

# 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.).

### Available pack sizes

Packsize	Designation
420 ml cartridge	LMCG 1/0.4
2 kg can	LMCG 1/2
18 kg pail	LMCG 1/18



### Typical applications

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

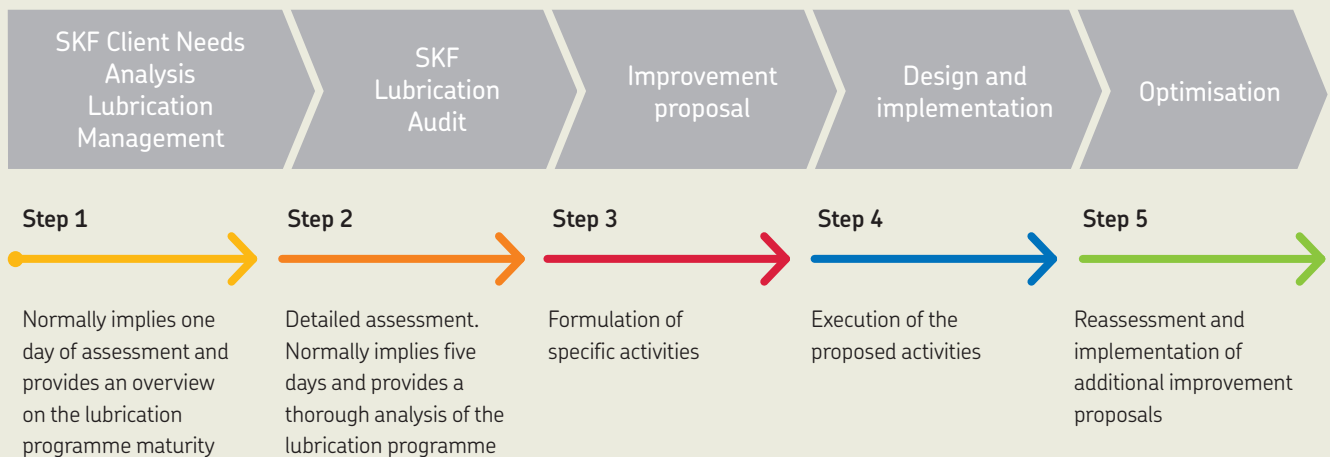
## Technical data

Designation	LMCG 1/(pack size)		
DIN 51825 code	GOG1G-0	Penetration DIN ISO 2137 60 strokes, 10 <sup>-1</sup> mm	310–340
NLGI consistency class	1	Corrosion protection SKF Emcor standard ISO 11007	0–0
Thickener	Polyethylene	EP performance	
Colour	Brown	Wear scar DIN 51350/5, 1 400 N, mm	0,5 max.
Base oil type	Mineral	4-ball test, welding load DIN 51350/4	3 200 N <sup>1)</sup>
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 <sup>2</sup> /s	761		
100 °C, mm <sup>2</sup> /s	44		

<sup>1)</sup> 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.



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PUB MP/P8 13969/3 EN · June 2022

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