

SKF Coupling Grease

Grid and gear coupling grease

LMCG 1

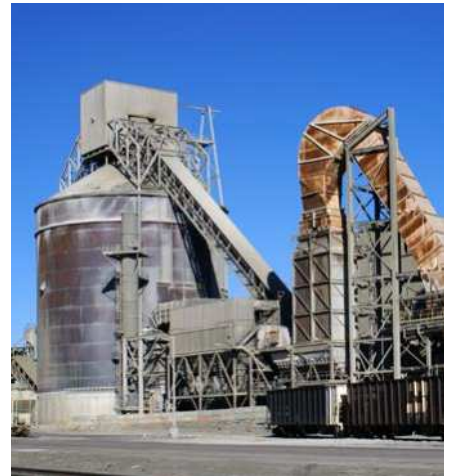
LMCG 1 is a polyethylene thickened and mineral oil based grease which also uses a lithium complex thickening technology. The grease is formulated to withstand high centrifugal forces and high-torque applications for grid and gear (flexible) couplings even where severe shock loadings, misalignment and 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
420 ml cartridge	LMCG 1/0.4
2 kg can	LMCG 1/2
18 kg pail	LMCG 1/18



Technical data

Designation	LMCG 1		
DIN 51825 code	AGMA CG- 2	Corrosion protection, Emscor	
NLGI consistency class	1	ISO 11007, Distilled water	0-0
Thickener	Polyethylene	Water resistance (max.)	
Colour	Brown	Water wash-out test, ISO 11009	<10% at 38°C
Base oil type	Mineral	Copper corrosion (max.)	
Operating temperature range	0 to 120 °C (32 to 248 °F)	DIN 51811 / ASTM D4048, 24 hrs at 100 °C	1b max.
Dropping point (min), ISO 2176	160 °C (320 °F)	EP performance	
Base oil viscosity, DIN 51562		4 ball - Wear scar (max.) DIN 51 350, 1 400 N, mm	ASTM D2266 - 0.5 mm
40 °C, mm ² /s	761	4 ball - Weld load (min.) DIN 51350/4, N	ASTM D2539 - 315 Kgf
100 °C, mm ² /s	44	Other data	
Penetration DIN ISO 2137		Koppers Method ASTM D4425. K36, 24h	<24%
Worked, 60 strokes, 10 ⁻¹ mm	310-340	Flow pressure, DIN 51805-2	<1 400 mbar at -10°C
Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+50 max.	Density (DIN 51757) at 20 °C (68 °F)	0.94
Prolonged (max.), 10 000 strokes, 10 ⁻¹ mm	+25 max.	Shelf life	5 years

These characteristics represent typical values.

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