



SKF LGEV 2/180

Extremely high viscosity bearing grease with solid lubricants

A mineral oil based grease, using a lithium-calcium soap. Its high content of molybdenum disulphide and graphite, in conjunction with an extremely high viscosity oil, provide outstanding protection under the harshest conditions involving high loads, slow rotations and severe vibrations.

Technical specifications

Dimensions	
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0

Performance	
Suitable for High load applications	● ● ● ● ●
Suitable for Vertical shaft applications	● ● ● ○ ○
Suitable for applications with Oscilating movements	● ● ● ○ ○
Suitable for applications with Severe vibrations	● ● ● ● ○
Suitable for applications that require Rust protection	● ● ● ● ○
Suitable for applications that require Water resistance	● ● ● ● ○
Suitable for applications that require Frequent start-up	● ● ● ● ●
Operating temperature range	Array °C
Load Range	High - Very high C/P < 6
Speed Range	Very low - low
Dropping point (min) ISO 2176	180 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ⁻¹ mm	+50
Mechanical stability, V2F test, 144 hrs	M
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, ISO 11007 modified, 0.5% NaCl	2-2
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	1-5
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1.2 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	3000 N

Properties	
Category	Bearing grease
Lubricant	LGEV 2
NLGI consistency class	2
Base oil viscosity DIN 51562 at 40 °C	1020 mm²/s
Base oil viscosity DIN 51562 at 100 °C	47 mm²/s
Biodegradable	No
DIN 51825 code	KPF2K-10
Thickener	Lithium calcium
Colour	Black
Base oil type	Mineral
Shelf life	5 year
Available for single point lubrication	no

Logistics	
Product net weight	180 kg

eClass code	23-06-01-01
UNSPSC code	15121902