

# LGMT 3/1 General purpose industrial and automotive bearing grease



## General purpose industrial and automotive bearing grease

A mineral oil based, lithium soap thickened grease. This premium quality, general purpose grease is suitable for a wide range of industrial and automotive applications requiring stiff grease.

- Excellent rust inhibiting properties
- High oxidation stability within its recommended temperature range

## Overview

## Dimensions

Product weight	1 kg
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## Performance

Suitable for High load applications	-
Suitable for Vertical shaft applications	++
Suitable for applications with Oscilating movements	0
Suitable for applications with Severe vibrations	++
Suitable for applications that require Rust protection	+
Suitable for applications that require Water resistance	+
Suitable for applications that require Frequent start-up	0
Speed (max.) n x dm (x 1000)	300
Operating temperature range	-30 – 120 °C
Dropping point (min) ISO 2176	180 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 <sup>1</sup> mm)	220 - 250
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 <sup>1</sup> mm	280
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 <sup>1</sup> mm	295

Mechanical stability, V2F test, 144 hrs	M
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	-
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	1-3
Lubrication ability, R2F test B at 120°C	Pass
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max.at 130°C
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 130°C

## Properties

DIN 51825 code	K3K-30
NLGI consistency class	3
Thickener	Lithium
Colour	Amber
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	125 mm <sup>2</sup> /s
Base oil viscosity DIN 51562 at 100 °C	12 mm <sup>2</sup> /s
Shelf life	5 year
Packsize	1 kg can
Available for single point lubrication	yes

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