

Klübergrease LFT 71-402

Special grease for low frictional torques in ball joints



Description

Klübergrease LFT 71-402 was especially designed for the lubrication of smooth-running ball joints. It is free of heavy metals and black solid lubricants. The semi-synthetic base oil is thickened with polyurea. Special additives increase adhesion on steel and plastic surfaces and enhance the dampening effect between friction bodies. You get lower breakaway and running torques of the joint than with standard greases. Klübergrease LFT 71-402 reduces the difference between static and dynamic friction in assembled joints, preventing stick-slip. Mutual reactions between sealings of polyurethane (PUR) or chloroprene rubber (CR) and Klübergrease LFT 71-402 are within the narrow limits specified by the users.

Applications

Klübergrease LFT 71-402 is suitable for sealed joints with steel/plastic material combinations subject to oscillating angular tilting and slewing motions and at the same time high-frequency vibrations.

Klübergrease LFT 71-402 was developed and approved for the lifetime-lubricated and smooth-running wheel joints, steering and tie rod joints, control arm and pot joints used in the automotive industry.

Application notes

Klübergrease LFT 71-402 can be applied to friction points by brush, grease gun or automatic metering.

Minimum shelf life

Minimum shelf life is approx. 24 months if the product is stored in the closed original pack in a dry place.

Pack sizes

25 kg hobcock
180 kg cask

Current material safety data sheets can be downloaded from our website www.klueber.com or requested from Klüber Lubrication.

- Semi-synthetic grease for lifetime-lubricated ball joints
- Reduces stick-slip
- Minimizes starting and running torques
- High corrosion protection under extreme conditions
- Good water resistance
- Free of heavy metals and black solid lubricants
- Approved acc. to VW-TL 721, ZF-Lemförder LMN 304 F, TRW 62015002

Product data

Colour	brown
Texture	homogeneous, fibrous
Density, at 20°C, [g/cm ³], approx.	0.90
Service temperature range*, [°C], approx.	-40 to 110
Drop point, DIN ISO 2176, [°C]	>165
Consistency grade, DIN 51818, NLGI	2
Apparent dynamic viscosity, Klüber viscosity grade **	M/S
Anti-corrosive effect of lubricating greases, DIN 51802, (test SFK-Emcor), 3 weeks, synthetic saltwater acc. to DIN 51585, corrosion rating, max.	2
Water resistance, DIN 51807 T01, 3h/90°C, rating	1-90
Lubricating grease flow pressure, DIN 51805, at -40°C, [mbar]	< 1,400

* Service temperatures are general approximations that will vary with lubricant composition, intended use and application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on mechanical and dynamical stress, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

**Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

The data in this product information is based on our general experience with technical experience. It constitutes neither an assurance product. We recommend contacting our Technical Consulting Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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