

SKF Coupling Grease

Grid and gear coupling grease

LMCG 1

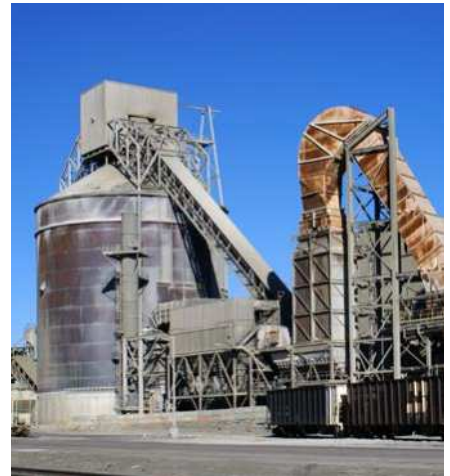
LMCG 1 is a polyethylene thickened and mineral oil based grease which also uses a lithium complex thickening technology. The grease is formulated to withstand high centrifugal forces and high-torque applications for grid and gear (flexible) couplings even where severe shock loadings, misalignment and 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/(pack size) | | |
|--------------------------------------|----------------------------|--|------------------------------|
| AGMA code | CG-2 | Corrosion protection | |
| NLGI consistency class | 1 | SKF Emcor standard ISO 11007 | 0-0 |
| Thickener | Polyethylene | EP performance | |
| Colour | Brown | Wear scar DIN 51350/5, 400 N, mm | 0,5 max. |
| Base oil type | Mineral | 4-ball test, welding load DIN 51350/4 | 3 200 N |
| Operating temperature range | 0 to 120 °C (32 to 248 °F) | Koppers Method | |
| Dropping point IP 396 | 160 °C (320 °F) | K36, 24h, ASTM D4425 | <24% |
| Base oil viscosity | | Flow pressure | |
| 40 °C, mm ² /s | 761 | DIN 51805-2 | <1400 mbar at -10 °C (14 °F) |
| 100 °C, mm ² /s | 44 | Water resistance | |
| Penetration DIN ISO 2137 | | Wash out ISO 11009 < | <10% at 38 °C (100 °F) |
| 60 strokes, 10 ⁻¹ mm | 310-340 | Shelf life | 5 years |
| 10 000 strokes (10 ⁻¹ mm) | 25 | | |

These characteristics represent typical values.