



## Lubricating greases

In the area of lubricating greases it is also true that extremes are a challenge for us. FUCHS LUBRITECH lubricating greases are effectively used in all industrial areas. Wherever traditional lubricants, for whatever reason, do not fulfil the requirements or simply do not work in the best possible way, we see benefits in using our high-performance greases. The spectrum ranges from long-life greases for mechanical engineering, biodegradable lubricating greases for environ-

mentally-sensitive areas, to high and exceptionally high-temperature greases for use in extreme operating conditions. Numerous approvals for use and testimonials from users confirm the high efficiency and reliability of FUCHS LUBRITECH greases. Hidden behind the product names are highly-developed and tested lubricating greases, which care for our customers' machinery and plants in the best possible way.

## Plain and roller bearing greases for temperatures up to +140°C

### LAGERMEISTER 3000 PLUS

#### Heavy-duty, extremely water-resistant EP long-term grease

For all plain and roller bearings, on which there are high dynamic loads, e.g. in industry, construction and agricultural machinery. It provides excellent resistance to water and salt water as well as extremely good adhesive properties.

**Approvals/Recommendations:** Baier + Köppel, Dellner Couplers, Josef Fröhling, Lincoln

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
greenish	semi-synthetic	Ca	-	-30 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KP2K-30	2	800		> 140

### LAGERMEISTER BF 1 • BF 2

#### EP long-term greases

Universal greases for plain and roller bearings in mechanical engineering, the chemical industry and construction machines. For varying loads and speeds.

**Approvals/Recommendations:** Baier + Köppel, General Motors, KHD Humboldt Wedag International, Maschinenfabrik Köppern, Outotec, Salzgitter Maschinenbau (SMAG), SMS Meer, ThyssenKrupp Rothe Erde

Base oil	Thickener	Solid lubricants		Temperature range in °C		
mineral oil	Li	-		-20 / +120		
		Colour	Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
LAGERMEISTER BF 1		brown	KPIK-20	1	220	185
LAGERMEISTER BF 2		natural colour yellowish	KP2K-20	2	200	190

### LAGERMEISTER CA 95/100 N

#### Water-resistant grease with graphite

For underwater lubrication of plain and roller bearings on vertical lift and lock gates, large sprocket chains, closing elements in sewage plants, cable wheel mounts on dredgers etc.

**Approvals/Recommendations:** KIROW ARDEL, ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
black	mineral oil	Ca	C	-30 / +60
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
MF2C-30	2	90		100

## LAGERMEISTER EP 2

### Long-life EP grease

For lubrication of plain and roller bearings subject to high and shock loads, temperature fluctuations and difficult environmental conditions in, for example general engineering, the chemical industry, iron and steel industries, construction machinery or automobile industries.

**Approvals/Recommendations:** Baier + Köppel, Liebherr-International Deutschland, Lincoln, Terex Germany, ThyssenKrupp Rothe Erde, Wather Flender

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
natural colour	mineral oil	Li	-	-20 / +130
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KP2K-20	2	200		190

## LAGERMEISTER HDG 00

### High-performance EP grease with semi-fluid white solid lubricants

For lubrication of machine elements in the mixed friction area, such as roller and plain bearings subjected to high pressure, intermittent loads and vibrating or oscillating movements. It is particularly appropriate if the surrounding area involves high humidity or the effects of splash water.

**Approvals/Recommendations:** Baier + Köppel, Liebherr-International Deutschland, Lincoln, Terex Germany, ThyssenKrupp Rothe Erde, Wather Flender

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
beige	mineral oil	Ca-X	white	-30 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
K/GPF00K-30	00	350		> 240

## LAGERMEISTER SL • SLG

### Plain and roller bearing lubrication

For lubrication of plain and roller bearings at normal operating temperatures in mechanical engineering, and conveyors. It is also suitable as a chassis and sealing grease.

Base oil	Thickener	Drop point in °C		Base oil viscosity at 40°C [mm²/s]	
mineral oil	Li	190		100	
	Colour	Classification	NLGI-grade	Solid lubricants	Temperature range in °C
LAGERMEISTER SL	beige	K2-3K-20	2-3	-	-20 / +120
LAGERMEISTER SLG	grey-black	KF2K-30	2	graphite	-30 / +120

## LAGERMEISTER TS

### Semi-synthetic high-performance roller bearing grease

For plain and roller bearings under difficult operating conditions. Especially recommended for high pressures and low revolutions per minute. Allows longer regreasing intervals when compared to conventional greases. Very good adhesive properties.

**Approvals/Recommendations:** DB-Mat.-Nr. 245467, KHD Humboldt Wedag International, R.STAHL, Zeppelin Baumaschinen

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
natural colour	semi-synthetic	Li	-	-30 / +140
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KP2N-30	2	800		190

## LAGERMEISTER WHS 2002

### High-performance EP grease with white solid lubricants

For plain and roller bearings operating under extreme conditions (dust, water, vibrations), e.g. conveyors, construction machines, raw material processing machines. For lubrication of plastic crosshead guides on telescopic cranes. Also available as fluid

**Approvals/Recommendations:** DB-Mat.-Nr. 685377+685382, Terex Germany, Zeppelin Baumaschinen

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
white	mineral oil	Li	white	-20 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KPF1-2K-20	1-2	320		190

## STABYL HD

### EP heavy-duty grease

For heavy-duty roller bearings under extreme operating conditions in heavy machine construction and in the cement and raw materials industry.

**Approvals/Recommendations:** KHD Humboldt Wedag International, Koyo Australia, Loesche, Maschinenfabrik Köppern, Outotec, Schaeffler Technologies (FAG), ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
grey-black	mineral oil	Li	C, MoS <sub>2</sub>	-10 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KPF2K-10	2	1000		190

**STABYL L 120****EP multipurpose grease**

For plain and roller bearing lubrication at high loads, temperature fluctuations and difficult environmental conditions, esp. for the chemical industry, hydraulic steel engineering and construction machinery.

**Approvals/Recommendations:** AUMUND Fördertechnik, KHD Humboldt Wedag International, Salzgitter Maschinenbau (SMAG), Sandvik, SMS Meer, ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
natural colour	mineral oil	Li	-	-20 / +130
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KP2-3K-20	2-3	200		190

**STABYL L-TS MO****MoS<sub>2</sub>-containing semi-synthetic heavy-duty grease**

For plain and roller bearings under difficult operating conditions. Especially recommended for high pressures and low speeds. Allows longer regreasing intervals when compared to conventional greases.

**Approvals/Recommendations:** KHD Humboldt Wedag International, Komatsu Mining Germany, Loesche, SMS Meer, ThyssenKrupp, Rothe Erde

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
black	semi-synthetic	Li	MoS <sub>2</sub>	-30 / +140
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KPF2N-30	2	800		190

**STABYL MO 500****MoS<sub>2</sub>-containing long-term grease**

For plain and roller bearings of all types subjected to continuous high mechanical loads. Mechanical engineering industry, chemical industry, iron and steel works, construction machines and automotive industry.

**Approvals/Recommendations:** China National Materials (Sinoma), ThyssenKrupp Resource Technologies, Zeppelin Baumaschinen

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
grey-black	mineral oil	Li	MoS <sub>2</sub>	-25 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]		Drop point in °C
KPF2-3K-25	2-3	110		190

## Plain and roller bearing greases for extreme temperatures

**LAGERMEISTER CX EP 2****Calcium complex-soap grease**

For lubricating plain and roller bearings on all types of machines, particularly those operating under high pressure and temperature loads, whenever moisture or water is present as well as whenever there is a danger of fretting corrosion.

**Approvals/Recommendations:** AUMUND Fördertechnik, General Motors

Colour	Base oil	Thickener	Temperature range in °C
natural colour	mineral oil	Ca-X	-30 / +150
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KP2N-30	2	120	> 250

**LAGERMEISTER LX EP 2****Long-life EP grease**

For lubrication of heavily loaded plain and roller bearings of any kind of construction machinery, especially under difficult operating conditions such as high loads and increased temperatures.

**Approvals/Recommendations:** Gebr. Pfeiffer, KHD Humboldt Wedag International, SHW-Werkzeugmaschinen

Colour	Base oil	Thickener	Temperature range in °C
natural colour	mineral oil	Li-X	-30 / +160
Classification	NLGI-grade	Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	Drop point in °C
KP2P-30	2	120	> 250

**LAGERMEISTER XXL****Special long-term grease with extremely wide application range**

Ideally suited for the lubrication of highly-loaded plain and roller bearings on all kinds of construction machinery, especially under harsh operating conditions, high loads and increased temperatures. Allows reduced number of lubricants and increased regreasing intervals.

Colour	Base oil	Thickener	Temperature range in °C
yellowish-brown	mineral oil	special	-30 / +160
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KP2P-30	2	180	290

**Approvals/Recommendations:** FLSmidth, KHD Humboldt Wedag International,  
Loesche, Sandvik, SMS Meer, Zeppelin Baumaschinen

**STABYL 300 AL 1 • 2****Aluminium complex soap EP greases with graphite**

For plain and roller bearings, guides at highest loads, high temperatures and considerable temperature fluctuations, e.g. in raw materials industry, iron and steel works, chemical industry, sintering plants, calanders, extruders.

Colour	Base oil	Thickener	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]
grey-black	mineral oil	Al-X	-20 / +150	320
		Classification	NLGI-grade	Drop point in °C
STABYL 300 AL 1		KPF1P-20	1	260
STABYL 300 AL 2		KPF2P-20	2	270

**STABYL AX 1 • 2****Aluminium complex soap EP greases**

Universal greases for many applications at highest specific loads, high temperatures and and considerable temperature fluctuations. Particularly suitable for central lubrication systems with long feed lines and low diameters.

Colour	Base oil	Thickener	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]
brown	mineral oil	Al-X	-20 / +150	320
		Classification	NLGI-grade	Drop point in °C
STABYL AX 1		KP1P-20	1	260
STABYL AX 2		KP2P-20	2	270

**Approvals/Recommendations:** Palfinger systems, Sprimag Spritzmaschinenbau

**STABYL EHT 2****High-temperature long-term grease for heavy-duty plain and roller bearings**

Long-life lubrication of plain and roller bearings subjected to heavy-duty thermal and mechanical loads, e.g. in drying plants, conveying and transportation equipment, film stretching machines etc.

Colour	Base oil	Thickener	Temperature range in °C
beige	synthetic	PTFE	-20 / +220
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPE1-2T-20	1-2	160	> 270

**Approvals/Recommendations:** Bernd Münstermann

**STABYL EOS E 2****Fully synthetic high-performance grease, especially for use in wind turbines**

For lubrication of heavy-duty plain and roller bearings in all types of wind turbines. Has a wide operating temperature range, high mechanical stability, pronounced load bearing capacity and excellent corrosion protection properties. It can be used both for the lubrication of rotor bearings as well as for the blade and azimuth bearings.

Colour	Base oil	Thickener	Temperature range in °C
natural colour	synthetic	Li	-40 / +130
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPE1-2K-40	1-2	320	>190

**Approvals/Recommendations:** General Electric, IMO, Jungblut wind elements, KENERSYS, ThyssenKrupp Rothe Erde, ZS Schmieranlagen

**STABYL LT 50****Fully synthetic low-temperature grease**

For plain and roller bearings at low temperatures. Meets TL-VW 778 version A.

**Approvals/Recommendations:** FLSmidth, IMO, Komatsu Mining Germany, Terex Germany, ThyssenKrupp Resource Technologies, ThyssenKrupp Rothe Erde

Colour	Base oil	Thickener	Temperature range in °C
natural colour	synthetic	Li	-50 / +130
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPHC2N-50	2	105	190

**URETHYN 160****High-temperature grease with excellent corrosion protection**

For lubrication of plain and roller bearings under difficult conditions in the chemical industry, the steel industry, in mining and in general engineering. For use in ventilators, electric motors, car wheel bearings, clutch bearings, decanter bearings, tread rollers of drying plants etc.

Colour	Base oil	Thickener	Temperature range in °C
yellow-brown	mineral oil	organic	-20 / +160
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KP2-3P-20	2-3	320	> 220

**Approvals/Recommendations:** ANDRITZ, ATEK Antriebstechnik Willi Glapiak

**URETHYN CC 2-1****Steel works grease acc. to SEB 181 255**

For plain and roller bearings operating under the influence of temperature and humidity, e.g. roller bed bearings in continuous casting as well as in the steel and raw materials industry etc.

Colour	Base oil	Thickener	Temperature range in °C
yellowish-brown	mineral oil	organic	-20 / +180
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KP1R-20	1	460	> 230

**URETHYN E 2****Fully synthetic polyurea high-temperature grease**

For long-life or lifetime lubrication of thermally highly loaded plain and roller bearings in the chemical industry, textile industry, conveying and drying equipment as well as in KTL installations in the automotive industry.

**Approvals/Recommendations:** Daimler, Eisenmann, EVG Lufttechnik, Sprimag Spritzmaschinenbau

Colour	Base oil	Thickener	Temperature range in °C
cream-coloured	synthetic	organic	-20 / +200
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPE1-2S-20	1-2	100	290

**URETHYN E/M 1 • 2****Semi-synthetic polyurea high-temperature greases**

Long-life lubrication of plain and roller bearings, e.g. electric motor bearings in textile machines, ventilator bearings in dryers and kilns, spindle bearings. Lubrication of plastics, elastomers and sealing elements.

**Approvals/Recommendations:** ANDRITZ, Bosch Rexroth, KHD Humboldt Wedag International, NEFF Gewindetriebe

Colour	Base oil	Thickener	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
beige	semi-synthetic	organic	-20 / +180	150	260
			Classification	NLGI-grade	
URETHYN E/M 1			KPE1R-20	1	
URETHYN E/M 2			KPE2R-20	2	

**URETHYN HG 0****Solid lubricant containing polyurea grease with an extremely wide operating temperature range**

For lubrication of heavy-duty hinges, joints and other connecting elements. It offers safe long-term lubrication of steel/steel sliding surfaces subject to considerable temperature fluctuations and ensures very good corrosion protection. Particularly suitable for lubrication of sintered metals and heavy-duty plain and antifriction bearings at extremely low operating temperatures. The pumpability in central lubrication systems is tested down to 50°C.

**Approvals/Recommendations:** Komatsu Mining Germany, Liebherr-International Deutschland, Terex Germany

Colour	Base oil	Thickener	Temperature range in °C
light beige	synthetic	organic	-50 / +200
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
-	0	40	> 280

**URETHYN LT 60****Fully synthetic polyurea low-temperature grease**

For plain and roller bearings, guides, Open Gears on equipment in the low temperature range, e.g. machines and installations operating outdoors in winter service, snow rollers, cable cars, transport installations in cold-storage depots, outdoor escalators. Also suitable for high-speed roller bearings.

**Approvals/Recommendations:** Salzgitter Maschinenbau (SMAG), Sprimag Spritzmaschinenbau

Colour	Base oil	Thickener	Temperature range in °C
light yellow	synthetic	organic	-50 / +140
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KE1N-50	1	23	280

**URETHYN XHD 2****Fully synthetic polyurea grease**

Smooth, fully synthetic polyurea grease for extreme conditions, such as alternating speeds, temperatures and loads. URETHYN XHD 2 is especially suitable for bearings of large-size generators of wind turbines and thermally and mechanically highly loaded bearings in various industrial applications.

Colour	Base oil	Thickener	Temperature range in °C
beige	synthetic	organic	-40 / +180
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPFHC2R-40	2	290	>260



## URETHYN MP 1 • 2

**Mineral oil-based high-temperature polyurea greases**

For plain and roller bearings at high temperatures, e.g. long-life lubrication of roller bearings in electric machines, ventilator bearings, conveyor roller bearings in continuous steel casting plants, pump, blower and compressor equipment.

**Approvals/Recommendations:** FLSmidth, Josef Fröhling, Loesche, Salzhausener Maschinenbautechnik SALMATEC, Sandvik, SMS Meer, ThyssenKrupp Resource Technologies, Zeppelin Baumaschinen

Colour	Base oil	Thickener	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]
yellowish-brown	mineral oil	organic	-20 / +180	460
		Classification	NLGI-grade	Drop point in °C
URETHYN MP 1		KP1R-20	1	220
URETHYN MP 2		KP2R-20	2	230

## Eco-friendly lubricating greases

## LAGERMEISTER ECO 2

**Eco-friendly EP multipurpose grease**

For open lubrication points on construction machinery and agricultural equipment, such as wire ropes, small Open Gears, plain bearings, swivelling bolts, sliding guides and roller bearings which require an eco-friendly lubricant.

**Approvals/Recommendations:** Terex Germany

Colour	Base oil	Thickener	Temperature range in °C
light beige	synthetic	Ca	-30 / +80
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPF2E-30	2	36	> 140

## STABYL ECO 00

**Eco-friendly semi-fluid EP grease for central lubrication systems**

For central lubrication systems, also at low temperatures, e.g. of commercial vehicles of all kinds such as busses, trucks, construction vehicles.

**Approvals/Recommendations:** MAN, SKF

Colour	Base oil	Thickener	Temperature range in °C
green	synthetic	Li/Ca	-40 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPE00-000K-40	00-000	100	> 150

## STABYL ECO EP 2

**Eco-friendly EP universal grease**

For highly loaded plain and roller bearings in mechanical engineering, hydraulic steel construction, inland navigation and in municipal areas (e.g. waste water treatment). For total-loss lubrication, where excess grease and displaced grease may penetrate into soil or ground water.

**Approvals/Recommendations:** Baier + Köppel, KHD Humboldt Wedag International, Lincoln, MAN, Sandvik, Terex Germany, ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Temperature range in °C
beige	synthetic	Li/Ca	-40 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KPE2K-40	2	105	> 170

## STABYL ECO S 12 • ECO S 12 G

**Eco-friendly EP universal grease with solid lubricants**

For heavy-duty plain and roller bearings in mechanical engineering, hydraulic steel construction, waste water processing and wherever water, ground-water or soil are endangered by the use of mineral oil-based products.

**Approvals/Recommendations:** ThyssenKrupp Rothe Erde

Base oil	Thickener	Base oil viscosity at 40°C [mm²/s]	Drop point in °C	Temperature range in °C
synthetic	Li	320	> 190	-40 / +130
		Colour	NLGI-grade	Classification
STABYL ECO S 12		natural colour	2	KPE2K-40
STABYL ECO S 12 G		grey-black	1-2	KPFE1-2K-40

## Other greases for special applications

## gleitmo 577 A • C

**Special synthetic greases with white solid lubricants**

Special lubricating greases based on a synthetic oil and specially selected white solid lubricants for reducing friction and wear with the material pairings plastic/plastic, plastic/metal and rubber-elastomer/metal. gleitmo 577 A and gleitmo 577 C are used to lubricate O-rings seals, plastic adjustment devices and shock absorber seals.

Colour	Base oil	Thickener	Base oil viscosity at 40°C [mm²/s]	Temperature range in °C
yellow, opaque	synthetic	inorganic	85	-40 / +180
		NLGI-grade		
gleitmo 577 A		1		
gleitmo 577 C		00		

**Approvals/Recommendations:** gleitmo 577 A meets VW TL 52 160



## CHEMPLEX SI 300 medium • heavy

### Low-temperature silicone greases

For use as low-temperature grease, particularly for electrical, electronic and precision engineering devices. For plastic/plastic or elastomer/metal pairings, e.g. in flexible rubber/metal connections. Recommended for reinforcing the sealing effect and lubrication of rotary shaft seals, packing rings, O-rings and other seals as well as for lubrication of bellows.

Colour	Base oil	Thickener	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
white	Silicone	Li	70	215
			Classification	Temperature range in °C
			NLGI-grade	
CHEMPLEX SI 300 medium			KSI2P-70	2
CHEMPLEX SI 300 heavy			KSI3P-60	3
				-70 / +160
				-60 / +160

## CHEMPLEX SI 400 light •

### High-temperature silicone greases

For light to normally loaded plain and roller bearings, e.g. in electric motors, fans, dryers, control devices and household equipment as well as for guides, joints and light-duty conveyor chains.

Colour	Base oil	Thickener	Temperature range in °C	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
yellowish	Silicone	Li	-30 / +180	80	> 210
			Classification	NLGI-grade	
CHEMPLEX SI 400 light			KSI1R-30	1	
CHEMPLEX SI 400 medium			KSI2R-30	2	

## CHEMPLEX SI 410 medium

### Silicone grease with calcium thickener

For lubrication of light-duty bearings, particularly valves, O-rings and similar lubrication points.

**Approvals/Recommendations:** Drinking water approval acc. to UBA guideline

Colour	Base oil	Thickener	Temperature range in °C
whitish	Silicone	Ca	-40 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KSI2K-50	2	750	approx. 140

## CHEMPLEX SI 511 fluid • light •

### High-temperature silicone greases with polyurea thickener

For high-temperature applications such as in wheel hubs of wagons in brickworks, hot air ventilators, conveying devices and door hinges in drying furnaces, foundries, control and monitoring equipment in vulcanising works.

Colour	Base oil	Thickener	Base oil viscosity at 40°C [mm²/s]
beige	Silicone	organic	80
			Classification
			Temperature range in °C
			NLGI-grade
			Drop point in °C
CHEMPLEX SI 511 fluid			KSI00S-40
CHEMPLEX SI 511 light			KSI1S-40
CHEMPLEX SI 511 medium			KSI2S-30
			-40 / +200
			-40 / +200
			-30 / +200
			00
			1
			2
			-
			> 250
			> 280

## CHEMPLEX SI-LK 2

### Lithium complex soap-based specialty silicone grease

Particularly suitable for long-life lubrication of steel/plastic, plastic/plastic and steel/rubber material pairings. Good load carrying capacity due to white solid lubricants.

Colour	Base oil	Thickener	Temperature range in °C
white	Silicone	Li-X	-50 / +200
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
KFSI2-3S-50	2-3	190	> 270

## SILICONFETT 300 MITTEL/BLQ

### Low-temperature silicone grease, bridge bearing quality

Used for plain bearings of bridges, sliding plates and other plastic/metal sliding pairs (officially tested quality).

**Approvals/Recommendations:** MPA Stuttgart (material testing institute of Stuttgart university).

Colour	Base oil	Thickener	Temperature range in °C
white	Silicone	Li	-70 / +160
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
-	2	70	215

## gleitmo 591

### Extreme-temperature PFPE/PTFE-based lubricant

For plain and roller bearings at the highest temperatures, e.g. in fans, electric motors, transport chains and centrifuge bearings.

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
white	synthetic	PTFE	white	-25 / +260
NLGI-grade <sup>1)</sup>	Base oil viscosity at 40°C [mm²/s]		Drop point in °C	
2	510		none	

<sup>1)</sup> Also available: NLGI-grades 00, 1, 3

## gleitmo 593

### Extreme-temperature PFPE/PTFE-based lubricant

For roller bearings of low-speed conveyor chains in textile finishing plants, in drying and enamelling ovens.

Colour	Base oil	Thickener	Solid lubricants	Temperature range in °C
white	synthetic	PTFE	white	-25 / +250
NLGI-grade <sup>2)</sup>	Base oil viscosity at 40°C [mm²/s]		Drop point in °C	
2	510		none	

<sup>2)</sup> Also available: NLGI-grades 1, 3

## Lubricating greases for rail traffic

## LOCOLUB ECO

### Eco-friendly wheel flange lubricant

For wheel flange lubrication on railroad vehicles of all kinds and on portal cranes.

**Approvals/Recommendations:** Baier + Köppel, DB-Mat.-Nr. 517718, ÖBB-Personenverkehr, REBS Zentralschmiertechnik

Colour	Base oil	Thickener
dark-grey	synthetic	inorganic
Solid lubricants	Temperature range in °C	NLGI-grade
Combination	-30 / +80	000

## TRAMLUB F 234 MOD 2

### Eco-friendly wheel flange lubricant

For rail and wheel flange lubrication of railroad vehicles.

**Approvals/Recommendations:** Baier + Köppel, DB-Mat.-Nr. 106192, REBS Zentralschmiertechnik, Siemens

Colour	Base oil	Thickener
ivory-coloured	semi-synthetic	inorganic
Solid lubricants	Temperature range in °C	NLGI-grade
white	-25 / +150	000

## TRAMLUB SSM ECO

### Eco-friendly grease to lubricate rail flanks

Designed for the lubrication of running edges and flanks of rails used by rail-borne traffic and serves to reduce friction and wear in the wheel/rail contact area.

**Approvals/Recommendations:** CEMAFER Gleisbaumaschinen und -geräte, DB-Mat.-Nr. 783667, Schreck-Mieves

Colour	Base oil	Thickener
grey	synthetic	Li
Solid lubricants	Temperature range in °C	NLGI-grade
Combination	-40 / +120	1-2

## TRAMLUB F 234 G

### Eco-friendly semi-fluid grease to lubricate rail flanks

For lubrication of rails and wheel flanges of railway vehicles as well as for switch lubrication.

**Approvals/Recommendations:** DB-Mat.-Nr. 519764

Colour	Base oil	Thickener
black	synthetic	inorganic
Solid lubricants	Temperature range in °C	NLGI-grade
C	-30 / +100	00

## TRAMLUB 384 G PLUS

### Eco-friendly semi-fluid grease for switch lubrication

For sliding surfaces on switch points in marshalling yards on standard gauge railways, underground and regional express railways, tramways and industrial railways.

Colour	Base oil	Thickener
dark-grey	synthetic	inorganic
Solid lubricants	Temperature range in °C	NLGI-grade
C	-35 / +100	< 000

**TRAM-SILENCE • 00****Eco-friendly railhead treatment agents to minimise the risk of squealing**

Is applied sparsely to the railhead in order to fight squealing noises in tracks with extreme curves.

**Approvals/Recommendations:** Baier + Köppel, CEMAFER Gleisbaumaschinen und -geräte, Lincoln, REBS Zentralschmiertechnik

Colour	Drop point in °C	Temperature range in °C	Solid lubricants
grey-black	none	-20 / +80	-
		Base oil	Thickener
TRAM-SILENCE		native	special
TRAM-SILENCE 00		synthetic	inorganic
		NLGI-grade	
		0	
		00	

**Semi-fluid greases****GEARMASTER LI 400****Semi-synthetic, semi-fluid gear grease**

For gear motors on DIY equipment and machine tools as well as for all types of small gears.

**Approvals/Recommendations:** Ammann Verdichtung, bielomatik Leuze, KHD Humboldt Wedag International, Maschinenfabrik Köppern, Outotec, SMS Meer, ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Temperature range in °C
brown	semi-synthetic	Li-X	-30 / +140
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GP00N-30	00	150	> 200

**GEARMASTER LXG 00****Fully synthetic semi-fluid gear grease**

For lubrication of gears of a high power density. Sealing grease for struts in shock absorbers.

**Approvals/Recommendations:** bielomatik Leuze, ThyssenKrupp Resource Technologies

Colour	Base oil	Thickener	Temperature range in °C
yellowish	synthetic	Li-X	-40 / +160
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GPHC00P-40	00	180	220

**GEARMASTER ZSA****Smooth mineral oil-based semi-fluid grease**

For all lubrication points in commercial vehicles which are supplied by central lubrication systems.

**Approvals/Recommendations:** bielomatik Leuze, MAN, Zeppelin Baumaschinen

Colour	Base oil	Thickener	Temperature range in °C
green	mineral oil	Li	-40 / +120
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GP000K-40	000	45	160

**URETHYN GE 00****Fully synthetic polyurea semi-fluid gear grease**

Is used in fast-running small gears. It is characterised by a high mechanical and thermal stability as well as its compatibility with sealings and by its neutrality towards non-ferrous and light metals.

Colour	Base oil	Thickener	Temperature range in °C
beige	synthetic	organic	-40 / +160
Classification	NLGI-grade	Base oil viscosity at 40°C [mm²/s]	Drop point in °C
GPHC00P-40	00	180	> 260

