

SKF LGWM 1/180

Extreme pressure low temperature bearing grease



A low consistency mineral oil based grease, using a lithium soap and containing extreme pressure additives. It is extremely suitable for the lubrication of bearings operating under both radial and axial loads.

- Good oil film at very low temperatures
- Good pumpability down to low temperatures
- Good corrosion protection
- Good water resistance

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	-22 – 230 °F
Load Range	High C/P ~ 4
Speed Range	Low - Medium
Dropping point (min) ISO 2176	338 °F
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	310 - 340
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	-
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	0-0

Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	8-13
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max. at 90°C
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	1.8 in
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2800 lbf

Properties

Category	Bearing grease
Lubricant	LGWM 1
NLGI consistency class	1
Base oil viscosity DIN 51562 at 40 °C	200 mm²/s
Base oil viscosity DIN 51562 at 100 °C	16 mm²/s
Biodegradable	No
Food Grade	No
DIN 51825 code	KP1G-30
Thickener	Lithium
Colour	Brown
Base oil type	Mineral
Shelf life	5 year
Packsize	180 kg drum
Available for single point lubrication	no

Logistics

Country of Manufacturing (COM code)	11 - Sweden
Product net weight	397 lb
eClass code	23-06-01-01
UNSPSC code	15121902

Compatible products

Type	Designation	Description	Qty
Recommended product	LGWM 1/0.4	Extreme pressure low temperature bearing grease	1
Recommended product	LGWM 1/5	Extreme pressure low temperature bearing grease	1

Type	Designation	Description	Qty
Recommended product	LGWM 1/50	Extreme pressure low temperature bearing grease	1
Recommended tool	TMBA G11DB	Lubrication tool accessories	1
Recommended tool	LAGG 180AF	Air-driven grease pump for use on grease drums, stationary	1
Recommended tool	LAGT 180F	Grease trolley for grease drums, for Air-driven grease pumps	1
Recommended tool	LAGG 180AE	Air-driven grease pump for use on grease drums, stationary	1
Recommended tool	LAGT 180	Grease trolley for grease drums, for Air-driven grease pumps	1