max
		4-ball test, welding load DIN 51350/4	2 600 N min

*These characteristics represent typical values.*

[skf.com](https://skf.com) | [skf.com/lubrication](https://skf.com/lubrication) | [skf.com/mapro](https://skf.com/mapro)

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