# LUBRICANTS OVERVIEW

## STAR-FLUID PLUS

*Synthetic lube oil for chains and sliding rails*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>can 1 l</th>
<th>container 5 l</th>
<th>container 20 l</th>
<th>barrel 200 l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72315-992</td>
<td>72273-615</td>
<td>72355-524</td>
<td>72303-127</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>6 pcs</td>
<td></td>
<td>6 pcs</td>
<td></td>
</tr>
</tbody>
</table>

## STAR-GREASE PLUS

*Lubricating grease for antifriction and friction bearings*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>can 1 kg</th>
<th>hobbock 25 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72273-610</td>
<td>72279-430</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>6 pcs</td>
<td></td>
</tr>
</tbody>
</table>

## STAR-GREASE SILK

*Lubricating grease for antifriction and friction bearings*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>can 0,5 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72279-450</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>6 pcs</td>
</tr>
</tbody>
</table>

## STAR-GREASE PREMIUM

*Lubricant for antifriction bearings*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>Euro-cartridge 400 ml (0,78 kg)</th>
<th>can 1 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72273-600</td>
<td>72380-071</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>10 pcs</td>
<td>6 pcs</td>
</tr>
</tbody>
</table>

## STAR-FLUID PLUS SPRAY

*Synthetic lube oil for open drives*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>sprayer 400 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72273-620</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>12 pcs</td>
</tr>
</tbody>
</table>

## STAR-FLUID DRY SPRAY

*Grease lubricant for open drives*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>sprayer 400 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72279-425</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>12 pcs</td>
</tr>
</tbody>
</table>

## STAR-FLUID SILK SPRAY

*Separating and sliding agent for textile finishing*

<table>
<thead>
<tr>
<th>Trading unit</th>
<th>sprayer 400 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code:</td>
<td>72279-445</td>
</tr>
<tr>
<td>Packing unit:</td>
<td>12 pcs</td>
</tr>
</tbody>
</table>
Depending on its use a lubricant may have many functions which are required solely or in combination. Not only the primary demands on the lubricant - maximum force transmission with minimum friction and minimum wear - but also often very different secondary demands have to be met such as water resistancy, chemical resistancy, corrosion protection or compatibility with plastic material.

Beside a periodical maintenance the adequate lubrication is of great importance for a long service life of the machines and components. Lubricants increase the service life and efficiency of machines by preventing friction, corrosion and thus premature wear.

Lubricants provide for a very good heat dissipation, attenuate vibrations, prevent the penetration of solid and liquid material at seals and reduce thus the repair and maintenance cost.

Each special lubricant has its particular purpose and therefore we recommend to contact our competent team to find together an expert and economical solution.

**Contact us!**

For more than 10 years we have our own STAR lubricants ensuring the optimum function and service life for your machine. Our lubricants are not only appropriate for BRÜCKNER machines but they can be used with perfect results also for the finishing lines of other producers and for other purposes. And they can be mixed according to our instructions with the lubricants of other make.

We offer you to check the chain samples of your BRÜCKNER machine free of charge and to provide you specific lubrication instructions and advice.
STAR-FLUID PLUS
Synthetic lube oil for chains and sliding rails

Characteristics
– Extremely adhesive and resistant chain oil for all chains, particularly for chain lubrication in dryers
– Temperature range: -20 °C to +300 °C
– Not considered as hazardous during transport
– Low tendency to evaporation
– Economical consumption
– Optimum wear protection
– Low formation of residues and fog with high temperatures
– Free of environmentally harmful heavy metals
– Good viscosity / temperature characteristics
– Can be mixed with Klüber Premium Fluid Spezial and Klüber Kettenöl Hotemp plus, CTH – 260 and with Optimol Viscogen KL 23

Application
– Chain and gliding rail lubrication

Application examples for Brückner machines
– Lubrication of the bolts of the transport chain
– Lubrication of the gliding rail of the transport chain
– Drip feed lubricator at the exit

STAR-GREASE PLUS
Lubricating grease for antifriction and friction bearings

Characteristics
– High-pressure lubricating grease for long-term / continuous lubrication of antifriction and friction bearings
– Good corrosion protection
– NLGI category 2
– Temperature range: -40 °C to +160 °C, for short periods up to +180 °C
– Contains no organic halogen compounds or heavy metals
– Not considered as hazardous during transport
– Very good milling stability and sealing effect
– Can be mixed with the following Klüber lubricants: Staburags B15 A, Staburags N12 MF, Petamo GHY 133, Petamo GY 193 and Optimol Firetemp XT 2

Application
– Bearings, ball bearings, roller bearings
– Rollers, couplings, articulated shafts, guidings, chain wheels

Application examples for Brückner machines
– Bearings of the cylinders, chain deflection wheels, fans
– Bearings of the circulating air and exhaust air fans with re-lubrication device
– Coupling at the plaiter
STAR-GREASE SILK

Lubricating grease for antifriction and friction bearings

Characteristics
– Lubricating grease for long-term / continuous lubrication based on silicone base oil
– Water-resistant
– NLGI category 2
– Temperature range: -40 °C to +230 °C, for short periods up to +250 °C
– Not considered as hazardous during transport
– Can be mixed with Klüber Unisilkon TK 44 N2

Application
– Long-term / continuous lubrication of antifriction and friction bearings

Application examples for Brückner machines
– Bearings within the dryer, for example bearings of support rollers in the hotflue POWER-COLOR- THERM, the POWER-CURIMA or the IR-Dryer POWER-INFRATHERM

STAR-GREASE PREMIUM

Lubricant for antifriction bearings

Characteristics
– High-temperature long-term lubricant for antifriction bearings
– Temperature range: -30 °C to +270 °C
– Not considered as hazardous during transport
– Neutral against all known materials (such as elastomeres, metals)
– Good corrosion protection
– Excellent wear protection characteristics
– Can be mixed with Klüber Barrierta L55/1 and Klüber Barrierta L55/2 and Optimol Inertox Heavy

Application
– Long-term lubricated antifriction bearings used in high temperature areas (for example for stenter chains requiring little maintenance)
– For first and re-lubrication

Application examples for Brückner machines
– All low-maintenance chains (SK 932, SK 935, SK 937, SK 950 und SK 952)
– Bearing of the guide rollers in the new hotflue POWER-COLOR THERM
– Threaded spindles of the width adjustment (with low maintenance spindle nuts with TORLON insert)

Please consider … the applicable operating and lubrication instructions of the machine!
STAR-FLUID PLUS SPRAY
Synthetic lube oil for open drives

Characteristics
- Synthetic lubricating oil
- Good creep characteristics
- High water and oxidation resistance
- Sprayable in all positions (after shaking)
- Free of FCKW
- Considered as hazardous during transport (compressed gas sprayer / aerosols)
- Highly flammable! (flame symbol F+)
- Can be mixed with Klüber Hotemp 2000 Spray and Klüber chain oil Hotemp Plus and Optimol Viscogen KL 23

Application
- Open drives such as chains, chain drives and tooth wheels
- Tooth rods, metal ropes, slideways, etc.

Application examples for Brückner machines
- Chains and chain drives
- Threaded spindles and bearings of the width adjustment
- Driving shaft in the exit
- Support bearings of the screen drum (automatic screen vacuuming / screen cleaning)
- Rods and bearings of the by-pass dampers
- Metal ropes in the fabric accumulator

Please consider … the applicable operating and lubrication instructions of the machine!

STAR-FLUID DRY SPRAY
Grease lubricant for open drives

Characteristics
- High-temperature creep and adhesive lubricant
- Grease lubricant with binder (bonded coating)
- Prevents lint and dirt binding
- Temperature range: -180 °C to +450 °C
- Free of FCKW
- Considered as hazardous during transport (compressed gas sprayer / aerosols)
- Highly flammable! (flame symbol F+)
- Can be mixed with Klüber Molybkombin UMF T4 Spray and Optimol Opticoating TF

Application
- Dry lubrication of sliding surfaces exposed to high temperatures

Application examples for Brückner machines
- Spindles and chain gears
- Spindles of the feeding drive
- Width adjustment:
  - Threaded spindle (do not use with low maintenance spindle nuts with TORLON insert)
  - Centre of the guiding bearing (do not use with low maintenance slide pieces)
  - Inner chain transmissions (for shaft of width adjusting gear)
STAR-FLUID SILK SPRAY
Separating and sliding agent for textile finishing

Characteristics
– Separating and gliding agent for textile finishing
– A thin separating film is sufficient
– No adhesion of avivages
– Does not gum, paste or coke, does not bond or polymerize
– No acidification
– Free of FCKW
– Considered as hazardous during transport (compressed gas sprayer / aerosols)
– Highly flammable! (flame symbol F+)
– Can be mixed with Klüber Unisikon M 2000 Spray and Optimol Optisol OL

Application
– Extremely stable separating film prevents the adhesion or caking of material

Application examples for Brückner machines
– Separating agent against avivage deposits or finish residues on pin bars and clip platforms
– Maintenance of the silicone sealings, prevents adhesion

WE ASSIST YOU WITH GREAT PLEASURE IN THE FIELD OF LUBRICANTS AND SPARE PARTS!

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We focus on the development of innovative and energy-efficient machinery as well as intelligent and environmentally compatible processes. Since 2011 we are therefore engaged in the VDMA (German Engineering Federation) sustainability initiative Blue Competence.