



SKF LGWM 2/50

High loads, wide temperature bearing grease

A synthetic-mineral oil based grease using the latest complex calcium sulphonate thickener technology. It is suitable for applications subjected to high loads, wet environments and fluctuating temperatures.

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	Low - High C/P > 4
Speed Range	Low - Medium
Dropping point (min) ISO 2176	300 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	280-310
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+30
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ⁻¹ mm	+30
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, 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, %	3 max.
Lubrication ability, R2F test B at 120°C	Pass
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 110°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	2 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	4000 N
Anti-fretting performance, ASTM D7594, 0.3mm at 50°C	<0.2

Properties	
Category	Bearing grease
Lubricant	LGWM 2
NLGI consistency class	1-2
Base oil viscosity DIN 51562 at 40 °C	80 mm²/s
Base oil viscosity DIN 51562 at 100 °C	10 mm²/s
Biodegradable	No
DIN 51825 code	KP2G-40
Thickener	Calcium sulphonate complex
Colour	Ligth brown
Base oil type	Mineral/PAO
Shelf life	5 year
Available for single point lubrication	no

Logistics	

Product net weight	50 kg
eClass code	23-06-01-01
UNSPSC code	15121902