



SKF LMCG 1/18

Grid and gear coupling grease

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.

Technical specifications

Dimensions	
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0

Performance	
Operating temperature range	Array °C
Dropping point (min) ISO 2176	160 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ⁻¹ mm)	310-340
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ⁻¹ mm	+25
Corrosion protection, Emcor, ISO 11007 modified, 0.5% NaCl	2-2
Water wash-out test, ISO 11009	<10% at 38 °C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1b
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	700 at 220°C
Flow pressure, DIN 51805-2	<1400 mBar at -10°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	0.5 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	3200 N

Properties	
Recommended applications	Grid and gear couplings;Flexible heavy duty grif and gear couplings
Category	Non-rolling bearing grease
Lubricant	LMCG 1
NLGI consistency class	1
Base oil viscosity DIN 51562 at 40 °C	761 mm²/s
Base oil viscosity DIN 51562 at 100 °C	44 mm²/s
Biodegradable	No
DIN 51825 code	GOG1G-0
AGMA code	CG-2
Thickener	Polyethylene
Colour	Brown
Base oil type	Mineral
Shelf life	5 year
Density (DIN 51757) at 20 °C (68 °F)	0.94 g/cm³
Packsize	2 kg can
Available for single point lubrication	No

Logistics	
Product net weight	18 kg
eClass code	23-06-01-01
UNSPSC code	15121902