



GRUETZNER
AUTOMATIC LUBRICATION

PRODUCT CATALOGUE

AUTOMATIC LUBRICATION

Edition 09/2026

modern lubrication technology



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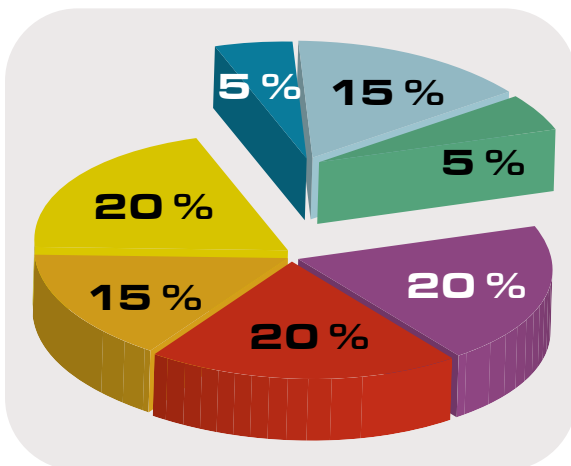
Gruetzner GmbH

Gruetzner GmbH has been your specialist for automatic lubrication systems and maintenance tools since 1993. Our user-friendly lubrication solutions are used in almost all areas of maintenance in every industry across the globe.

Our offerings also include various maintenance accessories for areas such as bearing mounting. Decades of experience make us a skilled contact for all matters relating to lubrication technology and maintenance tools.



Bearing damage and its causes



- old lubricant
- not enough lubricant
- unsuitable lubricant
- solid impurities
- liquid impurities
- incorrect construction & assembly
- consequential damage

Video: automatic lubrication



 **CLICK**

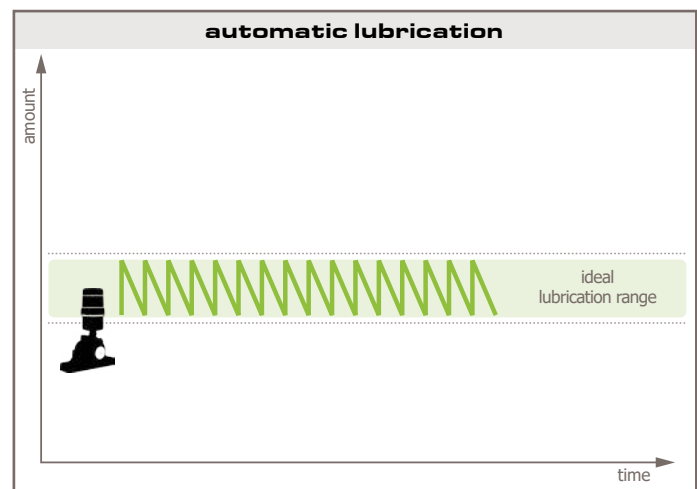
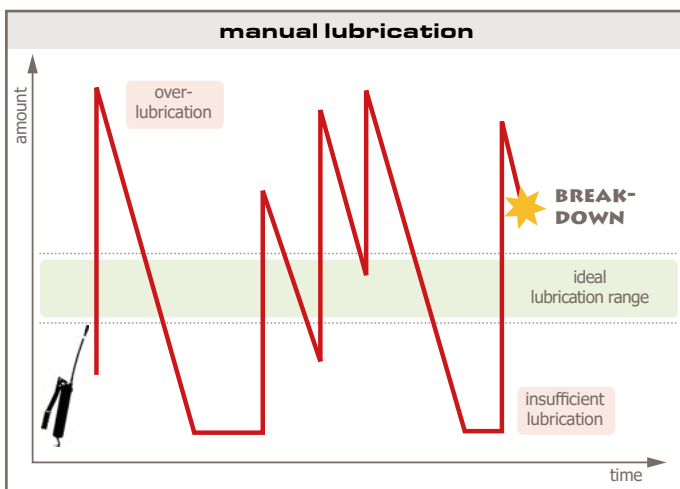
More than half of all unforeseen bearing malfunctions are lubricant related!

In 75% of cases, automatic lubricant dispensers help prevent bearing malfunction.

The benefits of automatic lubricators

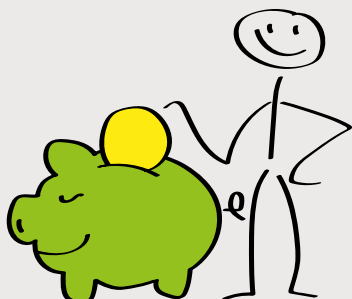
Automatic lubrication systems dispense small, precise amounts of lubricant at short, regular intervals.

The amount of time and personnel required for large plants, and machines located in hazardous areas mean that manual lubrication is often dangerous, impractical and expensive. Automatic lubrication systems as part of maintenance can resolve this issue.



Automatic lubrication systems prevent under- and over-lubrication, thus enhancing the service life of your machines.

Automatic lubrication...



...reduces your costs

- ✓ saves time
- ✓ fewer machine breakdowns due to decreased wear
- ✓ lower lubricant consumption
- ✓ increased service life of bearings

...protects the environment

- ✓ needs-based lubricant dosage
- ✓ low risk of impurities and contamination

...improves work safety

...enables monitoring and provides an overview

G LUBE



G-LUBE - cost-effective, reliable, safe, ecological

G-LUBE is an electronically controlled single-point lubrication system, driven by a chemical reaction.

The dispenser excels through user-friendliness and a good cost-performance ratio. This product is the right choice for most lubrication applications: cost-effective, reliable, safe and ecological!

Automatic lubrication through an electrochemical drive

G-LUBE combines all the advantages of gas-powered lubrication systems and is a cost-effective solution for users wishing to switch from manual to automatic lubrication and for those familiar with automatic lubrication systems.

The function is based on the proven technology of an electrochemical reaction that produces non-reactive nitrogen (N_2) through the systematic use of an electrolyte. This type of pressure generation makes **G-LUBE** more temperature-independent than many conventional gas-powered lubrication systems.

With pressure generation not exceeding 5 bar (73 psi) and at ambient temperatures from -20 to +55 °C (-4 to +131 °F) **G-LUBE** guarantees up to 12 months of reliable operation. The lubrication system is available in the sizes 60, 120 and 240 ml.

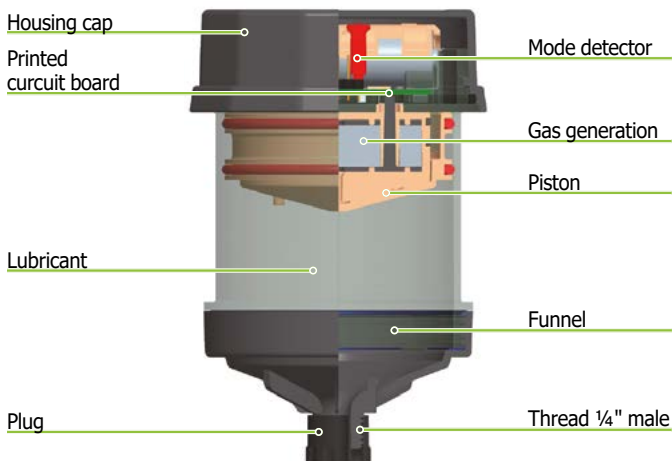


Your advantages

- Electrochemical drive
- Precise, reliable lubricant delivery
- Easy handling
- Activation without tools
- Environmentally friendly product, easy disposal
- Can be used outdoors
- Can be used in EX areas
- Dispensing period 1/3/6/9/12 months (modifiable at any time)
- Easy and fast to fill yourself
- Special fillings possible



Design



Technical data

Model	GL-60	GL-120	GL-240
Drive	electrochemical		
Operating pressure	max. 5 bar (73 psi)		
Distribution period	1/3/6/9/12 months		
Lubricant volume	60 ml	120 ml	240 ml
Lubricating medium	oils and greases up to NLGI cl. 2		
Operating temperature	-20 to +55 °C / -4 to +131 °F		
Weight empty	~ 195 g	~ 205 g	~ 225 g
Dimensions (height x Ø)	91 mm x 77 mm	111 mm x 77 mm	156 mm x 77 mm
Distributor possible	-		
Certifications	ATEX, IP68		

Filling - all-round service or independently

You can fill G-LUBE yourself quickly and easily!



You can fill **G-LUBE** yourself in a few easy steps. Both oils and greases up to NLGI class 2 can be used.

Of course, you can always rely on our tried and tested standard lubricants (from page 28) or provide us with your own lubricant for filling.

Our all-round service is even more convenient: we take care of everything from the provision and filling of your desired lubricant to the delivery of the dispenser, ready for use.

Tutorial: Filling



 **CLICK**

Tutorial: Starting



 **CLICK**



G-LUBE can be used in almost all sectors and areas and can be activated without tools. For indirect installation, we recommend our wide range of accessories on page 34 onwards.





LUBRICAJO

Lubricajo - Compact, precise, maintenance-free

The **Lubricajo**, which uses tried and tested gas-cell technology, is a reliable and economical solution for the continuous supply of grease or oil to lubrication points. The gas-powered lubricator impresses with its user-friendliness and slim design, which guarantee trouble-free installations in even the most confined spaces.

Continuous supply – in any location

The **Lubricajo** makes automatic lubrication easier than ever: unpack the device, screw it in by hand, set the infinitely variable runtime – done! Thanks to the gas-cell technology, the compact **Lubricajo** can supply your systems with absolutely precise lubrication fully automatically and zero maintenance.

Maximum flexibility at any location

One of the **Lubricajo**'s foremost advantages is its extreme robustness, which opens up entirely new application fields:

- ✓ Underwater & outdoors: thanks to the system's excellent dust and water resistance in accordance with protection class IP68, the system offers complete reliability in harsh outdoor environments; it can even be installed fully submerged under water.
- ✓ In explosive atmospheres: thanks to official ATEX certification, the **Lubricajo** is ideally suited for safe and permanent deployment in potentially explosive atmospheres.

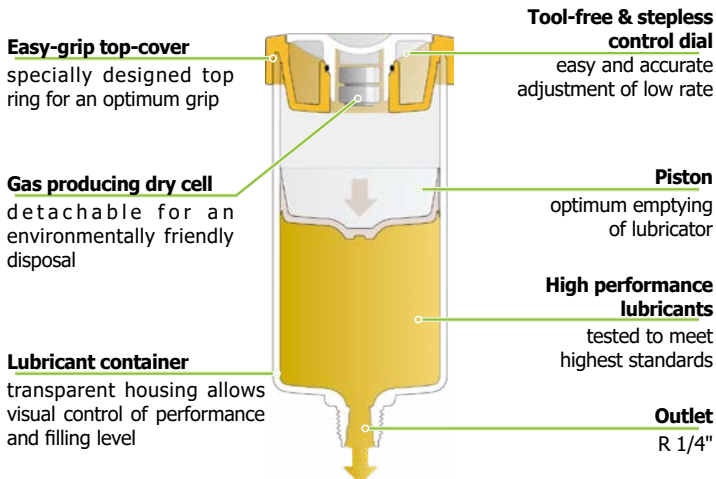


Your advantages

- Electrochemical drive
- Precise, reliable lubricant delivery
- Easy handling - activation without tools
- Can be used outdoors
- Can be used in EX areas
- Suitable for under water use (protection class IP68)
- Continuous runtime setting (adjustable at any time)
- Mounting in any position possible
- Special fillings possible



Design



Technical data

Model	LJ-60	LJ-125
Drive	electrochemical	
Operating pressure	max. 5 bar (73 psi)	
Distribution period	1-12 months (stufenlos)	
Lubricant volume	60 ml	125 ml
Lubricating medium	oils and greases up to NLGI cl. 2	
Operating temperature	-20 °C to +60 °C / -4 to +140 °F	
Weight empty	~ 69 g	~ 82 g
Dimensions (height x Ø)	86 mm x 50 mm	118 mm x 50 mm
Distributor possible	-	
Certifications	ATEX, IP68	

Ready for immediate use



Forget complicated assembly steps and heavy tools! One of the **Lubricajo's** major advantages is its exceptional user-friendliness: no tools are required for its commissioning and continuous runtime adjustments (1 to 12 months). The specially designed, extra grippy lid ring allows for precise adjustments, and the lubricator's activation, which requires just a few hand movements, takes place directly on site. Screw the lubricator into place, adjust the control dial – and your system is up and running!

Every **Lubricajo** unit is delivered fully assembled and ready for immediate use. Of course, we can also fill the devices with your individually desired lubricant on request. Thanks to the transparent housing, the fill level can be checked visually at any time.



SOLOLUBE



Sololube - precise electromechanical single-point lubrication

Sololube is a reliable, easy-to-operate lubricant dispenser with an electromechanical drive. Its precise delivery system makes **Sololube** equally suitable for the automatic lubrication of roller and friction bearings, gear racks, open transmissions or chains.

Safe automatic lubrication

Tutorial: Starting



CLICK

Sololube has a robust, very precise drive motor, supplied with voltage by a high-capacity 6 V Li battery or a 24 V power supply. The lubricant cartridge – optionally with 60, 150 or 250 ml content – is simply screwed to the drive unit.

With a delivery pressure of 7.5 bar (109 psi), **Sololube** works automatically and independent of temperature for up to a year. The dispensing period can be freely selected between 1 and 12 months (by altering the amount of lubricant dispensed). Changing the setting or switching the device off is of course possible at any time.

Tutorial: Filling



CLICK

The performance of **Sololube** is monitored with a clearly visible LED. The filling level of the lubricant cartridge is, moreover, clearly visible at all times through the transparent housing.

Sololube is available in three models:

The **Xtra150** model uses a 150 ml cartridge. If a larger or very small amount of lubricant is required, **Xtra250** (250 ml) **Xtra60** (60 ml) apply. All models include a reusable electromechanical drive unit.

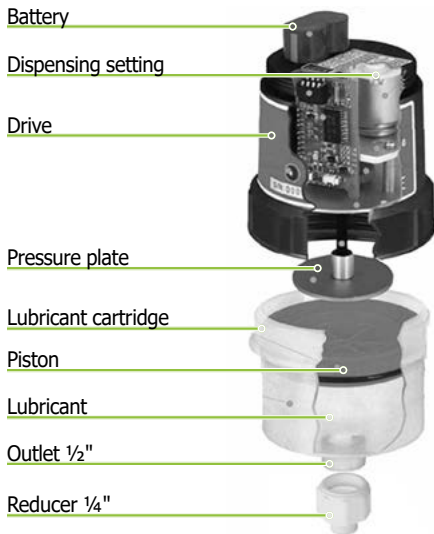


Your advantages

- Precise, reliable delivery of lubricant
- Delivery pressure 7.5 bar (109 psi)
- Dispensing period 1–12 months
- Visual warning of malfunction (LED)
- Operating temperature -20 to +60 °C (-4 to +140 °F)
- Can be used outdoors
- Independent of temperature
- Visual check possible at all times
- Hose up to 1.5 m long
- Special fillings available



Design



Technical data

Model	Xtra60	Xtra150	Xtra250
Drive	electromechanical (reusable)		
Operating pressure	max. 7.5 bar (109 psi)		
Distribution period	1-12 months		
Lubricant volume	60 ml	150 ml	250 ml
Lubricating medium	oils and greases up to NLGI cl. 2		
Operating temperature	-20 to +60 °C / -4 to +140 °F		
Working voltage	6.0 V (Li battery) or 24 V power supply		
Weight empty: battery/adaptor	~ 542 g ~ 563 g		~ 700 g ~ 730 g
Dimensions (height x Ø)	138 x 84 mm	151 x 84 mm	183 x 96 mm
Performance monitoring	green/red LED		
Distributor possible	-		

Adapter for external power supply 24 VDC

In addition to classic battery operation, the **Sololube** lubricant dispenser is also available with external 24 V power supply.

Practical fact: With the 24 V adapter even customers who are already using the battery-operated device can easily and inexpensively switch to an external power supply.

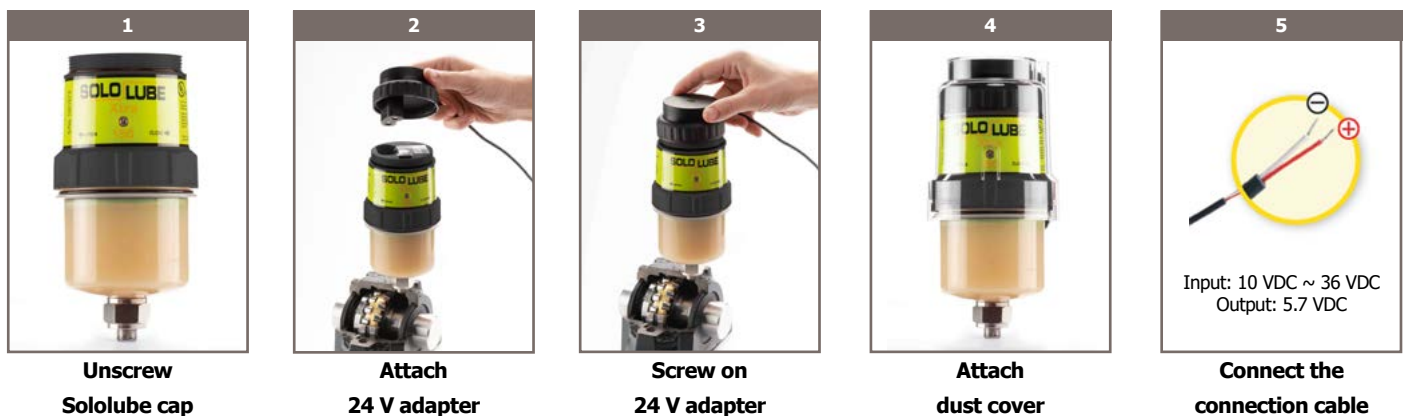
The **Sololube** lubricant dispenser cap can be easily changed in seconds and intermittent machine-dependent operation is possible immediately. The adapter is connected using a two-core connection cable.



Your gains

- **No batteries, no follow-up costs**
- **Synchronisation with machine possible**
- **Sololube already in use can be retrofitted**

Installation



LUBRICAJO EM



Lubricajo EM - Precision that keeps your machines moving

Standing still is not an option in the modern world of industry. The **Lubricajo EM** series offers a tailor-made solution to suit every requirement – from an autonomous single point to a fully integrated system solution. Browse our extensive portfolio and choose the exact model that will optimise your processes and deliver maximum reliability.

Performance with no compromises

The **Lubricajo EM** series is renowned for providing reliability and flexibility in industrial maintenance. With its powerful electromechanical drive, it guarantees constant, precise delivery of lubricant for all greases up to NLGI class 2 – even when the ambient temperature fluctuates.

Choose from three cartridge sizes (120 ml, 240 ml or 480 ml) and three model types (**Lubricajo B**, **Lubricajo V** or **Lubricajo D**) to adapt the system perfectly to provide the maintenance your system requires.

The drive unit is reusable. At the end of the lubrication cycle, all you need to do is replace the lubricant cartridge (and the battery pack for battery-operated models).



Full view with LUX

When visibility is poor, it is often difficult to perform a visual check. Thanks to the transparent housing and the integrated all-round LEDs, you can perform an uninterrupted 360-degree visual check with the **LUX** special models. This gives you a perfect view of the lubrication process from every angle.

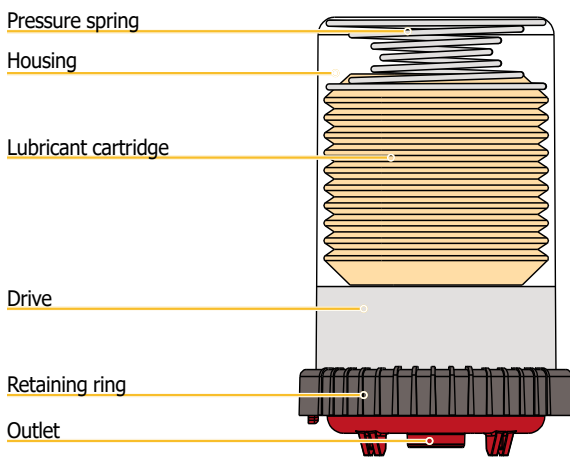
In addition, you benefit from advanced setting options that allow you to customise the system even more precisely to suit your individual operating requirements.

Your advantages

- Delivery pressure up to 25 bar (363 psi)
- Distribution period: 1 week to 16 months or pulse control
- Optical warning in the case of malfunction (LED)
- Concealed controls – protected against incorrect operation
- Operating temperature -15 °C to +50 °C / +5 to +122 °F
- Temperature-independent feed rate
- Greases up to NLGI cl. 2
- Special fillings available



Design



Technical data

Model	Lubricajo B, LX-B	Lubricajo V, LX-V	Lubricajo D
Drive	electromechanical (reusable)		
Operating pressure	max. 25 bar (363 psi)		
Distribution period	1 week - 16 months / individually adjustable		
Lubricant volume	120 / 240 / 480 ml		
Lubricating medium	greases up to NLGI cl. 2		
Operating temperature	-15 °C to +50 °C (+5 to +122 °F) with AI battery: 0 °C to +50 °C (+32 to +122 °F)		
Working voltage	battery	24 VDC	
Weight empty	~ 520 - 700 g		
Performance monitoring	depending on device		
Distributor possible	✓		

Suitable for any infrastructure

Every machine is different. With the wide range of models we offer, you are sure to find the version that suits your specific requirements perfectly. Choose from a total of five different models, each available in three sizes, and find your perfect lubrication system:



	Lubricajo B	Lubricajo V	Lubricajo D	Lubricajo LUX-B	Lubricajo LUX-V
Working voltage	battery	24 VDC	24 VDC	battery	24 VDC
Performance monitoring	LEDs	LEDs	LEDs & PLC	360° LEDs	360° LEDs & PLC
Control	time mode	time mode	pulse control	time mode	time mode/ pulse control
Intermittent operation	✗	✓	✓	✗	✓
Distribution period	1 week - 16 months	1 week - 16 months	individually adjustable	1 week - 16 months	individually adjustable
Operation	directly at the device	directly at the device	directly at the device/ control using PLC	directly at the device	directly at the device/ control using PLC



Lubricajo B • Autonomous and reliable



Maximum freedom with no cables. Battery operation makes **Lubricajo B** the ideal partner for remote systems or mobile components where it is not possible or it is too costly to provide an external power supply. An alkaline or lithium battery pack will be used, depending on the requirements and environmental conditions.

- ✓ lubricant volume 120, 240 or 480 ml
- ✓ supply pressure 25 bar (363 psi)
- ✓ visual check using two-colour LEDs
- ✓ distribution period: 1 week to 16 months
- ✓ dust-tight and water-protected (protection class IP66)
- ✓ also available as a LUX version



Lubricajo V • The constant power source



With the maintenance-free power supply of 24 VDC, **Lubricajo V** can be integrated directly into your machine – reliably and with no need to change the battery. The memory function saves all settings and also enables intermittent operation.

- ✓ lubricant volume 120, 240 or 480 ml
- ✓ supply pressure 25 bar (363 psi)
- ✓ visual check using two-colour LEDs
- ✓ distribution period: 1 week to 16 months
- ✓ dust-tight and water-protected (protection class IP66)
- ✓ also available as a LUX version



Lubricajo D • The intelligent system solution



Full control thanks to smart communication. Thanks to the PLC connection, the lubrication cycle can be monitored and controlled directly via your machine control system. **Lubricajo D** is perfect for highly automated processes where every second counts.

- ✓ lubricant volume 120, 240 or 480 ml
- ✓ supply pressure 25 bar (363 psi)
- ✓ visual check using two-colour LEDs
- ✓ control individually via PLC
- ✓ exact control and lubricant dosing
- ✓ dust-tight and water-protected (protection class IP66)



Lubricajo LUX-B • Bright outlook



Lubricajo LUX-B is a further development of **Lubricajo B**.

In addition to the familiar properties, this model gives you even more options to adjust settings for lubricant delivery.

The 360-degree visual check combines a transparent drive housing with all-round LEDs in three colours. This means you can perform a quick, visual functional check at any time.

- ✓ all **Lubricajo B** features
- ✓ protection class IP64
- ✓ 360° visual check with three-colour LEDs
- ✓ advanced adjustment options



Lubricajo LUX-V • Maximum control and full transparency



Lubricajo LUX-V is the logical further development of our tried-and-tested models **Lubricajo V** and **Lubricajo D** and combines their specific strengths in a single, high-precision system.

The choice is yours: Use discharge time mode for constant lubrication for up to 48 months or control the device directly via your PLC to give you maximum control in pulse mode. Thanks to the 360-degree visual check with three-colour, all-round LEDs, you can reliably monitor the lubrication of your system from any angle at any time.

- ✓ all **Lubricajo V** and **Lubricajo D** features
- ✓ distribution period: 1 week to 48 months or individually adjustable (PLC)
- ✓ protection class IP64
- ✓ 360° visual check with three-colour LEDs
- ✓ advanced adjustment options



G-LUBE EM



G-LUBE EM - High-pressure lubrication systems for grease

G-LUBE EM models are temperature-independent high-pressure lubrication systems for single-point and multi-point lubrication applications with grease. With its high delivery pressure of up to 60 bar (870 psi), **G-LUBE EM** is particularly powerful and ideally suited for demanding applications. A uniform lubricant delivery is ensured throughout the entire operating period, even in settings subject to temperature fluctuations or high back pressures.

Multi-point lubrication at up to 60 bar (870 psi)

With three models and four different cartridge sizes ranging from 60 to 480 ml, the **G-LUBE EM** series covers a wide range of applications. The lubricant cartridge is simply screwed onto the drive unit and can be changed quickly and easily.

Thanks to the high delivery pressure, it is possible to connect multiple distributors to **G-LUBE EM**. In this way, up to 12 lubrication points can be supplied with one device. An overview of all distributors can be found on page 42.

G-LUBE EM B: Robust, strong, independent

Tutorial: Starting



CLICK

G-LUBE EM B delivers precise lubrication for up to 12 months and is completely autonomous thanks to battery operation.



Thanks to the numerous detailed status messages, you can always see everything at a glance. Among other things, the residual-duration countdown is displayed. The illuminated display ensures good legibility even in low light conditions.



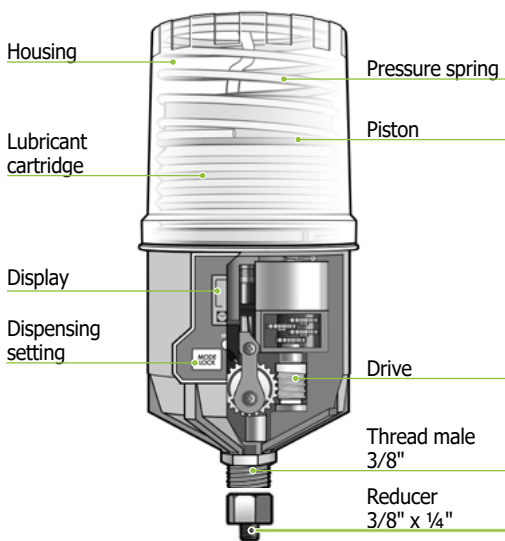
Ex
version
available

Your advantages

- Temperature independent: linear emptying throughout the entire period
- High delivery pressure up to 60 bar (870 psi)
- Self-sufficient battery-powered operation or 9-36 VDC
- Multi-point lubrication: option to connect multiple distributors
- Backlit display
- 4 sizes for any application setting
- Special fillings available



Design

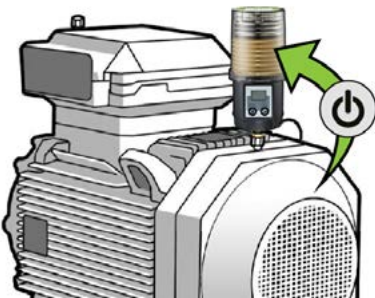


Technical data

Model	GL-EM-60	GL-EM-125	GL-EM-250	GL-EM-500
Drive	electromechanical (reusable)			
Operating pressure	max. 60 bar (870 psi)			
Distribution period	1-12 months / pulse control			
Lubricant volume	60 ml	120/125 ml	240/250 ml	480/500 ml
Lubricating medium	greases up to NLGI cl. 2			
Operating temperature	-15 °C to +60 °C / +5 to +140 °F (AI battery: +5 °C to +60 °C / +41 to +140 °F)			
Working voltage	4.5 V (Al/Li battery) / 9-36 VDC			
Weight (without cartridge)	~ 530 - 747 g			
Dimensions (height x Ø)	181 x 91 mm		209 x 91 mm	260 x 92 mm
Performance monitoring	depending on device			
Distributor possible	✓ *			

*When a distributor is connected to **G-LUBE EM B**, the lithium battery GL-BAT-L is required.

G-LUBE EM V: Lubrication only when the machine is in operation



Many machines are not in constant operation. To avoid over-lubrication during idle periods, **G-LUBE EM V** offers the option to synchronise the lubrication system with the connected machine. In this way, the lubricant is delivered as and when required.

The dispensing period of up to 12 months will be extended accordingly with intermittent operation.

G-LUBE EM V can even be connected to your PLC and will send a warning signal once the dispensing period has ended. The operating state is also always visible on the lubrication system's illuminated display.

G-LUBE EM D: Control via PLC



Thanks to being individually controlled via a PLC, **G-LUBE EM D** offers additional options for tailoring the automatic lubrication point supply to the needs of each application setting.

G-LUBE EM D is always there for the machine, whenever you want it to be. The lubrication impulses set via the PLC can also be finely adjusted on the device itself in

order to optimise the effectiveness and efficiency of the work process. Numerous status messages can be read out both on the illuminated display and as a feedback signal on the PLC.



G|LUBE EM OIL

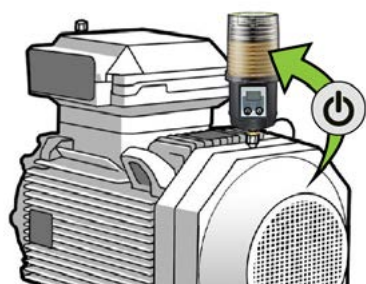


G-LUBE EM OIL - Powerful automatic oil lubrication

The **G-LUBE EM OIL** series offers tailor-made solutions for automatic oil lubrication. Thanks to the large oil reservoir of up to 500 ml, several lubrication points can be supplied simultaneously – even over longer distances – thanks to a delivery pressure of up to 10 bar. Save time and money by easily refilling the lubrication system directly on site. Ideal for the lubrication of chains, spindles and linear guides!

Customised lubrication

Similar to the **G-LUBE EM** series for grease applications, the **G-LUBE EM OIL** series offers three specialised models for automated oil lubrication.



G-LUBE EM B OIL: Maximum flexibility thanks to autonomous battery operation and an intuitive display with residual-duration countdown. Ideal for locations where there is no external power supply.

G-LUBE EM V OIL: Sustainable and maintenance-free thanks to 9-36 VDC mains operation. The machine synchronisation prevents over-lubrication when the machine is not operating.

G-LUBE EM D OIL: Full control via PLC control. Four cartridge sizes (60–480 ml) and finely adjusted impulse settings guarantee maximum efficiency for complex applications.

Tutorial: Starting



CLICK

The flexibility of **G-LUBE EM OIL** makes it suitable for use in all sectors of industry, both indoors and outdoors.

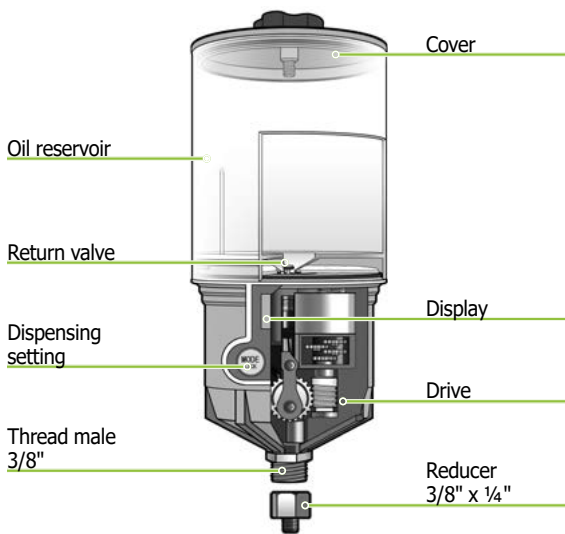
The extra-large oil reservoir holds, depending on the model, 480 or even 500 ml and, each time it is fully emptied, it can be refilled easily and directly on site without requiring any special equipment. This means that using **G-LUBE EM OIL** not only saves working time, but also reduces the follow-up operation costs to a minimum.

Your advantages

- Refillable on-site
- Temperature-independent: linear discharge during the complete period
- Extra-large oil container
- Self-sufficient battery-powered operation or 9-36 VDC
- Numerous detailed status messages via display and LED
- Multi-point lubrication: option to connect multiple distributors



Design



Technical data

Model	GL-EM-OIL
Drive	electromechanical (reusable)
Operating pressure	max. 10 bar (145 psi)
Distribution period	2 weeks to 24 months / pulse control
Lubricant volume	480/500 ml
Lubricating medium	oils > ISO VG 10
Operating temperature	-15 to +60 °C / +5 to +140 °F (Al battery: +5 to +60 °C / +41 to +140 °F)
Working voltage	4.5 V (Al or Li battery) / 9-36 V
Weight (empty)	~ 521 - 617 g
Dimensions (height x Ø)	229 x 99 mm
Performance monitoring	depending on device
Distributor possible	✓*

*When a distributor is connected to **G-LUBE EM B OIL**, the lithium battery GL-BAT-L is required.



In combination with our chain lubrication pinions and/or lubrication brushes, **G-LUBE EM OIL** supplies chains with oil reliably and as required. Our wide range of accessories begins on page 34.

Model overview

Video: Model scheme



CLICK

The **G-LUBE EM** family consists of numerous models, which are presented on the following pages. Whether for grease or oil, with battery operation, a 9–36 VDC power supply or PLC connection, here you will find the perfect lubrication solution for your application.



	G-LUBE EM B	G-LUBE EM B OIL	G-LUBE EM V	G-LUBE EM V OIL	G-LUBE EM D	G-LUBE EM D OIL
Lubricant	grease	oil	grease	oil	grease	oil
Working voltage	battery		9-36 VDC		9-36 VDC	
Distribution period	1-12 months	1-24 months	1-12 months (intermittent operation possible)		Interval mode (individually adjustable)	
Lubricant volume	60 / 125 / 250 / 500 ml	500 ml	60 / 120 / 240 / 480 ml	480 ml	60 / 120 / 240 / 480 ml	480 ml
Control	time mode		time mode		pulse control	
Operation	directly at the device		directly at the device		control using PLC	

G-LUBE EM B: Robust, strong, independent



G-LUBE EM B gives you a fully autonomous maintenance solution: Depending on the ambient conditions, the power supply is provided flexibly by alkaline or lithium batteries, which ensures that the system is ready to be used wherever you want immediately. There are four different sizes from 60 to 500 ml to choose from. The lubricant cartridge is simply screwed on.

- ✓ battery powered
- ✓ supply pressure 60 bar (870 psi)
- ✓ distribution period 1 to 12 months
- ✓ backlit display
- ✓ lubricant volume 60, 125, 250 or 500 ml
- ✓ for greases up to NLGI class 2
- ✓ EX version available (for use in a potentially explosive environment)



G-LUBE EM V • Lubrication only when the machine is in operation



G-LUBE EM V is a high-pressure lubrication system for grease suitable for flexible use thanks to an operating voltage of 9–36 VDC. Synchronisation with the connected machine guarantees precise, needs-based lubrication even during intermittent operation.

G-LUBE EM V can even be connected to your PLC and will send a warning signal once the dispensing period has ended.

- ✓ flexible operating voltage from 9 to 36 VDC
- ✓ supply pressure 60 bar (870 psi)
- ✓ distribution period 1 to 12 months
- ✓ intermittent operation possible
- ✓ synchronisation with the connected machine
- ✓ backlit display
- ✓ lubricant volume 60, 120, 240 or 480 ml
- ✓ for greases up to NLGI class 2



G-LUBE EM D • PLC-controlled customised lubrication



G-LUBE EM D is a high-pressure lubrication system for grease for integration into a PLC. The lubrication system is managed by the external control which allows the user to set individual and needs-based lubrication impulses. It can be used flexibly thanks to operating voltages of 9–36 VDC.

- ✓ flexible operating voltage from 9 to 36 VDC
- ✓ supply pressure 60 bar (870 psi)
- ✓ distribution period: individually adjustable
- ✓ intermittent operation possible
- ✓ control via PLC
- ✓ synchronisation with the connected machine
- ✓ backlit display
- ✓ lubricant volume 60, 120, 240 or 480 ml
- ✓ for greases up to NLGI class 2



G-LUBE EM B OIL • Autonomous and refillable



As a purely battery-operated oil dispenser, **G-LUBE EM B OIL** is ideal for the lubrication of chains, spindles and linear guides. The autonomous operation and the variety of applications enable a wide range of uses. The intuitive operation on the display enables easy and straightforward commissioning on site.

- ✓ battery powered
- ✓ supply pressure 10 bar (145 psi)
- ✓ distribution period: 0,5/1/2/4/6/12/18/24 months
- ✓ countdown of remaining duration on the display
- ✓ lubricant volume 500 ml
- ✓ for oils > ISO VG 10
- ✓ refillable on-site



G-LUBE EM V OIL • Synchronised lubrication



If machines do not operate continuously, there is often the risk of over-lubrication during the shutdown times. **G-LUBE EM V OIL** is linked directly to the machine's control system. This ensures that the lubricant is only ever delivered during the operating phases and so is always provided exactly as is required.

- ✓ flexible operating voltage from 9 to 36 VDC
- ✓ supply pressure 10 bar (145 psi)
- ✓ distribution period: 1 to 12 months
- ✓ intermittent operation possible
- ✓ synchronisation with the connected machine
- ✓ lubricant volume 480 ml
- ✓ for oils > ISO VG 10
- ✓ refillable on-site



G-LUBE EM D OIL • Full control with your PLC



With **G-LUBE EM D OIL**, you can control your oil lubrication directly via the PLC. This gives you entirely needs-based lubrication impulses and maximum process flexibility. The illuminated display and feedback signals provided to the PLC guarantee uninterrupted status monitoring in real time.

- ✓ flexible operating voltage from 9 to 36 VDC
- ✓ supply pressure 10 bar (145 psi)
- ✓ distribution period: individually adjustable
- ✓ intermittent operation possible
- ✓ control via PLC
- ✓ synchronisation with the connected machine
- ✓ lubricant volume 480 ml
- ✓ for oils > ISO VG 10
- ✓ refillable on-site





G|LUBE VIB



G-LUBE VIB - automatic lubrication system with vibration sensor

G-LUBE VIB is an innovative electromechanical lubrication system dispenser that only activates itself if the connected sensor registers vibrations. This makes it particularly suitable for intermittent operation. The battery power supply allows self-sufficient use and makes **G-LUBE VIB** independent from an external power supply.

Movement makes the difference



G-LUBE VIB is connected to a vibration sensor that is mounted quite easily on the relevant machine using a magnet. The sensitivity of the sensor can be adjusted infinitely. During operation **G-LUBE VIB** only lubricates in accordance with the entered settings if the sensor registers vibrations. This guarantees optimum lubrication even on machines that are not used regularly.

All functions are visible at all times on the built-in display.

Models

G-LUBE VIB is available in the model versions 60, 125 and 250 ml.

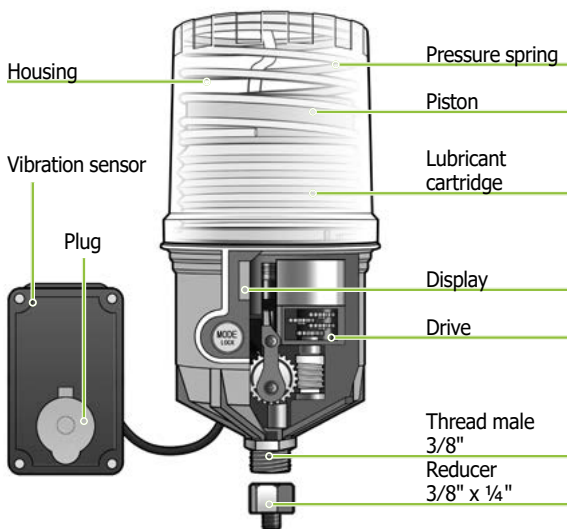
The reusable, electromechanical drive is identical for all models. If a different size is to be installed after discharge then it is only necessary to change the relevant lubricant cartridge and the correct, reusable top. All the parts, including the sensor cable, are available separately. This makes **G-LUBE VIB** flexible and cost-effective to use. The reusability makes the device particularly environmentally friendly.

Your advantages

- Vibration sensor allows optimal lubrication
- Self-sufficient operation with battery operation
- One drive for all sizes
- Countdown of remaining duration on the display
- Numerous detailed status messages via display and LED



Design

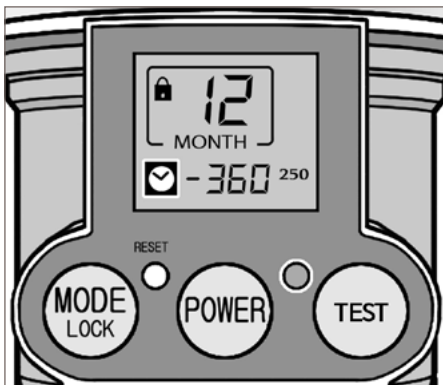


Technical data

Model	GL-VIB-60	GL-VIB-125	GL-VIB-250
Drive	electromechanical (reusable)		
Operating pressure	max. 60 bar (870 psi)		
Distribution period	1-12 months		
Lubricant volume	60 ml	125 ml	250 ml
Lubricating medium	greases up to NLGI cl. 2		
Operating temperature	Al battery: +5 to +60 °C / +41 to +140 °F Li battery: -15 to +60 °C / +5 to +140 °F		
Working voltage	4.5 V (Al or Li battery)		
Weight (without cartridge)	~ 732 g	~ 745 g	~ 810 g
Dimensions (height x Ø)	182 x 91 mm		208 x 91 mm
Performance monitoring	display & LED		
Distributor possible	✓*		

*If a distributor is connected, the GL-BAT-L lithium battery is required.

Detailed status reports



The display with its integrated LEDs offers very detailed status reports.

Particularly practical: a countdown of the remaining duration can be read on the display at all times during operation. The number of days since the last lubrication is also shown.

Error messages such as for an empty cartridge or low battery power can also be seen from far away in the form of flashing LEDs.

Tutorial: Calibrating the sensor



CLICK



G-LUBE VIB ensures ideal lubrication in discontinuous operation by individual adjustment of the sensor. For an indirect installation we recommend our wide range of accessories on page 34 onwards.



LUB-S



LUB-S - monitored lubrication of minimum volume

LUB-S can be used as single point lubricator or (by means of splitters or progressive distributors) as multipoint lubrication system. Due to its extremely compact pump unit and its low weight it especially suits applications with lacking space.

Models



Two types of **LUB-S** are available:

LUB-S-B runs with a 4.5 V battery and operates at up to 35 bar (508 psi). At low temperatures and/or with high back pressure we recommend using the more powerful lithium battery instead.

LUB-S-V uses 24 VDC and can be connected to PLC optionally. Its higher delivery pressure of up to 50 bar (725 psi) enables even more possible applications. Besides a 125 ml cartridge, a 250 ml cartridge can be screwed on anytime. The built-in display allows you to keep track of all functions.

Advances through innovation

LUB-S unites up to 3 operating modes in one device and offers maximum flexibility:

- **Hour mode:** setting the number of hours for the lubrication cycles
- **Discharge time mode:** setting the time in months until the cartridge is empty
- **Pulse mode:** **LUB-S-V** can be integrated into an external control system (PLC) and then commanded and controlled using this.

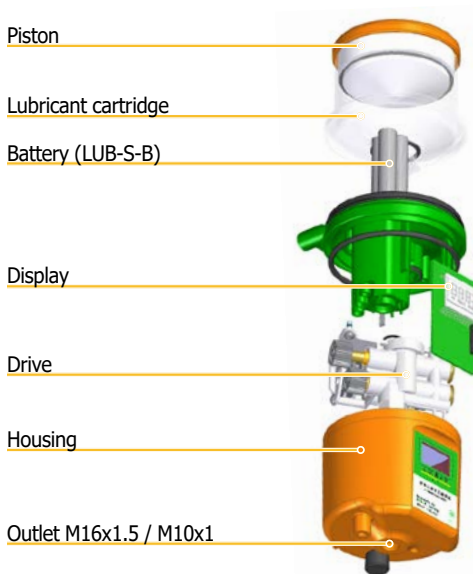
Thus **LUB-S** can be used flexibly and can be adapted to modified framework conditions at any time.

Your advantages

- Battery operation or with 24 VDC
- Up to 10x higher feed pressure than with gas-operated lubricators
- Compact dimensions
- Easy to operate
- Fault / empty reporting
- Suitable for splitters / progressive distributors (**LUB-S-V**)
- Connection to PLC possible (**LUB-S-V**)
- Up to 3 operating modes



Design



Technical data

Model	LUB-S-B	LUB-S-V
Drive	electromechanical (reusable)	
Operating pressure	max. 35 bar (508 psi)	max. 50 bar (725 psi)
Distribution period	1-24 months time mode	1-24 months time mode or pulse control
Lubricant volume	125 ml	125 or 250 ml
Lubricating medium	oils and greases up to NLGI cl. 2	
Operating temperature	Al battery: +15 to +60 °C / +59 to +140 °F Li battery: -15 to +60 °C / +5 to +140 °F	-15 to +60 °C / +5 to +140 °F
Working voltage	4.5 V	24 VDC
Weight empty	~ 433 g	~ 422 g
Dimensions (height x Ø)	152 x 83 mm	
Performance monitoring	LCD display & LED	OLED display
Distributor possible	-	✓

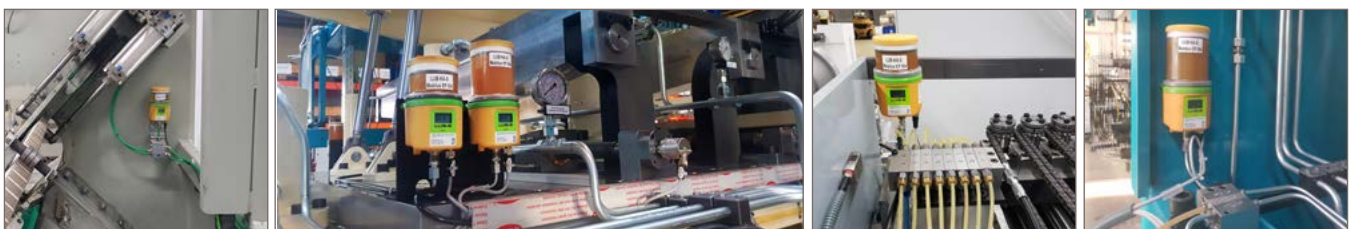
LUB-S-V - multiple point lubrication



Thanks to its performance **LUB-S-V** can also be used in combination with splitters or progressive distributors. This makes it possible to supply up to 12 lubrication points with one device.

All accessories such as fixing bracket, hose and distributors are available individually or in a practical set (see page 55). Progressive distributors with circulation monitoring are also available and can be integrated into the monitoring. This gives you an overview of all the functions at all times.

Multiple point lubrication
Up to 12 lubrication points with progressive distributor



LUBRICUS



Lubricus - the adaptive and compact lubrication system

Lubricus offers a new portal to the world of automatic lubrication. With the highly versatile **Lubricus** lubrication system, both single lubrication points and a whole group of varied points can be provided with lubricant continuously over a long period of time.

Flexible lubrication

Video: pump in cross section



 CLICK

Lubricus is an extremely compact lubrication unit for oils and greases up to NLGI class 2. The lubrication system works either autonomously with a battery back or using an external voltage supply (24 VDC). The lubricant cartridge – optionally with 250 or 400 ml content – is simply screwed to the drive unit. Furthermore, OIL versions without a cartridge are also available, which have been specially designed for use with oil. You can refill the oil yourself cleanly and easily. There is no need to replace empty cartridges – just top up with oil!

Lubricus is suitable for the simple and reliable supply of lubrication to bearings, linear guides, chains and open tooth systems, for which special lubricating pinions and lubricating gearwheels are available.

Due to the compact dimensions, **Lubricus** is optimally suited for upgrades or retrofitting. The large variety of models enable an individually optimized lubrication solution for almost every application.

Your advantages

- Delivery pressure up to 70 bar (1015 psi)
- Connection to machinery controls possible
- Distribution period 1–36 months or pause time
- Optical warning in the case of malfunction (LED)
- Operating temperature -15 to +70 °C / +5 to +158 °F
- Fault/empty reporting
- Temperature-independent feed rate
- Oils and greases up to NLGI cl. 2
- Special fillings available



Design



Technical data

Model	Lubricus 250 ml	Lubricus 400 ml
Drive	electromechanical (reusable)	
Operating pressure	max. 70 bar (1015 psi)	
Distribution period	1 - 36 months / pause time	
Lubricant volume	250 ml	400 ml
Lubricating medium	oils and greases up to NLGI cl. 2	
Operating temperature	-15 to +70 °C / +5 to +158 °F	
Working voltage	Li battery or 24 VDC	
Weight empty	~ 1050 - 1500 g	
Dimensions (WxHxD)	112 x 165 x 94 mm	112 x 196 x 94 mm
Performance monitoring	depending on device	
Distributor possible	✓	

High flexibility through a wide range of models

Dependent upon the version, **Lubricus** comes with up to four outlets and is thus optimally suitable with multiple lubrication.



	Lubricus B	Lubricus B-EB	Lubricus V	Lubricus D
Number of outlets	1, 2	1, 2	1, 2	1, 2, 3, 4
Performance monitoring	LCD display & LED	LCD display & LED	OLED display	via PLC
Working voltage	battery	battery (external compartment)	24 VDC	24 VDC
Distribution period	1-36 months or pause time	1-36 months or pause time	1-36 months or pause time (intermittent operation possible)	pause time (individually adjustable)
Control	time mode	time mode	time mode pulse control	pulse control
Operation	directly at the device	directly at the device	directly at the device/ control using PLC	control using PLC
OIL version	✗	✓	✓	✓



Lubricus B - independent thanks to battery power



The battery-operated variant of the **Lubricus** lubrication system is always used when an autarkic operation is desired or necessary. The highly-efficient battery pack can optionally be set to empty the lubricant cartridge over a period of 1–36 months (or pause time).

- ✓ 1 or 2 outlets
- ✓ lubricant volume 250 or 400 ml
- ✓ supply pressure 70 bar (1015 psi)
- ✓ LCD display with LED
- ✓ "quick check" (back-pressure readings)
- ✓ 1 to 36 months / pause time



Lubricus B-EB - external battery



Lubricus B-EB is an enhanced version of **Lubricus B**. In addition to the already proven features, the lubrication system now comes with an external battery compartment. As a result, it is not only suitable for direct filling with oil but also extremely flexible and export friendly. There is no need for time-consuming and expensive battery shipments.

- ✓ all **Lubricus B** features
- ✓ external battery compartment
- ✓ **OIL** version: can be filled with your own oil cleanly and easily
- ✓ export friendly

**OIL
version
available**



Lubricus V - take a break



The 24 V version of the **Lubricus** lubrication system is always worth considering if an external power supply is available. **Lubricus V**'s strengths become particularly apparent during discontinuous operation.

- ✓ 1 or 2 outlets, 70 bar
- ✓ Lubricant volume 250 or 400 ml
- ✓ Supply pressure 70 bar (1015 psi)
- ✓ OLED display
- ✓ "quick check" (back-pressure readings)
- ✓ Error readouts possible
- ✓ 1 to 36 months / pause time / pulse control

**OIL
version
available**



Lubricus D - pulse control



Lubricus D is designed for external control and 24 VDC voltage supply. The feed pump in **Lubricus D** feeds the lubricant to the outlets in accordance with the control of the pump openings using PLC.

- ✓ 1, 2, 3 or 4 outlets
- ✓ lubricant volume 250 or 400 ml
- ✓ supply pressure 70 bar (1015 psi)
- ✓ flexible, individual volume assignment
- ✓ feedback to the connected unit
- ✓ exact control and lubricant dosing



PLC-controlled distributor

Distributors distribute the supplied lubricant to the various outlets. In addition to the use of classic and monitored progressive distributors (from page 42), a special distributor, **which is controlled via the PLC**, can also be used.

The PRV-PLC is therefore an electronically and mechanically controlled distributor for grease and oil.

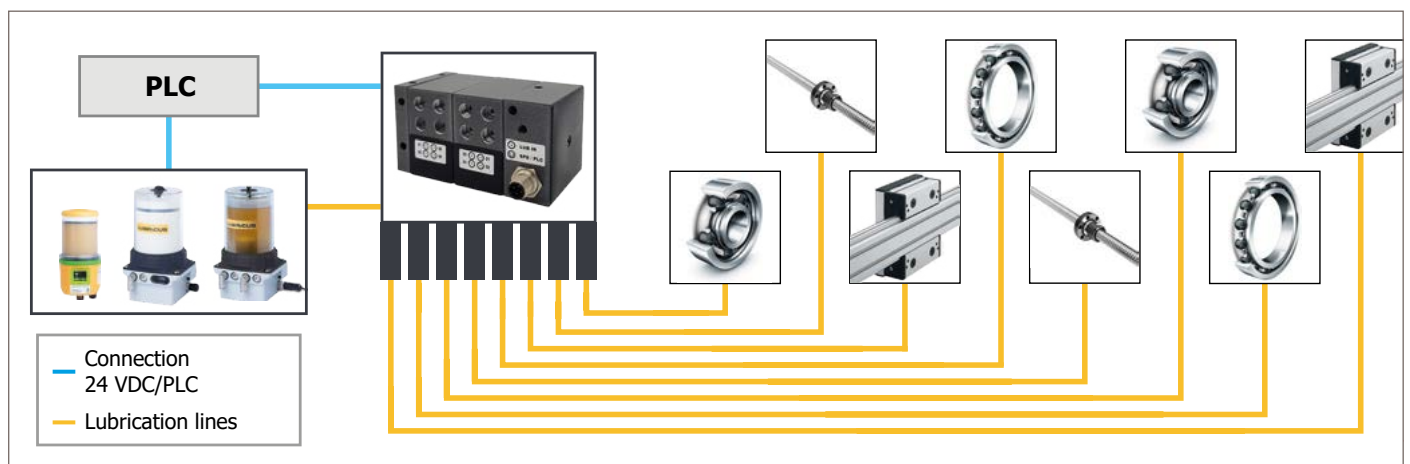
The individual outlets can be mechanically opened and closed independently of one another. This allows the user to program **individual lubrication quantities for each outlet** or to decide not to supply individual outlets. This unique dosing approach is particularly recommended for applications with highly varying lubrication requirements.



PRV-PLC with 4 and 8 outlets

Built-in check valves prevent the distributor from being affected by the lubrication points' varying counter pressures and ensure the PRV-PLC's excellent reliability.

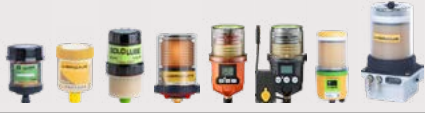
Application example for a PRV-PLC with 8 outlets





Gruetzner standard lubricants

Standard lubricants – greases

Grease					Applications				
					Roller bearings	Plain bearings	Linear guides	Gears/ toothed racks	Spindles
No. 	Base oil	NLGI class	Thickener	Operating temperature					
01 Multipurpose grease Water-resistant, long-term grease	mineral	2	Li-Ca	-30 to +130 °C -22 to +266 °F	✓	✓	●	●	✓
02 Multipurpose grease with MoS ₂	mineral	2	Li	-30 to +130 °C -22 to +266 °F	●	✓	—	✓	—
03 High temperature grease up to 160 °C / 320 °F <i>(with continuous relubrication 220 °C / 428 °F)</i>	Ester/SHC	1	PHS	-40 to +160 °C -40 to +320 °F	✓	✓	—	—	●
04 High temperature grease up to 180 °C / 356 °F	mineral	1	Calcium sulfonate complex	-30 to +180 °C -22 to +356 °F	✓	●	—	●	●
05 High pressure grease	mineral	2	Calcium sulfonate complex	-30 to +150 °C -22 to +302 °F	✓	✓	—	●	—
06 Water-resistant fluid grease	mineral	0	Ca complex	-30 to +140 °C -22 to +284 °F	✓	✓	✓	✓	●
07 Special grease for gear drives	mineral	0	Li-Ca	-30 to +150 °C -22 to +302 °F	—	✓	—	✓	●
09 Special biodegradable grease	Ester	2	Li-Ca	-40 to +120 °C -40 to +248 °F	✓	✓	●	●	—
10 Special grease for the food, beverage and pharmaceuticals industry 	mineral	1	Al special	-20 to +160 °C -4 to +320 °F	✓	✓	●	✓	●

✓ compatible ● testing required — incompatible

Standard lubricants – oils

Oil	Base oil	Viscosity at +40 °C / +104 °F	Operating temperature	Applications					
				Roller bearings	Plain bearings	Linear guides	Gears/ toothed racks	Spindles	Chains
No. 									
14 Multipurpose oil	mineral	68	-10 to +90 °C +14 to +194 °F	—	●	●	—	—	✓
15 High-temperature chain oil	Ester/SHC	270	-20 to +300 °C -4 to +572 °F	—	●	●	—	—	✓
64 Special biodegradable oil	synthetic	145	-20 to +120 °C -4 to +248 °F	—	●	●	—	—	✓
70 Special oil for the food, beverage and pharmaceuticals industry (NSF-H1)	 synthetic	96	-35 to +140 °C -31 to +284 °F	—	●	●	—	—	✓
77 Medicinal white oil	 synthetic	70	0 to +60 °C +32 to +140 °F	—	●	●	—	—	✓

✓ compatible ● testing required — incompatible



Did you know...?

On our [website](#) you can find every data sheet for our standard lubricants clearly listed and ready for download.



Self-filling & supplied lubricants

Our tested standard lubricants meet the highest standards and our range ensures that there is a standard type for almost every application. We also offer many of our products empty so that you can fill them with your own lubricant. Filling the lubricant yourself is easy and allows observation of certain stipulations such as periods of warranty and guarantee or safety regulations. Of course, we will be glad to fill the lubricant dispenser with your choice of lubricant – **simply contact us!**

Individual									NLGI class	Thickener
No.										
00 Empty, for self-filling	✓	✓	—	✓	—	—	—	—	max. 2	any
X Filled with supplied lubricant	✓	✓	✓	—	✓	✓	✓	✓	max. 2	any



GRUETZNER
AUTOMATIC LUBRICATION

more
applications



CLICK

Applications

Food industry



Energy industry



Sewage works





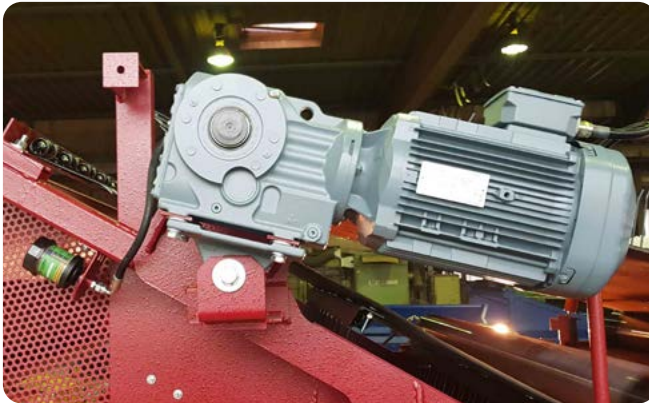
Mechanical engineering



Chains



Electric motors



Printing press



Recycling



Other branches

Steel treatment



Agricultural engineering



Paper conversion





Accessories

Automatic lubrication systems are only as strong as the components that connect them to the lubrication point. On the following pages you will find a complete range of high-quality accessories that guarantee a fast, safe and technically flawless installation of your lubrication systems. No matter the structural challenges you face on site – we offer the right assembly solution for any setting.

Compatibility note: some fittings have been specially designed for specific lubricator models. Before making your selection, please check the information found in the tables. The photos shown are intended as a visual guide only; the actual product design may differ slightly depending on the specifications.

Key									
	Gas-driven lubricators Models: G-LUBE Lubricajo		SOLOLUBE Models: Sololube Xtra Sololube Xtra 24V		Lubricajo EM Models: LJ-EM-B LJ-EM-LX-B LJ-EM-V LJ-EM-LX-V LJ-EM-D		G-LUBE EM OIL Models: GL-EM-B-OIL GL-EM-V-OIL GL-EM-D-OIL		G-LUBE EM Models: GL-EM-B GL-EM-V GL-EM-D
	G-LUBE VIB		LUB-S Models: LUB-S-B LUB-S-V		Lubricus Models: LUB-B LUB-B-EB LUB-V LUB-D				

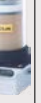
Connectors

Art. no.	Extensions & screwed connections (dimensions including external thread)	Material									Fig.no.
SAT1040	Extension 35 mm G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	1
SAT1041	Extension 50 mm G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	2
LAT1040	Extension 51 mm M10x1 x G $\frac{1}{4}$ "	Steel, zinc-nickel-galvanised	✓	✓	✓	✓	✓	✓	✓	✓	3
LAT1041	Extension 66.5 mm M10x1 x G $\frac{1}{4}$ "	Steel, zinc-nickel-galvanised	✓	✓	✓	✓	✓	✓	✓	✓	4
SAT1042	Extension 85 mm G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Galvanized steel	✓	✓	✓	✓	✓	✓	✓	✓	5
SAT1043	Extension 115 mm G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Galvanized steel	✓	✓	✓	✓	✓	✓	✓	✓	6
SAT1045	Screwed connection 25 mm, incl. 1 nut G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	7
SAT1046	Screwed connection 60 mm, incl. 2 nuts G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	8

Figures



Art. no.	Reducers	Material										Fig.no.
SAT1020	Reducer G $\frac{1}{4}$ " x G $\frac{1}{8}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	1
SAT1021	Reducer G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	2
SAT1022	Reducer G $\frac{1}{4}$ " x M6	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	3
SAT1023	Reducer G $\frac{1}{4}$ " x M8	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	4
SAT1024	Reducer G $\frac{1}{4}$ " x M8x1	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	5
SAT1025	Reducer G $\frac{1}{4}$ " x M10	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	6
SAT1026	Reducer G $\frac{1}{4}$ " x M10x1	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	7
SAT1027	Reducer G $\frac{1}{4}$ " x M12	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	8
SAT1028	Reducer G $\frac{1}{4}$ " x M12x1.5	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
SAT1010	Connection nipple straight G $\frac{1}{4}$ " x G $\frac{3}{8}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
SAT1011	Connection nipple straight G $\frac{1}{4}$ " x G $\frac{1}{2}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	11
Figures												
          												

Art. no.	Bent connections & other connectors	Material										Fig.no.
SAT1001	Bent connection 45° G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Malleable cast iron, galvanized	✓	✓	✓	✓	✓	✓	✓	✓	✓	1
SAT1001E	Bent connection 45° G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Stainless steel/V4A	✓	✓	✓	✓	✓	✓	✓	✓	✓	2
SAT1002	Bent connection 90° G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Malleable cast iron, galvanized	✓	✓	✓	✓	✓	✓	✓	✓	✓	3
SAT1002E	Bent connection 90° G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Stainless steel/V4A	✓	✓	✓	✓	✓	✓	✓	✓	✓	4
SAT1002MS	Bent connection 90° R $\frac{1}{4}$ " x R $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	5
SAT1004	Bent connection 90°, rotatable, R $\frac{1}{4}$ "	Brass	✓	✓	✓	✓	✓	✓	✓	✓	✓	6
SAT3020	Double socket G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	7
SAT1016	Double socket G $\frac{1}{4}$ " x G $\frac{3}{8}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	8
SAT1093	Double socket G $\frac{1}{4}$ " x G $\frac{1}{4}$ "	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
SAT1050	Y-manifold	Brass nickel-plated	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
SAT3012	Refill-nipple for filling Sololube	Brass nickel-plated	-	✓	-	-	-	-	-	-	-	11
LAT1099	Thread adapter M16x1.5 x G $\frac{1}{4}$ "	Stainless steel	-	-	-	-	-	-	✓	-	-	12
Figures												
           												

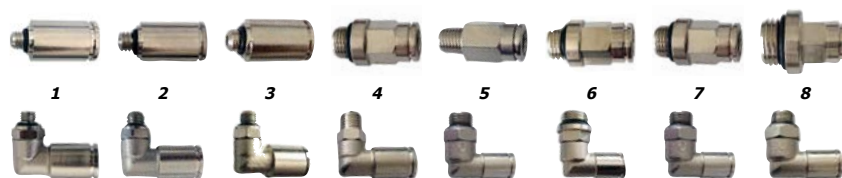
Art. no. straight	Art. no. angled	Hose adapters (for hose Ø 8 mm)	Material									Fig.no.
SAT1060	SAT1060G	Hose adapter R1/4"	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	1
SAT1070	SAT7076G-8	Hose adapter R1/8"	Plastic, brass nickel-plated	✓	✓	✓	-	-	-	-	-	2
SAT7084-8	SAT7084G-8	Hose adapter M6	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	3
SAT7086-8	SAT7086G-8	Hose adapter M8x1	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	4
SAT7087-8	SAT7087G-8	Hose adapter M10x1	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	5
SAT1071	SAT1071G	Hose adapter G1/4"	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	6
SAT1072	-	Hose adapter R3/8"	Brass nickel-plated	✓	✓	✓	-	-	-	-	-	7

Figures

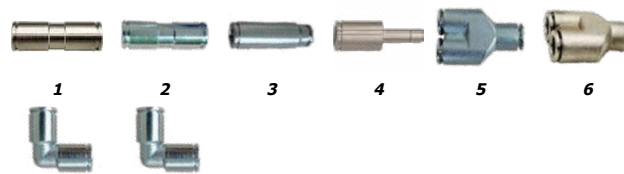


Art. no. straight	Art. no. angled	Hose adapters (for hose Ø 6 mm)	Material									Fig.no.
LAT7097	LAT7097G	Hose adapter M5	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	1
LAT7084	LAT7084G	Hose adapter M6	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	2
LAT7085	LAT7085G	Hose adapter M6 x 0.75	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	3
LAT7089	LAT7089G	Hose adapter M8	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	4
LAT7086	LAT7086G	Hose adapter M8 x 1	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	5
LAT7087	LAT7087G	Hose adapter M10 x 1	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	6
LAT7076	LAT7076G	Hose adapter G1/8"	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	7
LAT7079	LAT7079G	Hose adapter G1/4"	Brass nickel-plated	-	-	-	✓	✓	✓	✓	✓	8

Figures



Art. no. straight	Art. no. angled	Hose connectors (hose to hose)	Material		Fig.no.
SAT1067	SAT1067G	Hose connector 8 mm to 8 mm	Brass nickel-plated	✓ ✓ ✓ ✓ - - - -	1
LAT7100	LAT7100G	Hose connector 6 mm to 6 mm	Brass nickel-plated	- - - ✓ ✓ ✓ ✓ ✓	2
LAT7101	-	Hose connector 6 mm to 8 mm	Brass nickel-plated	- - - ✓ ✓ ✓ ✓ ✓	3
LAT7105	-	Hose expansion connector 6 to 8 mm	Brass nickel-plated	- - ✓ ✓ ✓ ✓ ✓ ✓	4
LAT1050-6	-	Hose connector 6 mm to 6 mm, Y shape	Brass nickel-plated	- - - ✓ ✓ ✓ ✓ ✓	5
LAT1050-8	-	Hose connector 8 mm to 8 mm, Y shape	Brass nickel-plated	✓ ✓ ✓ ✓ - - - -	6

Figures


Hoses & filling

Art. no.	Hoses & filling	Material		Fig.no.
SAT2000	Hose Ø 8/6 mm, per meter	Polyurethane	✓ ✓ - ✓ - - - -	1
MAT2000	Sturdy polyamide hose Ø 8/6 mm, per meter	Polyamide	✓ ✓ ✓ - ✓ - - -	1
LAT8002	High pressure hose Ø 6/4 mm, per meter	Polyamide 12	- - - ✓ ✓ ✓ ✓ ✓	2
SAT3017	Hose filling adapter for hose 8 mm	Brass nickel-plated	✓ ✓ ✓ - - - - -	3
LAT3017	Hose filling adapter for hose 6 mm	Brass nickel-plated	- - - - ✓ ✓ ✓ ✓	4
GAT3017	Filling adapter for G-LUBE incl. 11 cm high pressure hose	Brass nickel-plated	✓* - - - - - -	5
JAT3017	Filling adapter for Lubricajo incl. 11 cm high pressure hose	Brass nickel-plated	✓* - - - - - -	5
SAT3018	Filling adapter for Sololube	Brass nickel-plated	- ✓ - - - - - -	6
SAT3005	Oil pump for filling with oil	Steel	✓ ✓ - - - - - -	7
SAT3010	Grease gun for filling with grease	Cast zinc, metal, plastic	✓ ✓ - - - - - -	8

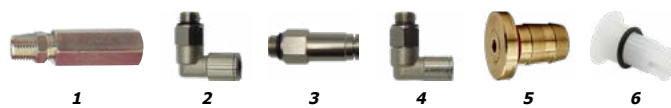
Figures


* Only compatible with the lubrication system specified in the description.
 We fill all hoses with lubricant on request.

Check valves & oil throttles

Art. no.	Check valves & oil throttles	Hose Ø	Material									Fig.no.
SAT2021	Check valve G1/4" x G1/4"	8/6 mm	Brass nickel-plated	-	✓	-	-	-	-	-	-	1
LAT7123	Check valve M10x1 angled	8/6 mm	Brass nickel-plated	-	-	-	-	-	-	✓	✓	2
LAT7121	Check valve G1/8" straight	6/4 mm	Brass nickel-plated	-	-	-	-	-	-	✓	✓	3
LAT7122	Check valve M10x1 angled	6/4 mm	Brass nickel-plated	-	-	-	-	-	-	✓	✓	4
GAT5060	Oil throttle for G-LUBE	-	Brass	✓*	-	-	-	-	-	-	-	5
JAT5060	Oil throttle for Lubricajo	-	Plastic	✓*	-	-	-	-	-	-	-	6

Figures



* Only compatible with the lubrication system specified in the description.

Batteries & 24 V adapters

Art. no.	Batteries & 24 V adapters suitable for battery-operated models									Fig.no.
SOL-BAT	Sololube battery, 6.0 V, suitable for all Sololube models	-	✓	-	-	-	-	-	-	1
MAT-BAT-A	Al battery, 4.5 V for electromechanical Lubricajo	-	-	✓	-	-	-	-	-	2
MAT-BAT-L	Li battery, 4.5 V for electromechanical Lubricajo	-	-	✓	-	-	-	-	-	3
GL-BAT-A	Al battery, 4.5 V incl. case for G-LUBE EM B & G-LUBE EM B OIL	-	-	-	✓	✓	✓	-	-	4
GL-BAT-L	Li battery, 4.5 V incl. case for G-LUBE EM B & G-LUBE EM B OIL	-	-	-	✓	✓	✓	-	-	5
LAT-BAT-SA	Al battery, 4.5 V for LUB-S-B	-	-	-	-	-	-	✓	-	6
LAT-BAT-SL	Li battery, 4.5 V for LUB-S-B	-	-	-	-	-	-	✓	-	7
LAT-BAT-A	Al battery, 6.0 V for Lubricus B (generation II, from 2020)	-	-	-	-	-	-	-	✓	8
LAT-BAT-L	Li high performance battery, 3.0 V for Lubricus B (generation I, until 2019)	-	-	-	-	-	-	-	✓	9
LAT-BAT-4	Li high performance battery, 6.0 V for Lubricus B (generation II, from 2020)	-	-	-	-	-	-	-	✓	10
SOL-24-V-1	Sololube 24 V adapter for models: Xtra60, Xtra150	-	✓	-	-	-	-	-	-	11
SOL-24-V-2	Sololube 24 V adapter for model: Xtra250	-	✓	-	-	-	-	-	-	11

Figures



Connection cables

Connection cables are available in different lengths and designs. The connection cable with a four-pin M12x1 connector plug and LED angled plug socket is particularly practical, as it displays additional information about the device's operating state visually via the LEDs on the plug.

Perhaps you need a special length? **Contact us!**



Art. no.	Connection cables for wired models	Length									Fig.no.
MAT-WI-LX-V-2-0	Connection cable, M16, open end	2 m	-	-	✓*	-	-	-	-	-	1
MAT-WI-LX-V-10-0	Connection cable, M16, open end	10 m	-	-	✓*	-	-	-	-	-	1
MAT-WI-LX-V-2-0-G	Connection cable, M16 angled, open end	2 m	-	-	✓*	-	-	-	-	-	2
GAT-WI-0-3	Connection cable, M8x1, open end	3 m	-	-	-	✓	✓	-	-	-	3
GAT-WI-0-5	Connection cable, M8x1, open end	5 m	-	-	-	✓	✓	-	-	-	3
GAT-WI-0-10	Connection cable, M8x1, open end	10 m	-	-	-	✓	✓	-	-	-	3
LAT-WI-0-5	Connection cable, M12x1, open end	5 m	-	-	-	-	-	-	✓	✓	4
LAT-WI-0-10	Connection cable, M12x1, open end	10 m	-	-	-	-	-	-	✓	✓	4
LAT-WI-ST-LED-5	Connection cable, M12x1, open end, with LED angled socket	5 m	-	-	-	-	-	-	✓	✓	5
LAT-WI-ST-LED-10	Connection cable, M12x1, open end, with LED angled socket	10 m	-	-	-	-	-	-	✓	✓	5
LAT8080	Power supply/transformer 230 VAC / 24 VDC incl. connection cable (EU version)	3,20 m	-	-	-	-	-	-	✓	✓	6
Figures											
     											

* suitable for **Lubricajo LUX-V**

Brackets

Art. no.	Brackets	Material									Fig.no.
GAT2800	Universal mounting bracket	Stainless steel	✓	✓	✓	✓	✓	✓	✓	-	1
GAT2010	Holding clamp for G-LUBE	Plastic	✓*	-	-	-	-	-	-	-	2
GAT2010M	Magnetic holding clamp for G-LUBE	Plastic, magnet	✓*	-	-	-	-	-	-	-	3
GAT2008	Steel holding clamp for G-LUBE	Galvanized steel, rubber	✓*	-	-	-	-	-	-	-	4
SAT1051	Support adapter for G-LUBE G 1/4" x G 1/4"	Steel	✓*	-	-	-	-	-	-	-	5
SAT1052	Support adapter for G-LUBE G 1/4" x G 1/4"	Stainless steel	✓*	-	-	-	-	-	-	-	5
SAT2010	Holding clamp for Lubricajo	Plastic	✓*	-	-	-	-	-	-	-	6
JAT1051	Support adapter incl. sealing ring for Lubricajo	Steel	✓*	-	-	-	-	-	-	-	7
JAT1052	Support adapter incl. sealing ring for Lubricajo	Stainless steel	✓*	-	-	-	-	-	-	-	7

Art. no.	Brackets	Material										Fig.no.
SAT8020	Mounting bracket for Sololube	Stainless steel	-	✓	-	-	-	-	-	-	-	8
SAT7800	Universal mounting bracket	Stainless steel	✓	✓	✓	✓	✓	✓	✓	✓	-	9
LAT8802	Mounting bracket for LUB-S	Stainless steel	-	-	-	-	-	-	✓	-	-	10
LAT8803	Mounting bracket for LUB-S	Stainless steel	-	-	-	-	-	-	✓	-	-	11
LAT8804	Mounting bracket for LUB-S + progressive distributor	Stainless steel	-	-	-	-	-	-	✓	-	-	12
LAT8801	Mounting bracket for Lubricus	Coated zinc	-	-	-	-	-	-	-	-	✓	13
Figures												
            												

* Only compatible with the lubrication system specified in the description.

Protective covers

Art. no.	Protective covers to protect lubrication systems from water and dust										Fig.no.
MAT9080-240	Protective cover for all electromechanical Lubricajo models with 120/240 ml	-	-	✓	-	-	-	-	-	-	1
MAT9080-480	Protective cover for all electromechanical Lubricajo models with 480 ml	-	-	✓	-	-	-	-	-	-	1
GAT2019-125	Protective cover for all G-LUBE EM models with 60/120/125 ml	-	-	-	-	✓	✓	-	-	-	2
GAT2019-250	Protective cover for all G-LUBE EM models with 240/250 ml	-	-	-	-	✓	✓	-	-	-	2
GAT2019-500	Protective cover for all G-LUBE EM and G-LUBE EM OIL models with 480/500 ml	-	-	-	✓	✓	-	-	-	-	2
LAT9092	Protective cover for LUB-S	-	-	-	-	-	-	✓	-	-	3
LAT9091	Protective cover for Lubricus 400 ml	-	-	-	-	-	-	-	✓	-	4
LAT9090	Protective cover incl. holder for Lubricus 400 ml	-	-	-	-	-	-	-	-	✓	5
Figures											
    											

Other accessories

Art. no.	Other accessories									Fig.no.
MAT9050	Time ring holder incl. time rings for Lubricajo B and V	-	-	✓	-	-	-	-	-	1
MAT9052	Set containing 6 stop washers and a locking ring for Lubricajo B, V, LUX-B and LUX-V	-	-	✓	-	-	-	-	-	2
GAT9050	Vibration sensor	-	-	-	-	-	✓	-	-	3
Figures										
  										

Distributors

Splitters

Splitters portion the lubricant quantity evenly across the outlets and are suitable for oils and greases up to NLGI class 2. The amount of lubricant yielded by the lubrication system can be split into two, three or four parts and then transported to the lubrication point.



Art. no.	Splitter (divider) for grease OR oil	Material									Fig.no.
LAT-Split-2	Splitter 1:2 for grease	Aluminium	-	-	✓*	-	✓	✓	✓	✓	1
LAT-Split-3	Splitter 1:3 for grease	Aluminium	-	-	✓*	-	✓	✓	✓	✓	2
LAT-Split-4	Splitter 1:4 for greaset	Aluminium	-	-	✓*	-	✓	✓	✓	✓	3
LAT-Split-20	Splitter 1:2 for oil >ISO VG100	Aluminium	-	-	-	✓	-	-	✓	✓	1
LAT-Split-30	Splitter 1:3 for oil >ISO VG100	Aluminium	-	-	-	✓	-	-	✓	✓	2
LAT-Split-40	Splitter 1:4 for oil >ISO VG100	Aluminium	-	-	-	✓	-	-	✓	✓	3
LAT-Split-20-S	Splitter 1:2 for oil <ISO VG100	Aluminium	-	-	-	✓	-	-	✓	✓	1
Figures											
  											

For all battery-operated models, a lithium battery is required when connecting a distributor.

* For operation with electromechanical Lubicajo models, a hose expansion connector (Art. No. LAT7105) is required for each outlet of the progressive distributor.

Progressive distributors

The progressive distributors have a variable modular design. Lubricant is "forcibly" progressively distributed via a follow-up piston. In this way, the amount of lubricant yielded by the lubrication system can be split equally. Progressive distributors can be used for oils and greases up to NLGI class 2.

All progressive distributors are also offered as part of a **LUB-S-V** set (see page 55).



Art. no.	Progressive distributors (PRV) for grease and oil		Material								Fig.no.
LAT-PRV-2	2 outlets	LAT-PRV-3	3 outlets	Aluminium	-	-	✓*	✓	✓	✓	1 2
LAT-PRV-4	4 outlets	LAT-PRV-5	5 outlets	Aluminium	-	-	✓*	✓	✓	✓	3 4
LAT-PRV-6	6 outlets	LAT-PRV-7	7 outlets	Aluminium	-	-	✓*	✓	✓	✓	5 6
LAT-PRV-8	8 outlets	LAT-PRV-9	9 outlets	Aluminium	-	-	✓*	✓	✓	✓	7 8
LAT-PRV-10	10 outlets	LAT-PRV-11	11 outlets	Aluminium	-	-	✓*	✓	✓	✓	9 10
LAT-PRV-12	12 outlets			Aluminium	-	-	✓*	✓	✓	✓	11
Figures											
          											

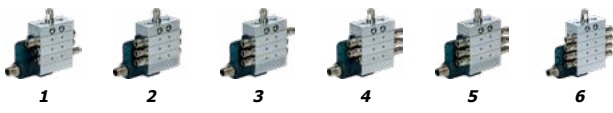
For all battery-operated models, a lithium battery is required when connecting a distributor.

* For operation with electromechanical Lubicajo models, a hose expansion connector (Art. No. LAT7105) is also required for each outlet of the progressive distributor.

Monitored progressive distributors

This extended version of a progressive distributor enables remote operation monitoring. A signal is transferred to a sensor and an evaluable return signal is generated at each piston movement. LEDs on the connector's housing then indicate the switching status of the progressive distributor.



Art. no.	Monitored progressive distributors (PRV-M) for grease and oil		Material											Fig.no.
LAT-PRV-2-M	2 outlets	LAT-PRV-3-M	3 outlets	Aluminium	-	-	✓*	✓	✓	✓	✓	✓	✓	1 2
LAT-PRV-4-M	4 outlets	LAT-PRV-5-M	5 outlets	Aluminium	-	-	✓*	✓	✓	✓	✓	✓	✓	3 4
LAT-PRV-6-M	6 outlets	LAT-PRV-8-M	8 outlets	Aluminium	-	-	✓*	✓	✓	✓	✓	✓	✓	5 6
Figures														
														

For all battery-operated models, a lithium battery is required when connecting a distributor.

* For operation with electromechanical Lubicajo models, a hose expansion connector (Art. No. LAT7105) is required for each outlet of the progressive distributor.

PLC-controllable distributors

This extended distributor version is controlled via the PLC. The individual outlets can be mechanically opened and closed independently of one another. Built-in check valves prevent the distributor from being affected by the lubrication points' varying counter pressures and ensure the PRV-PLC's excellent reliability.



Art. no.	PLC-controllable distributors for grease and oil for PLC-enabled lubrication systems		Material											Fig.no.
LAT-PRV-4-PLC	4 outlets		Zinc die casting	-	-	✓*	✓	✓	-	✓	✓			1
LAT-PRV-8-PLC	8 outlets		Zinc die casting	-	-	✓*	✓	✓	-	✓	✓			2
LAT-PRV-12-PLC	12 outlets		Zinc die casting	-	-	✓*	✓	✓	-	✓	✓			3
Figures														
														

* For operation with electromechanical Lubicajo models, a hose expansion connector (Art. No. LAT7105) is required for each outlet of the progressive distributor.



Accessories for applying lubricant

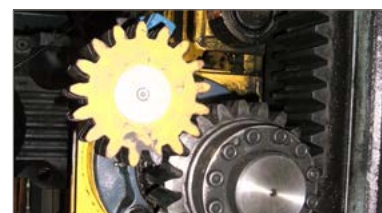
Lubrication gears & axles

Lubrication gears

The lubricant passes through the axle and appropriate holes in the foam material. With just a low contact pressure, the stored lubricant is released again. The open-cell Polyurethane foam stores the lubricant and releases it again in very small doses. In this way, over-lubrication is effectively prevented, as is possible wear caused by a lack of lubrication.

Operating temperature: -30 to +150 °C / -22 to +302 °F

Lubrication gears can be combined with all Gruetzner lubricant dispensers.

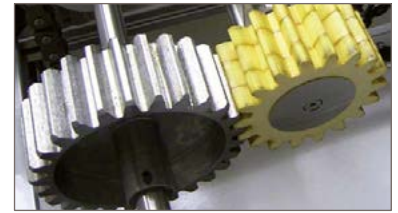


Gear tooth system				Module	Width
straight	sloping right rising	sloping left rising			
Art. no.			Lubrication gears		
LAT-SZ-G-2	LAT-SZ-R-2	LAT-SZ-L-2	Lubrication gear module 2, incl. sleeve, without axis	02	20 mm
LAT-SZ-G-3	LAT-SZ-R-3	LAT-SZ-L-3	Lubrication gear module 3, incl. sleeve, without axis	03	30 mm
LAT-SZ-G-4	LAT-SZ-R-4	LAT-SZ-L-4	Lubrication gear module 4, incl. sleeve, without axis	04	40 mm
LAT-SZ-G-5	LAT-SZ-R-5	LAT-SZ-L-5	Lubrication gear module 5, incl. sleeve, without axis	05	50 mm
LAT-SZ-G-6	LAT-SZ-R-6	LAT-SZ-L-6	Lubrication gear module 6, incl. sleeve, without axis	06	60 mm
LAT-SZ-G-8	LAT-SZ-R-8	LAT-SZ-L-8	Lubrication gear module 8, incl. sleeve, without axis	08	80 mm
LAT-SZ-G-10	LAT-SZ-R-10	LAT-SZ-L-10	Lubrication gear module 10, incl. sleeve, without axis	10	100 mm
Figures					
 <i>straight</i> <i>sloping left rising</i> <i>sloping right rising</i>					

Axles

Different fastening axles are available for the lubricating gearwheels. Dependent on the installation or supply of lubricant, right-angled or straight axles can be used.

Mounting options for the axles can be found on page 41. Axles can be combined with all Gruetzner lubrication gears.



Straight axles				Angled axles			
Art. no.	Fixing of axle	Thread hollow axle	Width	Art. no.	Fixing of axle	Thread hollow axle	Width
LAT-A-2	M10	M6	20 mm	LAT-A-2G	M8	M10x1	20 mm
LAT-A-3	M10	M6	30 mm	LAT-A-3G	M8	M10x1	30 mm
LAT-A-4	M10	M6	40 mm	LAT-A-4G	M8	M10x1	40 mm
LAT-A-5	M16	M10x1	50 mm	LAT-A-5G	M8	M10x1	50 mm
LAT-A-6	M16	M10x1	60 mm	LAT-A-6G	M8	M10x1	60 mm
LAT-A-8	M16	M10x1	80 mm	LAT-A-8G	M8	M10x1	80 mm
LAT-A-10	M16	M10x1	100 mm	LAT-A-10G	M8	M10x1	100 mm

Figures



Art. no.	Axle mountings	Holes	per axle (not included)	Material	Fig.no.
LAT-BRA-S-10	Mounting bracket small	M10	straight	Stainless steel V2A	1
LAT-BRA-L-10	Mounting bracket large	M10	straight	Stainless steel V2A	2
LAT-BRA-S-16	Mounting bracket small	M16	straight	Stainless steel V2A	3
LAT-BRA-L-16	Mounting bracket large	M16	straight	Stainless steel V2A	4
LAT1040	Extension 51 mm M10x1 x G1/4"	-	angled	Steel, zinc-nickel-galvanised	5
LAT1041	Extension 66.5 mm M10x1 x G1/4"	-	angled	Steel, zinc-nickel-galvanised	6

Figures



Chain lubrication pinions

Besides lubricant brushes, chain lubrication pinions are a very reliable, clean alternative for lubricating chains. As with the lubricating of gearwheels, the lubricant passes through the axle and corresponding holes into the foam material, the pinion ensures quiet running.

Chain lubrication pinions can be combined with all Gruetzner lubricant dispensers and used with oil only. The open-cell polyurethane foam rollers transfer the lubricant in a point-wise manner to the surfaces of the lugs of roller chains. The mechanical force to drive the rollers is ensured by a low-wear plastic pinion. Chain lubrication pinions are designed for use with oil and at an operating temperature between -30 and +80 °C / -22 and +176 °F. Special models suitable for larger temperature ranges are available on request.



Simplex		Duplex		Chain lubrication pinions with straight axle	Fixing of axle	Thread hollow axle
Art. no.	ISO no.	Art. no.	ISO no.			
LAT-KR-S-08	08 B-1	LAT-KR-D-08	08 B-2	Chain lubrication pinion with straight axle, 1/2" x 5/16"	M10	M6
LAT-KR-S-10	10 B-1	LAT-KR-D-10	10 B-2	Chain lubrication pinion with straight axle, 5/8" x 3/8"	M10	M6
LAT-KR-S-12	12 B-1	LAT-KR-D-12	12 B-2	Chain lubrication pinion with straight axle, 3/4" x 7/16"	M10	M6
LAT-KR-S-16	16 B-1	LAT-KR-D-16	16 B-2	Chain lubrication pinion with straight axle, 1" x 17 mm	M10	M6
LAT-KR-S-20	20 B-1	LAT-KR-D-20	20 B-2	Chain lubrication pinion with straight axle, 1 1/4" x 3/4"	M16	M10x1
LAT-KR-S-24	24 B-1	LAT-KR-D-24	24 B-2	Chain lubrication pinion with straight axle, 1 1/2" x 1"	M16	M10x1
LAT-KR-S-32	32 B-1	LAT-KR-D-32	32 B-2	Chain lubrication pinion with straight axle, 2" x 1 1/4"	M16	M10x1

Figures



Simplex		Duplex		Chain lubrication pinions with angled axle	Fixing of axle	Thread hollow axle
Art. no.	ISO no.	Art. no.	ISO no.			
LAT-KR-S-08-G	08 B-1	LAT-KR-D-08-G	08 B-2	Chain lubrication pinion with angled axle, 1/2" x 5/16"	M8	M10x1
LAT-KR-S-10-G	10 B-1	LAT-KR-D-10-G	10 B-2	Chain lubrication pinion with angled axle, 5/8" x 3/8"	M8	M10x1
LAT-KR-S-12-G	12 B-1	LAT-KR-D-12-G	12 B-2	Chain lubrication pinion with angled axle, 3/4" x 7/16"	M8	M10x1
LAT-KR-S-16-G	16 B-1	LAT-KR-D-16-G	16 B-2	Chain lubrication pinion with angled axle, 1" x 17 mm	M8	M10x1
LAT-KR-S-20-G	20 B-1	LAT-KR-D-20-G	20 B-2	Chain lubrication pinion with angled axle, 1 1/4" x 3/4"	M8	M10x1
LAT-KR-S-24-G	24 B-1	LAT-KR-D-24-G	24 B-2	Chain lubrication pinion with angled axle, 1 1/2" x 1"	M8	M10x1
LAT-KR-S-32-G	32 B-1	LAT-KR-D-32-G	32 B-2	Chain lubrication pinion with angled axle, 2" x 1 1/4"	M8	M10x1

Figures

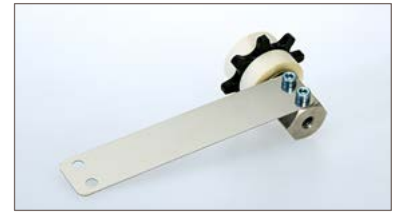


If you have a special application that is too complex for lubrication using standard chain lubrication pinions, you can use a special lubricating roll (see page 50).

Mounting chain lubrication pinions & lubrication gears

Spring steel sheets with chain lubrication pinion

Spring steel sheets allow the chain lubrication pinions to be installed quickly and easily. A light preload ensures the continuous supply of lubricant; a further advantage of this type of installation is that the whole assembly can flexibly yield to fluctuations and vibrations. The spring steel sheet is available in both short and long versions and can be combined with an **angled axle**.



Spring steel sheets with chain lubrication pinion	Simplex		Duplex	
	Steel sheet 150 mm	Steel sheet 284 mm	Steel sheet 150 mm	Steel sheet 284 mm
Chain lubrication pinion 1/2" x 5/16"	LAT-KR-S-08-FG	LAT-KR-S-08-FFG	LAT-KR-D-08-FG	LAT-KR-D-08-FFG
Chain lubrication pinion 5/8" x 3/8"	LAT-KR-S-10-FG	LAT-KR-S-10-FFG	LAT-KR-D-10-FG	LAT-KR-D-10-FFG
Chain lubrication pinion 3/4" x 7/16"	LAT-KR-S-12-FG	LAT-KR-S-12-FFG	LAT-KR-D-12-FG	LAT-KR-D-12-FFG
Chain lubrication pinion 1" x 17 mm	LAT-KR-S-16-FG	LAT-KR-S-16-FFG	-	-
Chain lubrication pinion 1 1/4" x 3/4"	LAT-KR-S-20-FG	-	-	-
Figures				
				

Tensioning elements

The tensioning element enables the setting of an optimum contact pressure. In addition, the sturdy construction ensures stability and so increases work safety during operation. The tensioning element can only be used with **straight axles** (deflection max. 50 mm, clamping force 350 N).



Art. no.	Tensioning elements	Material	Figures
LAT-SP-10	Tensioning element for axle M10	Steel	 <i>exemplary illustration</i>
LAT-SP-16	Tensioning element for axle M16	Steel	

Flexible brackets

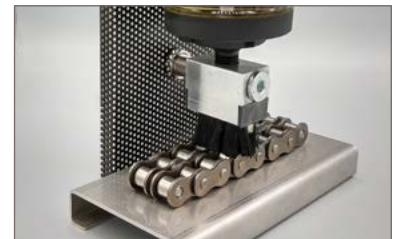
A flexible, springy bracket is a simple installation option for chain lubrication pinions or lubrication gears. Thanks to the spring built into the joint, the contact pressure can be individually adjusted, and at the same time the bracket can also cushion counter-movements. Depending upon the size of the axle used, the holes in the flexible bracket are either size M10 or M16. The bracket is available with the flexible joint on either the right or left side.



Art. no.	Flexible brackets	Material	Figures
LAT-FL-WI-L-10	Bracket left for axle M10	Steel	 <i>exemplary illustration chain lubrication pinion and hose screw connection not included in the scope of delivery</i>
LAT-FL-WI-R-10	Bracket right for axle M10	Steel	
LAT-FL-WI-L-16	Bracket left for axle M16	Steel	
LAT-FL-WI-R-16	Bracket right for axle M16	Steel	

Brushes

Thanks to the broad range of brush accessories, the lubrication dispensers can be ideally and professionally installed on the corresponding chain applications with round or square brushes. Exact dosage and precise feed substantially decrease lubricant consumption. Brushes can be combined with all Gruetzner lubricant dispensers and used with oil only.



Art. no.	Brushes	Length of bristles (mm)	Top feeding	Both-sided feeding	Material	Fig. no.
SAT2041	Round brush Ø 28 mm, thread R $\frac{1}{4}$ "	15	✓	-	Polyamide	1
SAT2034	Round brush Ø 28 mm, thread R $\frac{1}{4}$ "	45	✓	-	Polyamide	2
GAT2038	Square brush 25 mm width, thread G $\frac{1}{4}$ ", 2 blind plugs included	20	✓	✓	Aluminium, polyamide	3
GAT2035	Square brush 40 mm width, thread G $\frac{1}{4}$ ", 2 blind plugs included	20	✓	✓	Aluminium, polyamide	4
GAT2036	Square brush 70 mm width, thread G $\frac{1}{4}$ ", 2 blind plugs included	20	✓	✓	Aluminium, polyamide	5
GAT2037	Square brush 100 mm width, thread G $\frac{1}{4}$ ", 2 blind plugs included	20	✓	✓	Aluminium, polyamide	6
SAT2034-HT	High temperature round brush Ø 25 mm, thread G $\frac{1}{4}$ ", up to 300 °C / 572 °F	45	✓	-	Brass, stainless steel	7
SAT2036-HT	High temperature square brush 57 mm width, thread G $\frac{1}{4}$ ", up to 300 °C / 572 °F	28	✓	-	Brass, stainless steel	8

Figures

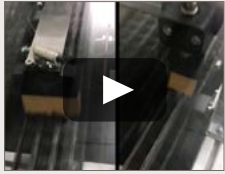


- Oil can be fed in from 3 sides
- Lubricator can be installed in any position
- Lubricator can be changed during operation



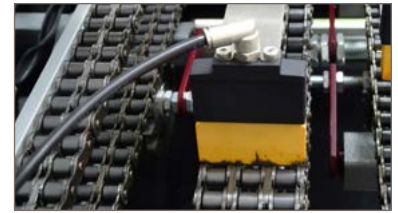
Oil applicators

Video: Chain lubrication



CLICK

Applicators apply oil evenly and purposefully to chains and are characterised by particular durability: The application surface consists of 100% wear-resistant polyurethane foam. The durability of the material not only allows it to be used with high-speed chains up to 5 m/s, which cannot be lubricated by brushes or pinions. Sensitive areas such as food production also benefit from the extremely low abrasion, as contamination of the environment can be almost ruled out.



The oil applicator is supplied completely pre-assembled, including spring plate and hose connector, and can be installed quickly and easily.

Applicators can be combined with all Gruetzner lubricators and used with oil only.

Art. no.	Oil applicators	Width	Material	Fig. no.
GAT-AP-30	Oil applicator with spring steel and hose connector (Ø 6 mm, integrated check valve)	30 mm	Polyamide, polyurethane foam	1
GAT-AP-45	Oil applicator with spring steel and hose connector (Ø 6 mm, integrated check valve)	45 mm	Polyamide, polyurethane foam	2
GAT-AP-60	Oil applicator with spring steel and hose connector (Ø 6 mm, integrated check valve)	60 mm	Polyamide, polyurethane foam	3
GAT-AP-85	Oil applicator with spring steel and hose connector (Ø 6 mm, integrated check valve)	85 mm	Polyamide, polyurethane foam	4
Figures				
				

Oil applicator for lifts

To avoid dry friction, elevator guide rails must be lubricated continuously. Use of an oil applicator reduces maintenance and cleaning work, both in the cabin and shaft. The rail is simultaneously lubricated and cleaned. The device is installed either directly on the cabin roof or on the guide shoe.



Art. no.	Oil applicator for lifts	Width	Material	Fig. no.
GAT2042	Oil applicator for lifts, rail width 5-16 mm, thread G1/4", incl. reducer SAT1021	58 mm	Polyamide, polyurethane foam	1
Figures				
				

On page 56 you will find complete kits for mounting and commissioning the elevator applicator.

Lubricating rolls

For many applications, such as special chains or wheel flange lubrication, it is difficult to find a "one size fits all" solution. For cases such as these we offer lubricating rolls made from various materials that come in different widths and diameters. Special sizes with straight or angled axles are also possible – **simply contact us!** Brushes can be combined with all Gruetzner lubricant dispensers.



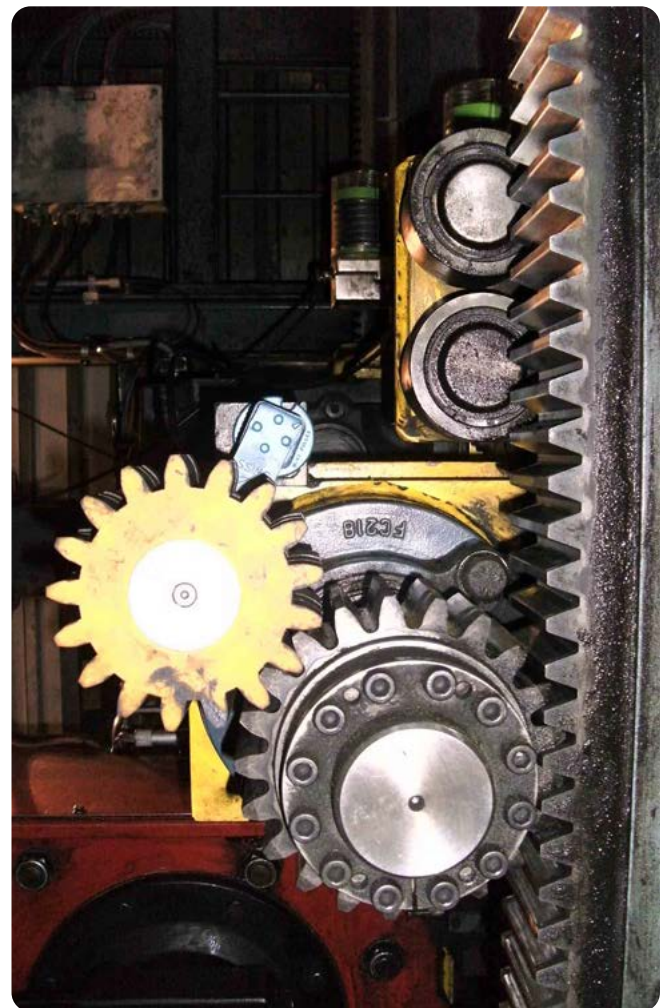
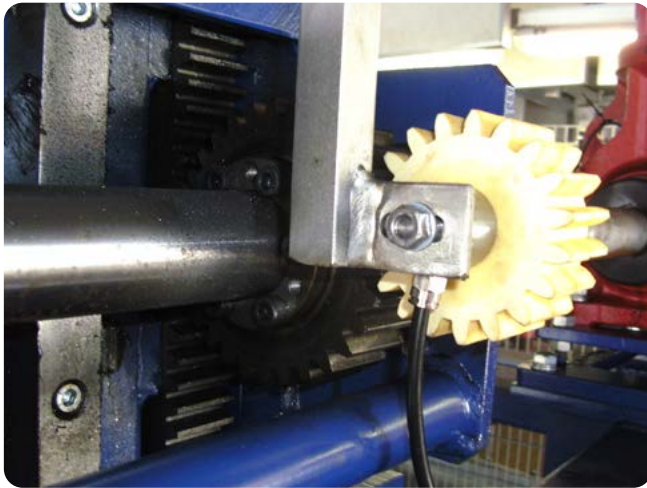
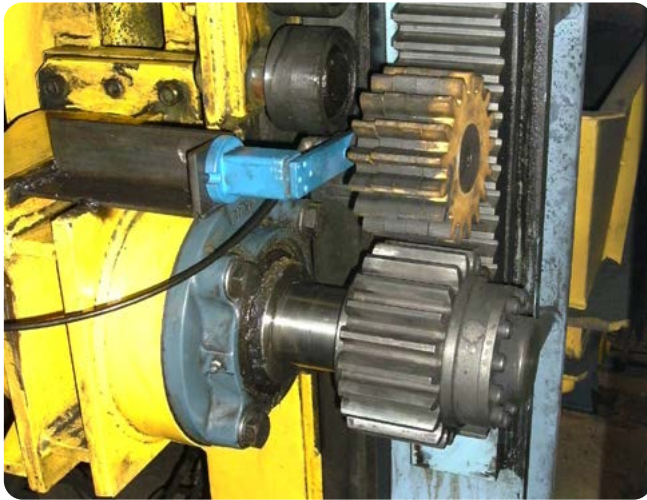
Lubricating rolls (diameter x width)	Material	Lubri- cant	Thread	Straight axles	Angled axles	
				Without steel sheet	Steel sheet 150 mm	Steel sheet 284 mm
				Art. no.	Art. no.	Art. no.
Lubricating roll 30 mm x 45 mm	PU foam	Oil	M6	LAT-RO-30-45-A	LAT-RO-30-45-FG	-
Lubricating roll 40 mm x 30 mm	PU foam	Oil	M6	LAT-RO-40-30-A	LAT-RO-40-30-FG	-
Lubricating roll 50 mm x 60 mm	PU foam	Oil	M10x1	LAT-RO-50-60-A	LAT-RO-50-60-FG	-
Lubricating roll 70 mm x 50 mm	PU foam	Oil	M10x1	LAT-RO-70-50-A	LAT-RO-70-50-FG	-
Lubricating roll 100 mm x 100 mm	PU foam	Oil	M10x1	LAT-RO-100-100-A	-	-
Lubricating roll for wheel flange 60 mm x 20 mm - for grease	Plastic	Grease	M10x1	-	-	LAT-RO-60-20-FFG-S
Lubricating roll for wheel flange 90 mm x 20 mm - for grease	Plastic	Grease	M10x1	-	-	LAT-RO-90-20-FFG-S
Figures						
						

Condition on delivery: unassembled



Applications of accessories

Lubrication gears



Lubricating rolls





Chain lubrication pinions



Distributors



Brushes



Gruetzner sets

Starter sets

Gruetzner starter sets are designed for first-time users. They include a selection of connection parts for installation on most machines and lubrication points. The sets are tailored to the respective lubrication systems; brackets, hoses and other accessories may also be included, depending on the model and installation type. A detailed overview can be found in the following tables.

Please note that all starter sets are supplied without a lubrication system and without a battery/connection cable. Please order these separately, as needed.

Direct mounting

The best option for installing single-point lubricant dispensers is direct installation at the lubrication point. Lubrication nipple out, reducer in (if needed) and directly attach the lubrication dispenser. Please order the desired lubrication system separately.

Please order lubricator separately



Suitable for	Starter set: direct mounting	Consisting of	Figures	Order separately, if needed
Art. no.: SET-DM-Main				
	G-LUBE		Lubricajo	
	SOLOLUBE			Al battery: SOL-BAT
	Lubricajo B		Lubricajo LUX-B	Al battery: MAT-BAT-A Li battery: MAT-BAT-L
	Lubricajo V		Lubricajo D	
	Lubricajo LUX-V			Connection cable: MAT-WI- LX-V-10-0
	G-LUBE EM B		G-LUBE VIB	Al battery: GL-BAT-A Li battery: GL-BAT-L
	G-LUBE EM V		G-LUBE EM D	
Art. no.: SET-DM-LUB-S				
	LUB-S-B	SAT1020 SAT1022 SAT1024 SAT1026 LAT1099	Reducer G $\frac{1}{4}$ " x G $\frac{1}{8}$ " Reducer G $\frac{1}{4}$ " x M6 Reducer G $\frac{1}{4}$ " x M8x1 Reducer G $\frac{1}{4}$ " x M10x1 Extension 50 mm Bent connection 45°	
	LUB-S-V			Al battery: LAT-BAT-SA Li battery: LAT-BAT-SL
				Connection cable: LAT-WI-0-5



LUB-S-V
indirect
mounting

Indirect mounting

If direct installation is not possible for structural reasons, lubricant dispensers can be installed indirectly. Our indirect installation starter sets include appropriate connectors, hose adapters and hoses to match the type of system. Please order the desired lubrication system separately.

Please order lubricator separately

Suitable for	Starter set: indirect mounting		Consisting of	Figures	Order separately, if needed
Art. no.: SET-IM-GL					
 G-LUBE		GAT2010 SAT2000 SAT1020 SAT1022 SAT1024 SAT1026 SAT1060 SAT1071	Bracket for lubricator Hose Ø 8/6 mm, 1 m Reducer G¼" x G1/8" Reducer G¼" x M6 Reducer G¼" x M8x1 Reducer G¼" x M10x1 Hose adapter G¼" Hose adapter G¼"	       	
Art. no.: SET-IM-LJ					
 Lubricajo		SAT2010 SAT2000 SAT1020 SAT1022 SAT1024 SAT1026 SAT1060 SAT1071	Bracket for lubricator Hose Ø 8/6 mm, 1 m Reducer G¼" x G1/8" Reducer G¼" x M6 Reducer G¼" x M8x1 Reducer G¼" x M10x1 Hose adapter G¼" Hose adapter G¼"	       	
Art. no.: SET-IM-SOL					
 SOLOLUBE		SAT7800 SAT2000 SAT1020 SAT1022 SAT1024 SAT1026 SAT1071	Bracket for lubricator Hose Ø 8/6 mm, 1 m Reducer G¼" x G1/8" Reducer G¼" x M6 Reducer G¼" x M8x1 Reducer G¼" x M10x1 2x Hose adapter G¼"	       	Al battery: SOL-BAT
Art. no.: SET-IM-LJ-EM-OIL					
 Lubricajo B	 Lubricajo LUX-B	SAT7800 MAT2000 SAT1020 SAT1022 SAT1024 SAT1026 SAT1071	Bracket for lubricator Sturdy polyamide hose, Ø 8/6 mm, 3 m Reducer G¼" x G1/8" Reducer G¼" x M6 Reducer G¼" x M8x1 Reducer G¼" x M10x1 2x Hose adapter G¼"	       	Al battery: MAT-BAT-A Li battery: MAT-BAT-L
 Lubricajo V	 Lubricajo D				
 Lubricajo LUX-V					Connection cable: MAT-WI- LX-V-10-0
Art. no.: SET-IM-GL-EM-OIL					
 G-LUBE EM B OIL		SAT7800 LAT8002 LAT7079 LAT7079G SAT1046 GAT2035	Bracket for lubricator Hose Ø 6/4 mm, 3 m Hose adapter G¼" Hose adapter G¼" angled Screwed connection 60 mm G¼" Square brush 40 mm width	     	Al battery: GL-BAT-A Li battery: GL-BAT-L
 G-LUBE EM V OIL	 G-LUBE EM D OIL				

Suitable for	Starter set: indirect mounting	Consisting of		Figures	Order separately, if needed			
Art. no.: SET-IM-GL-EM								
	G-LUBE EM B		G-LUBE VIB	SAT7800 LAT8002 LAT7079 LAT7084G LAT7087G LAT7076G LAT7079G	Bracket for lubricator Hose Ø 6/4 mm, 3 m Hose adapter G1/4" Hose adapter M6 angled Hose adapter M10x1 angled Hose adapter G1/8" angled Hose adapter G1/4" angled	   	Al battery: GL-BAT-A Li battery: GL-BAT-L	
	G-LUBE EM V							G-LUBE EM D
Art. no.: SET-IM-LUB-S								
	LUB-S-B		LUB-S-V	LAT8803 LAT8002 LAT7087 LAT7084G LAT7087G LAT7076G LAT7079G	Bracket for lubricator Hose Ø 6/4 mm, 3 m Hose adapter M10x1 Hose adapter M6 angled Hose adapter M10x1 angled Hose adapter G1/8" angled Hose adapter G1/4" angled	   	Al battery: LAT-BAT-SA Li battery: LAT-BAT-SL	
								Connection cable: LAT-WI-0-5
Art. no.: SET-IM-LUB								
	Lubricus B		Lubricus V	LAT8002 LAT7084G LAT7087G LAT7076G LAT7079G	Hose Ø 6/4 mm, 2 m Hose adapter M6 angled Hose adapter M10x1 angled Hose adapter G1/8" angled Hose adapter G1/4" angled	  	Li battery: LAT-BAT-4	
	Lubricus D							
								Connection cable: LAT-WI-0-10



Distribution sets

To enable multipoint lubrication, progressive distributor sets suiting **LUB-S-V** are available. Those sets consist of a **LUB-S-V** drive unit, a progressive distributor (which can be chosen from 2 to 12 outlets on page 42), a special mounting bracket, a small piece of high-pressure hose and a hose connector. The sets are assembled completely and all components are pre-filled with lubricant. Please order the lubricant cartridge separately.

Please order cartridge separately

Suitable for	Progressive distributor sets	Consisting of	Order separately, if needed
Art. no.: SET-PRV-LUB-S			
	LUB-S-V	LUB-S-V LAT8804 LAT8002 LAT7087 PRV	Drive Bracket for lubricator Hose Ø 6/4 mm, 5 cm Hose adapter M10x1 Progressive distributor
Figures			
			

Lubrication sets for elevator rails

To avoid dry friction, elevator guide rails must be lubricated continuously. The lubrication set for elevator rails is a complete solution for mounting and commissioning oil applicators for elevator rails. In addition to the mount, it also includes a storage bottle to hold 50 ml of universal oil and, optionally, a lubricant dispenser.

Lubrication sets for elevator rails	Consisting of	Figures	Incl. lubricator
	Art. no.: SET-APP		
	KA-005 Storage bottle with 50 ml of universal oil (no. 14) GAT2042 2x Oil applicator for lifts GAT2880 2x Mounting bracket SAT1021 2x Reducer G $\frac{1}{4}$ " x G $\frac{1}{4}$ " GAT4040 4x Hexagonal nut M6x16 GAT4041 4x Screw M6x40 mm	 1x  2x  2x  4x  4x	-
	Art. no.: SET-APP-GL60		
	GL14-60 2x Lubricator G-LUBE 60 ml KA-005 Storage bottle with 50 ml of universal oil (no. 14) GAT2042 2x Oil applicator for lifts GAT2880 2x Mounting bracket SAT1021 2x Reducer G $\frac{1}{4}$ " x G $\frac{1}{4}$ " GAT4040 4x Hexagonal nut M6x16 GAT4041 4x Screw M6x40 mm	 1x  2x  2x  4x  4x	 2x
	Art. no.: SET-APP-GL120		
	GL14-120 2x Lubricator G-LUBE 120 ml KA-005 Storage bottle with 50 ml of universal oil (no. 14) GAT2042 2x Oil applicator for lifts GAT2880 2x Mounting bracket SAT1021 2x Reducer G $\frac{1}{4}$ " x G $\frac{1}{4}$ " GAT4040 4x Hexagonal nut M6x16 GAT4041 4x Screw M6x40 mm	 1x  2x  2x  4x  4x	 2x

Model scheme

Model	Distribution period	Lubricant volume	Operating pressure max.	Working voltage	Self-fillable	Refillable (cartridge replacement if necessary)	Multipoint lubrication possible	Intermittent operation	Operation with grease	Operation with oil	Other	Page	
Electrochemical single point lubrication													
	G-LUBE	1, 3, 6, 9, 12 months	60 ml 120 ml 240 ml	5 bar 73 psi	3.0 V battery	✓	✗	✗	✗	✓	✓	Ex	4
	Lubricajo	1–12 months	60 ml 125 ml	5 bar 73 psi		✓	✗	✗	✗	✓	✓	Ex	6
Electromechanical single point lubrication													
	Sololube	1-12 months	60 ml 150 ml 250 ml	7,5 bar 108 psi	6.0 V battery or 24 VDC	✓	✓	✗	✗	✓	✓		8
	Lubricajo B	1 week - 16 months	120 ml 240 ml 480 ml	25 bar 363 psi	4,5 V battery	✗	✓	✓	✗	✓	✗		10
	Lubricajo V	1 week -16 months			24 VDC	✗	✓	✓	✓	✓	✗		10
	Lubricajo D	synchronised lubrication				✗	✓	✓	✓	✓	✗		10
	Lubricajo LUX-B	1 week -16 months			4,5 V battery	✗	✓	✓	✗	✓	✗		10
	Lubricajo LUX-V	synchronised lubrication			24 VDC	✗	✓	✓	✓	✓	✗		10
	G-LUBE EM B	1-12 months	60 ml 125 ml 250 ml 500 ml	60 bar 870 psi	4,5 V battery	✗	✓	✓	✗	✓	✗		14
	G-LUBE EM B OIL	0,5, 1, 2, 4, 6, 12, 18, 24 months	500 ml	10 bar 145 psi		✓	✓	✓	✗	✗	✓		16



Model		Distribution period	Lubricant volume	Operating pressure max.	Working voltage	Self-fillable	Refillable (cartridge replacement if necessary)	Multipoint lubrication possible	Intermittent operation	Operation with grease	Operation with oil	Other	Page
	G-LUBE EM V	1-12 months	60 ml 120 ml 240 ml 480 ml	60 bar 870 psi	9-36 VDC	✗	✓	✓	✓	✓	✗	• performance monitoring via PLC	14
	G-LUBE EM V OIL		480 ml	10 bar 145 psi		✓	✓	✓	✓	✗	✓		16
	G-LUBE EM D	synchronised lubrication	60 ml 120 ml 240 ml 480 ml	60 bar 870 psi	9-36 VDC	✗	✓	✓	✓	✓	✗	• control via PLC possible	14
	G-LUBE EM D OIL		480 ml	10 bar 145 psi		✓	✓	✓	✓	✗	✓		16
	G-LUBE VIB	1-12 months	60 ml 125 ml 250 ml	60 bar 870 psi	4.5 V battery	✗	✓	✓	✓	✓	✗	• vibration sensor	20
	LUB-S-B	1-24 months	125 ml	35 bar 435 psi	4.5 V battery	✗	✓	✗	✗	✓	✓		22
	LUB-S-V	1-24 months	125 ml 250 ml	50 bar 725 psi	24 VDC	✗	✓	✓	✓	✓	✓	• control via PLC possible	

Model	Distribution period	Lubricant volume	Operating pressure max.	Working voltage	Self-fillable	Refillable (cartridge replacement if necessary)	Multipoint lubrication possible	Intermittent operation	Operation with grease	Operation with oil	Other	Page	
Electromechanical multipoint lubrication													
	Lubricus B	1-36 months or pause time	250 ml 400 ml	70 bar 1015 psi	6.0 V battery	✗	✓	✓	✗	✓	✓	• 1-2 outlets	24
	Lubricus B-EB		400 ml		6.0 V external battery	✗	✓	✓	✗	✓	✓	• 1-2 outlets • externes Batterie-fach	24
	Lubricus B-EB OIL					✓	✓	✓	✗	✗	✓		
	Lubricus V	1-36 months or pause time	250 ml 400 ml	70 bar 1015 psi	24 VDC	✗	✓	✓	✓	✓	✓	• 1-2 outlets • control via PLC possible	24
	Lubricus V OIL		400 ml			✓	✓	✓	✓	✗	✓		
	Lubricus D	pause time (control via PLC)	250 ml 400 ml	70 bar 1015 psi	24 VDC	✗	✓	✓	✓	✓	✓	• 1-4 outlets • external control / PLC	24
	Lubricus D OIL		400 ml			✓	✓	✓	✓	✗	✓		

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