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 environmentally-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

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

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 ARDELT, ThyssenKrupp Resource Technologies
## 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, ThyssenKrupp Rothe Erde, Wather Flender

### Properties

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>natural colour</td>
<td>mineral oil</td>
<td>Li</td>
<td>-</td>
<td>-20 / +130</td>
</tr>
</tbody>
</table>

### Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>NLGI-grade</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>KF2K-20</td>
<td>2</td>
<td>200</td>
<td>190</td>
</tr>
</tbody>
</table>

## 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 subject 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.

### Properties

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>beige</td>
<td>mineral oil</td>
<td>CaX</td>
<td>white</td>
<td>-30 / +120</td>
</tr>
</tbody>
</table>

### Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>NLGI-grade</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>KGPFH00K-30</td>
<td>00</td>
<td>350</td>
<td>&gt; 240</td>
</tr>
</tbody>
</table>

## 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.

### Properties

<table>
<thead>
<tr>
<th>Base oil</th>
<th>Thickener</th>
<th>Drop point in °C</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>mineral oil</td>
<td>Li</td>
<td>190</td>
<td>100</td>
</tr>
</tbody>
</table>

### Classification

<table>
<thead>
<tr>
<th>Colour</th>
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<th>NLGI-grade</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAGERMEISTER SL</td>
<td>beige</td>
<td>K2-3K-20</td>
<td>2-3</td>
<td>-</td>
</tr>
<tr>
<td>LAGERMEISTER SLG</td>
<td>grey-black</td>
<td>KF2K-30</td>
<td>2</td>
<td>graphite</td>
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</tbody>
</table>

## 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

### Properties

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>natural colour</td>
<td>semi-synthetic</td>
<td>Li</td>
<td>-</td>
<td>-30 / +140</td>
</tr>
</tbody>
</table>

### Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>NLGI-grade</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>KF2K-30</td>
<td>2</td>
<td>800</td>
<td>190</td>
</tr>
</tbody>
</table>

## 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

### Properties

<table>
<thead>
<tr>
<th>Colour</th>
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<th>Temperature range in °C</th>
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<tbody>
<tr>
<td>white</td>
<td>mineral oil</td>
<td>Li</td>
<td>white</td>
<td>-20 / +120</td>
</tr>
</tbody>
</table>

### Classification

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<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>KF2K-2K-20</td>
<td>1-2</td>
<td>320</td>
<td>190</td>
</tr>
</tbody>
</table>

## 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
**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

<table>
<thead>
<tr>
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<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>natural colour</td>
<td>mineral oil</td>
<td>Li</td>
<td>MoS₂</td>
<td>-20 / +130</td>
</tr>
</tbody>
</table>

**STABYL L-TS MO**

**MoS₂-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

<table>
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<tr>
<th>Colour</th>
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<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>black</td>
<td>semi-synthetic</td>
<td>Li</td>
<td>MoS₂</td>
<td>-30 / +140</td>
</tr>
</tbody>
</table>

**STABYL MO 500**

**MoS₂-containing long-term grease**
For plain and roller bearings of all types subjected to continuous high mechanical loads. Mechanical engineering, chemical industry, iron and steel works, construction machines and automotive industry.

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

**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

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>natural colour</td>
<td>mineral oil</td>
<td>CaX</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-30 / +150</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
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<th>Base oil</th>
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<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>natural colour</td>
<td>mineral oil</td>
<td>LiX</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-30 / +160</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellowish-brown</td>
<td>mineral oil</td>
<td>special</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-30 / +160</td>
</tr>
</tbody>
</table>

---

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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Temperature range in °C</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>grey-black</td>
<td>mineral oil</td>
<td>Al2O3</td>
<td>20 / +150</td>
<td>320</td>
</tr>
</tbody>
</table>

**STABYL 300 AL 1**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Temperature range in °C</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP30P-20</td>
<td>mineral oil</td>
<td>PTFE</td>
<td>1</td>
<td>260</td>
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</tbody>
</table>

**STABYL 300 AL 2**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Temperature range in °C</th>
<th>Base oil viscosity at 40 °C (mm²/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP30P-20</td>
<td>mineral oil</td>
<td>PTFE</td>
<td>2</td>
<td>270</td>
</tr>
</tbody>
</table>

**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.

**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.

**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.

**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

**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.

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

Plain and roller bearing greases for extreme temperatures

**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.

**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

**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

**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 anti-friction 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

**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

**URETHYN XHD 2**

Fully synthetic polyurea grease

Smooth, fully synthetic polyurea grease for extreme conditions, such as alternating speeds, temperatures and loads. URETHYN XHD2 is especially suitable for bearings of large-size generators of wind turbines and thermally and mechanically highly loaded bearings in various industrial applications.
**LUBRICATING GREASES**

**Plain and roller bearing greases for extreme temperatures**

**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, Salzhauser Maschinenbautechnik SALTICE, Sandvik, SMS Meer, ThyssenKrupp Resource Technologies, Zeppelin Baumaschinen

**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

**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 buses, trucks, construction vehicles.

**Approvals/Recommendations:** MAN, SKF

**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

**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, groundwater or soil are endangered by the use of mineral oil-based products.

**Approvals/Recommendations:** ThyssenKrupp Rothe Erde

**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.
Plain and roller bearing greases for extreme temperatures

Approvals/Recommendations: gleitmo 577 A meets VW TL 52 160
Extreme temperature greases, chemically resistant

**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.

**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.

**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

**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.

**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.

**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).
**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.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thicker</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>white</td>
<td>synthetic</td>
<td>PTFE</td>
<td>white</td>
<td>-25 / +260</td>
</tr>
</tbody>
</table>

NLGI-grade

<table>
<thead>
<tr>
<th>2</th>
<th>Base oil viscosity at 40 °C [mm²/s]</th>
<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

1) 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.

<table>
<thead>
<tr>
<th>Colour</th>
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<th>Thicker</th>
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<th>Temperature range in °C</th>
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<tbody>
<tr>
<td>white</td>
<td>synthetic</td>
<td>PTFE</td>
<td>white</td>
<td>-25 / +250</td>
</tr>
</tbody>
</table>

NLGI-grade

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<tr>
<th>2</th>
<th>Base oil viscosity at 40 °C [mm²/s]</th>
<th>Drop point in °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

2) 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

<table>
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<tr>
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<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
<th>NLGI-grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>dark-grey</td>
<td>synthetic</td>
<td>inorganic</td>
<td></td>
<td>-30 / +80</td>
<td>000</td>
</tr>
</tbody>
</table>

**TRAMLAB 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

<table>
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<th>Solid lubricants</th>
<th>Temperature range in °C</th>
<th>NLGI-grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ivory-coloured</td>
<td>semi-synthetic</td>
<td>inorganic</td>
<td></td>
<td>-25 / +150</td>
<td>000</td>
</tr>
</tbody>
</table>

**TRAMLAB 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:** CEMAFAER Gleisbaumaschinen und -geräte, DB-Mat.-Nr. 783667, Schreck-Mieves

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
<th>NLGI-grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>grey</td>
<td>synthetic</td>
<td>Li</td>
<td></td>
<td>-40 / +120</td>
<td>1-2</td>
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</table>

**TRAMLAB 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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Base oil</th>
<th>Thickener</th>
<th>Solid lubricants</th>
<th>Temperature range in °C</th>
<th>NLGI-grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>black</td>
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<td>inorganic</td>
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</tbody>
</table>

**TRAMLAB 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.
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, CEMAER Gleisbaumaschinen
und -geräte, Lincoln, REBS Zentralschmiertechnik

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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

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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

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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

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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.