

LGGB 2

SKF Biodegradable Bearing Grease

SKF LGGB 2 is a biodegradable, low toxicity, synthetic ester oil based grease, using a lithium-calcium thickener. Its special formulation makes it most suitable for applications where environmental contamination is a concern.

- Compliance with current regulations on toxicity and biodegradability
- Good performance in applications with steel-on-steel spherical plain bearings, ball bearings and roller bearings
- Good low temperature start-up performance
- Good corrosion inhibiting properties
- Suitable for medium to high loads

Typical applications:

- Agricultural and forestry equipment
- Construction and earthmoving equipment
- Mining and conveying equipment
- Water treatment and irrigation
- Locks, dams, bridges
- Linkages, rod ends



Technical data

Designation	LGGB 2/(pack size)	
DIN 51825 code	KPE 2K-40	
NLGI consistency class	2	
Soap type	Lithium/calcium	
Colour	Off white	
Base oil type	Synthetic ester	
Operating temperature range	-40 to +90 °C (-40 to +195 °F)	
Dropping point DIN ISO 2176	>170 °C (>340 °F)	
Base oil viscosity	40 °C, mm ² /s	110
	100 °C, mm ² /s	13
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	
	+70 max. (350 max.)	
Corrosion protection	Emcor: – standard ISO 11007	0-0
Water resistance	DIN 51 807/1, 3 hrs at 90 °C	
	0 max.	
Oil separation	DIN 51 817, 7 days at 40 °C, static, %	
	0,3-3	
Lubrication ability	R2F, running test B at 120 °C	
	Pass at 100 °C (210 °F)*	
Rolling bearing grease life	ROF test L ₅₀ life at 10 000 r/min., hrs	
	>300 at 120 °C (250 °F)	
EP performance	Wear scar DIN 51350/5, 1 400 N, mm	
	4-ball test, welding load DIN 51350/4, N	
	1,8 max. 2 600 min.	
Available pack sizes	420 ml cartridge 5, 18, 180 kg SKF SYSTEM 24 (LAGD)	

* Typical value