Grid and gear coupling grease

LMCG 1

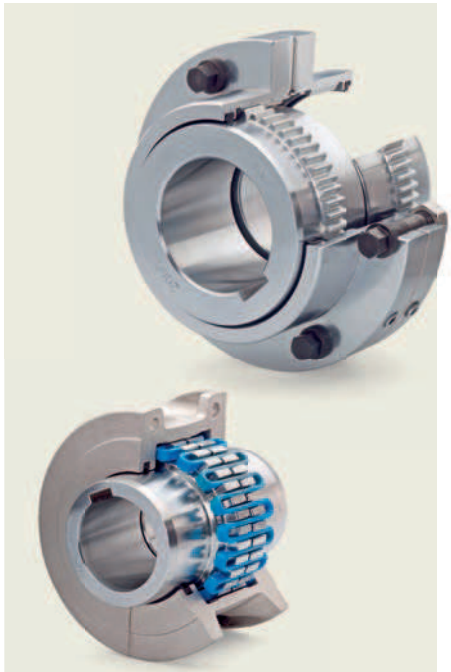
LMCG 1 is a polyethylene thickened and mineral oil based grease which also uses a lithium complex thickening technology. The grease is formulated to withstand high centrifugal forces and high-torque applications for grid and gear (flexible) couplings even where severe shock loadings, misalignment and vibration occur.

Leakage is prevented at high speeds and the grease is stable in consistency. The special additive formulations make the grease suitable for applications subjected to high loads, high torque, wet environments, a wide range of speed regimes and wide range of temperatures

- Excellent resistance to oil separation
- High acceleration and high operating speeds
- Excellent high-torque lubrication
- High corrosion protection
- Exceeds AGMA Type CG-1 and AGMA Type CG-2 requirements

Typical industries

- Heavy industries (mining, mineral processing, cement, steel, pulp & paper).
- Marine industry.
- General machinery (petrochemical, power generation plants, etc.).



Typical applications

- Grid and gear couplings
- Flexible heavy duty grid and gear coupling

Available pack sizes

Packsize	Designation
35 g tube	LMCG 1/0.035
420 ml cartridge	LMCG 1/0.4
2 kg can	LMCG 1/2
18 kg pail	LMCG 1/18

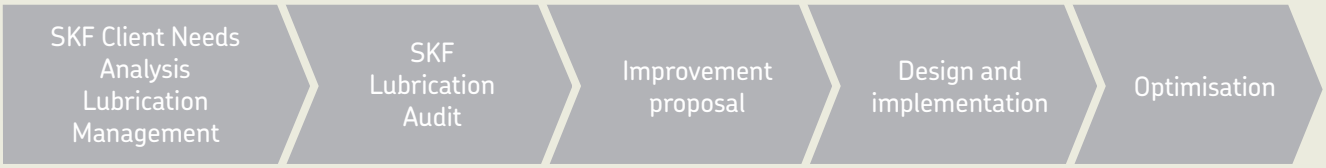
Technical data

Designation	LMCG 1/(pack size)
DIN 51825 code	GOG1G-0
NLGI consistency class	1
Thickener	Polyethylene
Colour	Brown
Base oil type	Mineral
Operating temperature range	0 to 120 °C *(32 to 248 °F)*
Dropping point IP 396	210 °C *(410 °F)*
Base oil viscosity	
40 °C, mm^2/s	761
100 °C, mm^2/s	44
Penetration DIN ISO 2137	
60 strokes, 10^{-1} mm	310–340
Corrosion protection	
SKF Emcor standard ISO 11007	0–0
EP performance	
Wear scar DIN 51350/5, 1 400 N, mm	0,5 max.
4–ball test, welding load DIN 51350/4	3 200 N [1]

[1] Typical value

Lubrication management

Just as asset management takes maintenance to a higher level, a lubrication management approach allows lubrication to be seen from a wider point of view. This approach helps to effectively increase machine reliability at a lower overall cost.



Step 1

Normally implies one day of assessment and provides an overview on the lubrication programme maturity

Step 2

Detailed assessment. Normally implies five days and provides a thorough analysis of the lubrication programme

Step 3

Formulation of specific activities

Step 4

Execution of the proposed activities

Step 5

Reassessment and implementation of additional improvement proposals

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