

## LGWM 1

# SKF Extreme Pressure Low Temperature Bearing Grease

SKF LGWM 1 is 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 formation at low temperatures down to  $-30\text{ °C}$  ( $-20\text{ °F}$ )
- Good pumpability down to low temperatures
- Good corrosion protection
- Good water resistance

### Typical applications:

- Wind turbine main shafts
- Screw conveyors
- Centralised lubrication systems
- Spherical roller thrust bearing applications



### Technical data

#### Designation **LGWM 1/(pack size)**

DIN 51825 code	KP1G-30
NLGI consistency class	1
Soap type	Lithium
Colour	Brown
Base oil type	Mineral
Operating temperature range	$-30$ to $+110\text{ °C}$ ( $-20$ to $+230\text{ °F}$ )
Dropping point DIN ISO 2176	$>170\text{ °C}$ ( $>340\text{ °F}$ )
Base oil viscosity	
40 °C, $\text{mm}^2/\text{s}$	200
100 °C, $\text{mm}^2/\text{s}$	16
Penetration DIN ISO 2137	
60 strokes, $10^{-1}\text{ mm}$	310–340
100 000 strokes, $10^{-1}\text{ mm}$	+50 max.
Corrosion protection:	
Emcor: – standard ISO 11007	0–0
– water washout test	0–0

Water resistance	
DIN 51 807/1, 3 hrs at $90\text{ °C}$	1 max.
Oil separation	
DIN 51 817, 7 days at $40\text{ °C}$ , static, %	8–13
Copper corrosion	
DIN 51 811, $110\text{ °C}$	2 max. at $90\text{ °C}$ ( $>195\text{ °F}$ )
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	1,8 max.
4-ball test, welding load DIN 51350/4, N	3 200 min.*
Fretting corrosion	
ASTM D4170 (mg)	5,5*
Available pack sizes	420 ml cartridge 5, 50, 180 kg TLMR

\* Typical value