









PRODUCT CATALOGUE

modern lubrication technology





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Gruetzner GmbH

Gruetzner GmbH has established itself as a specialist for automatic lubrication systems since 1994. As a family-owned and family-managed company, we focus upon the solution capabilities of our technical experience with regard to single-point and multi-point lubrication systems for customers and markets.

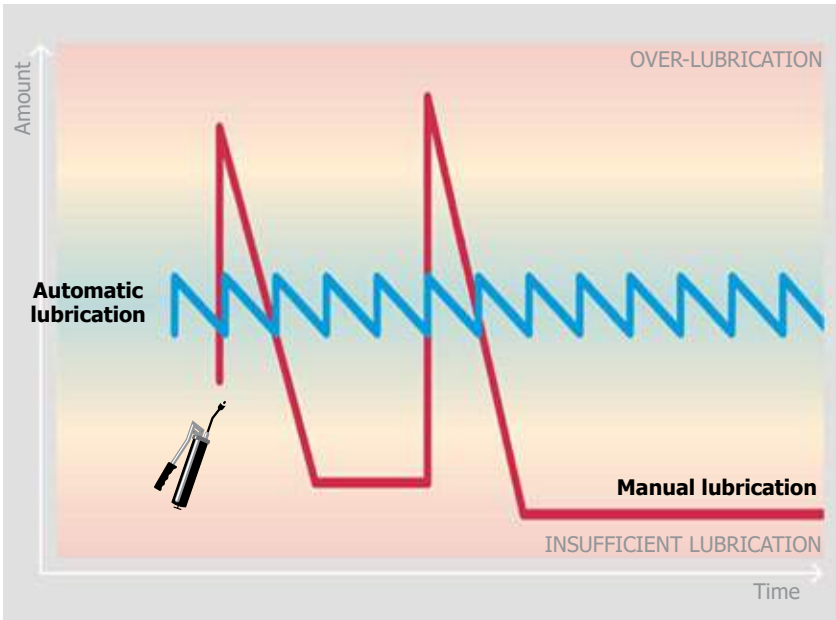
Our flexible and user-friendly lubrication solutions are used in almost all areas of maintenance in every industry across the globe. In addition to improving productivity and extending operating time, the use of lubrication systems also improves work safety.



Advantages of automatic lubrication with lubricators

Lubricators replace costly manual lubrication. This not only saves time, but also prevents insufficient or over-lubrication. The costs can thus be reduced by up to 30 percent.

Optimised lubricant delivery



Continuous lubricant delivery with automatic lubricators effectively prevents insufficient or over-lubrication that often occurs with manual lubrication.

Lower costs thanks to lubricators



Higher cost-efficiency:

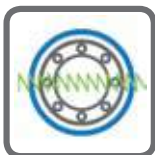
- Time-saving and greater safety at work thanks to fewer maintenance intervals
- Longer machine service life and less unplanned down-time

Benefits of automatic lubrication



No more manual lubrication

- Saves time
- Greater work safety
- Hard-to-reach lubrication points are permanently supplied
- Lower lubricant consumption



No under- or over-lubrication of components

- Less wear
- Less machine downtime
- Increased machine performance
- Reducing energy costs



Sealed, dustproof and waterproof system

- No more confusion of lubricants
- Reduced risk of contamination
- No contamination of lubrication points

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.

Sololube – safe automatic lubrication

Sololube has a robust, very precise drive motor, supplied with voltage by a high-capacity 6V Li battery. The lubricant cartridge – optionally with 150 cm³ or 250 cm³ content – is simply screwed to the drive unit.

With a delivery pressure of 7.5 bar, the Sololube works automatically, 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.

The performance of the 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.

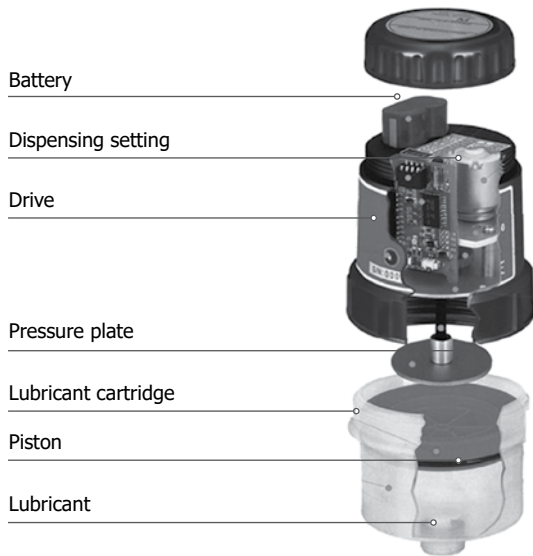
Sololube – your benefits

- Precise, reliable delivery of lubricant
- Delivery pressure 7.5 bar
- Dispensing period 1–12 months
- Visual warning of malfunction (LED)
- Operating temperature -20°C to +60°C
- Can be used outdoors
- Independent of temperature
- Special fillings available
- Hose up to 2.5m long
- Visual check possible at all times
- Easy to operate



Components

Specifications



Product	Automatic single-point lubricator for greases & oils		
Model	Sololube Basic	Sololube Xtra150	Sololube Xtra250
Drive	Electromechanical (reusable)		
Operating pressure	Max. 7.5 bar		
Setting	1–12 months		
Lubricant volume	150 ml	150 ml	250 ml
Lubricating medium	Greases and oils up to NLGI 2		
Temperature range	-20°C to +60°C		
Operational voltage	6.0 V (Li battery)		
Weight without lubricant	570 g		698 g
Weight with lubricant	~ 710 g		~ 925 g
Dimensions H x Ø	16.6 cm x 8.9 cm		19.6 cm x 10.25 cm
Performance monitoring	Red LED	Green/red LED	

Sololube - solid and flexible

Sololube is available in three models: the **Basic** and **Xtra150** models use the 150 cm³ cartridge, while the larger **Xtra250** (cartridge 250 cm³) should be deployed when more lubricant is required. Practical: all models can use the same battery!



Sololube BASIC

- Electromechanical drive unit including 6V battery
- Reusable drive
- Lubricant cartridge 150 cm³
- Red LED for monitoring performance



Sololube Xtra150

- Electromechanical drive unit including 6V battery
- Reusable drive
- Lubricant cartridge 150 cm³
- Green/red LED for monitoring performance



Sololube Xtra250

- Electromechanical drive unit including 6V battery
- Reusable drive
- Lubricant cartridge 250 cm³
- Green/red LED for monitoring performance





LUB5 – Electromechanical Lubricator

The LUB5 is an electromechanical lubricant dispenser designed to supply single lubrication points with oil or grease. The lubricant dispenser is intended for stand-alone operation as the energy supply is provided by an integrated battery pack. The LUB5 is designed for a variety of applications for single point lubrication.

LUB5 – self-filling

The lubricant is stored in a refillable 120ml reservoir. Maximum supply pressure is 10 bar. The LUB5 can be (re)filled quickly and easily at any time using a grease gun.

The battery pack has a total capacity of four years or five refills (depending on which occurs first). The dispensing period of the LUB5 can be set to 1, 3, 6, 12 or 24 months.

LUB5 – your benefits

- Electromechanical drive
- Delivery pressure 10 bar
- Up to 24 months per filling
- Refillable up to 5 times without any follow-up costs
(total 720ml or a maximum of 48 months)
- Self-filling possible
- Oil or grease up to NLGI cl. 2
- No additional tools required for operation
- -20°C to +60°C operating temperature
(with suitable lubricant)



Components

Specifications

Activation cap
Filling nipple
Housing
Lubricant
Drive
Setting runtime
Outlet thread 1/4"



Product	Automatic single-point lubricator for greases & oils
Model	LUB5
Drive	Electromechanical
Operating pressure	Max. 10 bar
Setting	1/3/6/12/24 months
No. of discharges	Per filling 120 ml (max. 6 = 720 ml*)
Lubricating medium	Greases and oils up to NLGI 2
Temperature range	-20°C to +60°C
Operational voltage	3.0 V (Li battery)
Weight without lubricant	~ 304 g
Weight with lubricant	~ 500 g
Dimensions H x Ø	12.7 cm x 7 cm
Performance monitoring	Green/red LED

* 6 discharges or an operational period of 48 months (whichever comes soonest)

LUB5 – Lubrication up to 24 months



The running time per filling is adjusted directly on the device. The remaining filling cycles are shown by LEDs.

Possible malfunctions are also shown via LEDs. When using the suitable lubricant, the LUB5 can be emptied 6 times or used for an operating period of 48 months maximum.



Refilling of the dispenser does not have to wait until the lubricant is completely empty; the dispenser can also be refilled seamlessly during normal operation.



"Easy filling"
LUB 5 can be filled easily and quickly by using a grease gun

UP TO
24
MONTHS

LED
DISPLAY

OPERATING
PRESSURE
10
BAR

MOUNTING
IN ANY
POSITION

MAX
48
MONTH
LIFETIME

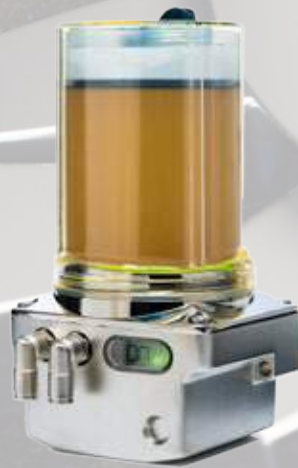
MICRO
CONTROLLER

REFILL
5x

BATTERY
POWERED



LUBRICUS



Lubricus – innovative, flexible, adaptable!

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.

Lubricus – the adaptive and compact lubrication system

The Lubricus lubrication system 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 (24VDC).

The 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, the Lubricus is optimally suited for upgrades or retrofitting.

Lubricus – your benefits

- Delivery pressure up to 70 bar (1015 psi)
- Connection to machinery controls possible
- Running time 1–36 months
- Optical warning in the case of malfunction (LED)
- Operating temperature range -20°C to +70°C
- Fault/empty reporting
- Temperature-independent feed rate
- Oil or grease up to NLGI cl. 2
- Special fillings available



Components

Specifications

Actuation magnet

Lubricant cartridge

Housing

Drive

Display

Outlets



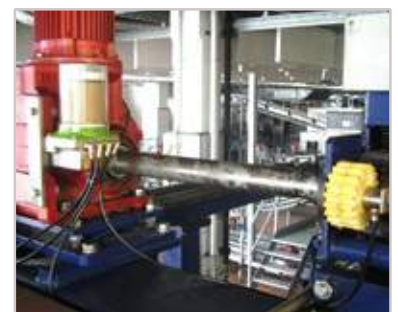
Product	Automatic single-point lubricator for greases & oils
Model	Lubricus
Drive	Electromechanical
Operating pressure	Max. 70 bar
Setting	1–36 months
Lubricant volume	400 ml
Lubricating medium	Greases and oils up to NLGI 2
Temperature range	-20°C to +70°C
Operational voltage	3.0 V (Li battery) or 24 VDC
Weight without lubricant	~ 1120 g
Weight with lubricant	~ 1620 g
Dimensions	112 x 196 x 94 mm
Performance monitoring	Green/red LED

Lubricus – flexible lubrication due to our model variety

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



	LUBRICUS B	LUBRICUS V	LUBRICUS C	LUBRICUS D
Number of outlets	1, 2	1, 2	1, 2, 3, 4	1, 2, 3, 4
Display on the device	Yes	Yes	No	No
Operational voltage	Battery	24 V	24 V	24 V
Running time	1–36 months	1–36 months (Intermittent operation possible)	Individually adjustable	Individually adjustable
Time/pulse control	Time mode	Time mode	Time mode	Pulse control
Temperature range	-20°/+70°	-20°/+70°	-20°/+80°	-20°/+70°
Volume	400 cm ³	400 cm ³	400 cm ³	400 cm ³
Operation/dialogue	Directly on device	Directly on device	Lubricus Controller required	External control / PLC



Lubricus B – independent thanks to battery power



The battery-operated variant of the Lubricus lubrication system is always used when an autarchic 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.

- 1 or 2 outlets, 70 bar supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)

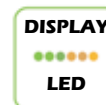


Lubricus V – take a break



The 24V variant of the Lubricus lubrication system is always the right choice when a power supply can be simply attached. The LUB-V's strengths become particularly apparent during discontinuous operation.

- 1 or 2 outlets, 70 bar supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)
- Error readouts possible



Lubricus D – pulse control

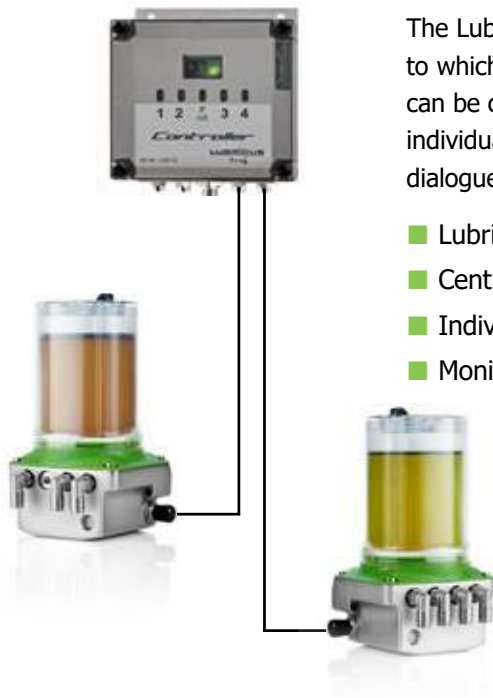


Lubricus Type D is designed for external control and 24 VDC voltage supply. Depending on the model, the Lubricus lubrication system Type D has 1, 2, 3 or 4 outlets. Connection to the PLC is required.

- 1, 2, 3 or 4 outlets, 70 bar supply pressure
- Flexible, individual volume assignment
- Feedback to the connected unit
- Exact control and lubricant dosing



Lubricus C – outsourced monitoring

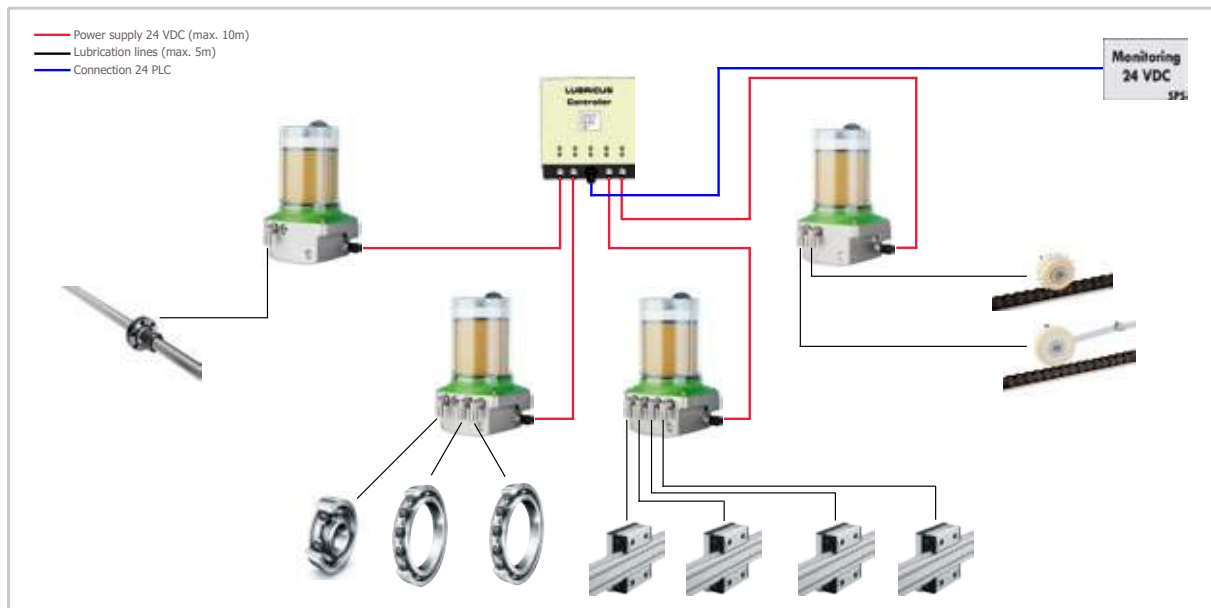


The Lubricus controller is used for external monitoring of the Lubricus, to which up to four Lubricus lubrication systems (4 outlets each = 16) can be connected. The connected Lubricus lubricating devices can be individually controlled and monitored using the Lubricus Controller. The dialogue takes place via a simple to operate LCD display.

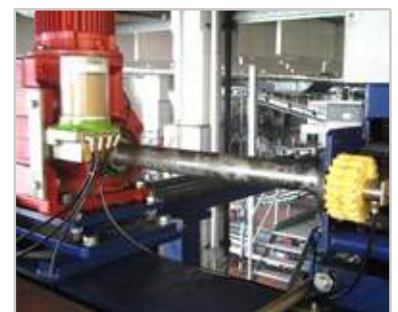
- Lubricating units are attached close to the actual lubricating points
- Central monitoring is possible (e.g. PLC)
- Individual supply volumes possible
- Monitoring of up to 16 lubrication points



Lubricus C – installation example



The Lubricus Controller monitors and controls four Lubricus lubricating devices, which in turn supply a varying number of lubricating points. The paths that the lubricant has to travel along the lines can be kept simple and short; nevertheless central monitoring takes place via the Lubricus Controller. Installation and maintenance requirements are sustainably reduced.



LUBRICUS M



Lubricus M – automatic lubrication of up to 10 lube points

Depending on the model (LUB-M2/LUB-M4/LUB-M6/LUB-M8/LUB-M10), the Lubricus M lubrication system has either 2, 4, 6, 8 or 10 outlets and is designed for a 24 VDC power supply. The lubricant reservoir for grease (1500 cm³) is in a disposable bellows. Supply pressure is <70 bar. External control is possible via PLC.

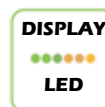
Lubricus – flexible lubrication

The Lubricus M lubrication system is optionally equipped with up to five pump bodies (P1, P2, P3, P4, P5). The double piston pump bodies each have two outlets, are operated alternately and provide the same quantities of lubricant. Lubricus M can work either in time mode or in pulse mode (PLC).

In time mode, the internal controls monitor both the amount of lubricant and the time intervals between lubrications.

In pulse mode, the desired lubrication intervals are performed by programming the PLC. Regardless of the selected mode, each pump body can be controlled separately.

- Time control OR pulse control
- System monitoring & feedback function
- Separate control of each pump body
- Error/empty message shown on display
- Supplies oil and grease up to NLGI class 2



Components

- Actuation magnet
- Lubricant cartridge/
container for oil
- Housing
- Drive
- Display
- LED pump body
- Outlets



Specifications

Product	Automatic single-point lubricator for greases & oils
Model	Lubricus M
Drive	Electromechanical
Operating pressure	Max. 70 bar
Setting	Time control or pulse control
Lubricant volume	Grease (1500 cm ³) or oil (2000 ml)
Lubricating medium	Oils and greases up to NLGI cl. 2
Temperature range	-20°C to +70°C
Operational voltage	24 VDC
Weight without lubricant	~ 4000 g
Connection:	Hose 6/4mm
Dimensions H x Ø	BxHxT 162 x 255 x 165mm
Performance monitoring	Green/red LED

























Gruetzner accessories and standard lubricants

On the following pages you can find various accessory components that could be very helpful for the installation of our lubrication systems. Depending on whether the lubrication system is to be attached directly to the lubrication point or indirectly installed to dispense via a hose – here, you will find the right connectors for easily and correctly installing our lubrication systems.

Please note that some connectors are only suitable for specific lubricant dispensers.
















Fittings











Art-No.	Reducer				Material	Fig. No.	Figures
SAT1020	Reducer G1/4" x G1/8"	✓	✓	✓	Brass nickel-plated	1	        
SAT1021	Reducer G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	2	
SAT1022	Reducer G1/4" x M6	✓	✓	✓	Brass nickel-plated	3	
SAT1023	Reducer G1/4" x M8	✓	✓	✓	Brass nickel-plated	4	
SAT1024	Reducer G1/4" x M8x1	✓	✓	✓	Brass nickel-plated	5	
SAT1025	Reducer G1/4" x M10	✓	✓	✓	Brass nickel-plated	6	
SAT1026	Reducer G1/4" x M10x1	✓	✓	✓	Brass nickel-plated	7	
SAT1027	Reducer G1/4" x M12	✓	✓	✓	Brass nickel-plated	8	
SAT1028	Reducer G1/4" x M12x1,5	✓	✓	✓	Brass nickel-plated	9	

Art-No.	Extensions Screwed connection				Material	Fig. No.	Figures
SAT1040	Extension 35 mm G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	1	      
SAT1041	Extension 50 mm G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	2	
SAT1042	Extension 75 mm G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	3	
SAT1043	Extension 115 mm G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	4	
SAT1045	Screwed connection 25 mm, incl. 1 nut G1/4"i x G1/4"a	✓	✓	✓	Brass nickel-plated	5	
SAT1046	Screwed connection 60 mm, incl. 2 Mutter G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	6	
SAT1005	90°-fitting incl. extension G1/4" x G1/4" (use only with oil)	✓	✓	✓	Aluminium	7	

Brackets

Art-No.	Brackets				Material	Fig. No.	Figures
SAT2800	Mounting bracket (universally adjustable)	-	✓	-	Browned steel	1	  
SAT8020	Mounting bracket for Sololube Lubricator	✓	-	-	Galvanized steel	2	
SAT7800	Mounting bracket for LUB5 Lubricator	✓	✓	-	Galvanized steel	3	

Art-No.	Bent connections & other fittings				Material	Fig. No.	Figures
SAT1001	Bent connection 45° G1/4" x G1/4"	✓	✓	✓	Galvanized steel	1	           
SAT1001E	Bent connection 45° G1/4" x G1/4"	✓	✓	✓	Stainless steel	2	
SAT1002	Bent connection 90° G1/4" x G1/4"	✓	✓	✓	Galvanized steel	3	
SAT1002E	Bent connection 90° G1/4" x G1/4"	✓	✓	✓	Stainless steel	4	
SAT1010	Connection nipple R3/8" x G1/4"	✓	✓	✓	Brass nickel-plated	5	
SAT1011	Connection nipple R1/2" x G1/4"	✓	✓	✓	Brass nickel-plated	6	
SAT3020	Double socket G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	7	
SAT1093	Double socket G1/4" x G1/4"	✓	✓	✓	Brass nickel-plated	8	
SAT1050	Y-manifold	✓	✓	✓	Brass nickel-plated	9	
SAT3012	Refill-nipple for filling Sololube	✓	✓	✓	Brass nickel-plated	10	
SAT2021	Check valve G1/4" x G1/4"	✓	✓	-	Brass nickel-plated	11	

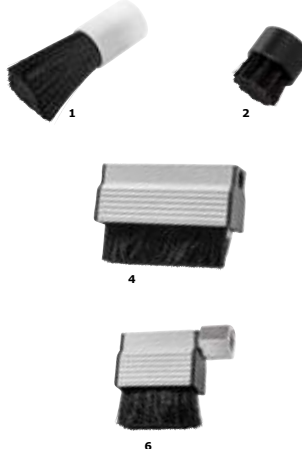
Art-No.	Hose connectors & hoses				Material	Fig. No.	Figures
SAT1060	Hose adapter G1/4" for hose Ø 8 mm	✓	✓	-	Brass nickel-plated	1	      
SAT1071	Hose adapter G1/4" for hose Ø 8 mm	✓	✓	-	Brass nickel-plated	2	
SAT1071G	Hose adapter angled G1/4" for hose Ø 8 mm	✓	✓	-	Brass nickel-plated	3	
SAT2000	Hose Ø outside 8mm/ Ø inside 6mm, per meter	✓	✓	-	PU	4	
LAT8002	High pressure hose for Lubricus, 6/4 mm, unfilled, per meter	-	-	✓	PA12	5	
SAT3017	Hose filling adapter for hose 8 mm	✓	✓	-	Brass nickel-plated	6	
LAT3017	Hose filling adapter for hose 6 mm	-	-	✓	Brass nickel-plated	7	

Brushes, rolls

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.

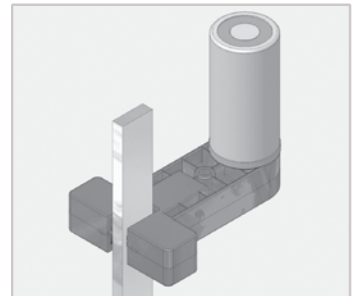


Art-No.	Brushes (for all systems)		Material	Fig. No.	
SAT2034	Round brush Ø 25 mm, length of bristles 45 mm, thread G1/4" top		Polyamide	1	
SAT2041	Round brush Ø 25 mm, length of bristles 15 mm, thread G1/4" top		Polyamide	2	
SAT2035	Square brushes 40 mm width, length of bristles 20 mm, thread. G1/4" top		Aluminium/polyamide	3	
SAT2036	Square brushes 70 mm width, length of bristles 20 mm, thread. G1/4" top		Aluminium/polyamide	4	
SAT2037	Square brushes 100 mm width, length of bristles 20 mm, thread. G1/4" top		Aluminium/polyamide	5	
SAT2035s	Square brushes 40 mm width, length of bristles 20 mm, thread. G1/4" lateral		Aluminium/polyamide	6	
SAT2036s	Square brushes 70 mm width, length of bristles 20 mm, thread. G1/4" lateral		Aluminium/polyamide	7	
SAT2037s	Square brushes 100 mm width, length of bristles 20 mm, thread. G1/4"lateral		Aluminium/polyamide	8	

Elevator brush

The guide rails on elevators need to be permanently lubricated in order to prevent dry friction. By dispensing precisely the right amount of lubricant, the lubrication system reduces the need for maintenance and cleaning work on the elevator cabin and shaft. Automatic lubrication protects the rail with a constant film of oil and cleans it at the same time.

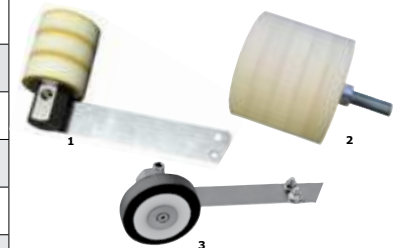
Art-No.	Elevator brush (for all systems)	
SAT2042	Rail width 5–16 mm, height 32 mm, thread G1/4" top	



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!**









Art-No.	Lubricating rolls (for all systems)		Fig. No.	Figures
LAT-RO-30-45-FG	PU-lubricating roll, angled axle and single spring steel, Ø 30 mm, width 45 mm		1	
LAT-RO-40-30-FG	PU-lubricating roll, angled axle and single spring steel, Ø 40 mm, width 30 mm		1	
LAT-RO-70-50	PU-lubricating roll, straight axle, Ø 70 mm, width 50 mm		2	
LAT-RO-100-100	PU-lubricating roll, straight axle, Ø 100 mm, width 100 mm		2	
LAT-RO-90-20-FFG-S	Plastic lubricating roll for wheel flange, Ø 90 mm, width 20 mm		3	
LAT-RO-60-20-FFG-S	Plastic lubricating roll for wheel flange, Ø 60 mm, width 20 mm		3	

Gruetzner standard lubricants















Standard lubricants – Greases

GREASE				NLGI Class	Thickener	Temperature range	Viscosity at 40 °C	Applications					
								Roller bearings	Plain bearings	Linear guides	Gears/ toothed racks	Spindles	Shaft seals
													
Art-No.													
01 Multipurpose grease Water-resistant, long-term grease	SOL-KA01	LUB5-01	LUB-KA01	2	Lithium-calcium	-30 °C to 120 °C	118	+	+	●	●	+	+
02 High-performance grease with MoS ₂	SOL-KA02	LUB5-02	LUB-KA02	2	Lithium	-25 °C to 130 °C	270	●	+	—	+	—	—
03 High temperature grease 160°C (cont. 220°C)	SOL-KA03	LUB5-03	LUB-KA03	1	Polyurea	-40 °C to 160° (220°)	150	+	+	—	—	●	—
04 High temperature grease 160°C	SOL-KA04	LUB5-04	LUB-KA04	2	Inorganic thickener	-20 °C to 160 °C	540	+	●	—	●	●	—
05 High pressure grease	SOL-KA05	LUB5-05	LUB-KA05	2	Calcium sulphate complex	-20 °C to 150°C	410	+	+	—	●	—	—
06 Fluid grease	SOL-KA06	LUB5-06	LUB-KA06	0	Lithium-calcium	-20 °C to 120 °C	150	+	+	+	+	●	—
07 Heavy duty grease	SOL-KA07	LUB5-07	LUB-KA07	0	Lithium-Calcium	-30 °C to 150 °C	800	—	+	—	+	●	—
09 Biodegradable grease	SOL-KA09	LUB5-09	LUB-KA09	2	Lithium-Calzium	-40 °C to 120 °C	130	+	+	●	●	—	—
10 Food Industry grease 	SOL-KA10	LUB5-10	LUB-KA10	1	Aluminium-complex	-20 °C to 160 °C	460	+	+	●	+	●	—

+ recommended • possible - not recommended

Standard lubricants – Oils

OIL				Base oil	Temperature range	Viscosity at 40 °C	Applications					
							Roller bearings	Plain bearings	Linear guides	Gears/toothed racks	Spindles	Chains
Art-No.												
14 Chain oil	SOL-KA14	LUB5-14	LUB-KA14	Mineral oil	-10 °C to 90 °C	68	—	•	•	—	—	+
15 High-temperature chain oil	SOL-KA15	LUB5-15	LUB-KA15	Ester/SHC	-20 °C to 300 °C	270	—	•	•	—	—	+
64 Biodegradable oil	SOL-KA64	LUB5-64	LUB-KA64	Synthetic oil	-20 °C to 100°	100	—	•	•	—	—	+
70 Food Industry oil (NSF-H1)	SOL-KA70	LUB5-70	LUB-KA70	Synthetic oil	-30 °C to 100 °C	100	—	•	•	—	—	+














+ recommended • possible — not recommended

Standard lubricants vs. self-filling

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 almost all 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!**

Self-filling & supplied lubricant

Unfilled				NLGI class	Thickener	Applications						
						Roller bearings	Plain bearings	Linear guides	Gears/toothed racks	Spindles	Shaft seals	Chains
Art-No.												
00 Empty, for self-filling	SOL-KA00	LUB5-00	—	Max. 2	Any	+	+	+	+	+	+	+
X Filled with supplied lubricant	SOL-KA-X	LUB5-X	LUB-KA-X	Max. 2	Any	+	+	+	+	+	+	+

+ recommended • possible — not recommended

Lubricus accessories








LUBRICUS

Lubricus accessories

Art-No.	Hose fittings straight & angled for hose Ø 6 mm		Material	Fig. No.	Figures
LAT7097	Hose adapter M5	✓	Brass nickel-plated	1	   
LAT7084	Hose adapter M6	✓	Brass nickel-plated	2	
LAT7085	Hose adapter M6 x 0,75	✓	Brass nickel-plated	3	
LAT7086	Hose adapter M8 x 1	✓	Brass nickel-plated	4	
LAT7087	Hose adapter M10 x 1	✓	Brass nickel-plated	5	
LAT7076	Hose adapter G1/8"	✓	Brass nickel-plated	6	
LAT7079	Hose adapter G1/4"	✓	Brass nickel-plated	7	
LAT7097G	Hose adapter M5 angled	✓	Brass nickel-plated	8	   
LAT7084G	Hose adapter M6 angled	✓	Brass nickel-plated	9	
LAT7085G	Hose adapter M6 x 0,75 angled	✓	Brass nickel-plated	10	
LAT7086G	Hose adapter M8 x 1 angled	✓	Brass nickel-plated	11	
LAT7087G	Hose adapter M10 x 1 angled	✓	Brass nickel-plated	12	
LAT7076G	Hose adapter G1/8" angled	✓	Brass nickel-plated	13	
LAT7079G	Hose adapter G1/4" angled	✓	Brass nickel-plated	14	

The Lubricus delivers the lubricant to the lubrication point with an operating pressure of up to 70 bar. Accordingly, all connecting parts must also meet these requirements and are designed for pressures of up to 100 bar.

**only
for LUBRICUS**





Art-No.	Hose connectors		Material	Fig. No.	Figures
LAT7100	Hose connectors 6 mm to 6 mm straight	✓	Brass nickel-plated	1	   
LAT7100G	Hose connectors 6 mm to 6 mm angled	✓	Brass nickel-plated	2	
LAT7101	Hose connectors 6 mm to 8 mm straight	✓	Brass nickel-plated	3	
LAT 1050-6	Y-Hose connectors 6 mm to 6 mm	✓	Brass nickel-plated	4	

Splitter & connection cables

Splitter for Lubricus

Splitters portion the lubricant quantity evenly across the outlets and are suitable for oils and greases up to NLGI grade 2. Splitters only work when used with the Lubricus lubrication system piston pumps. The amount of lubricant yielded by the Lubricus lubrication system can be split into two, three or four parts and then transported to the lubrication point.







Art-No. for grease	Art-No. for oil	Splitter (divider) for grease OR oil		Material	Fig. No.	Figures
LAT-Split-2	LAT-Split-20	Splitter 1:2	✓	Aluminium	1	  
LAT-Split-3	LAT-Split-30	Splitter 1:3	✓	Aluminium	2	
LAT-Split-4	LAT-Split-40	Splitter 1:4	✓	Aluminium	3	

Progressive distributor for Lubricus

The progressive distributors for the Lubricus lubrication system 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 Lubricus lubrication system can be split equally. Progressive distributors can be used for oils and greases up to NLGI grade 2.















Progressive distributor for grease and oil					Material	Figures
Art-No.						
LAT-PRV-2 2 outlets	LAT-PRV-3 3 outlets	LAT-PRV-4 4 outlets	LAT-PRV-5 5 outlets	✓	Galvanized steel	  
LAT-PRV-6 6 outlets	LAT-PRV-7 7 outlets	LAT-PRV-8 8 outlets	LAT-PRV-9 9 outlets	✓	Galvanized steel	

Connection cables for Lubricus

Connection cables are available in various lengths for the Lubricus lubrication system M12x1 connectors (4-pin, A-coded). The connection cable with LED angled connectors is particularly popular, as its LEDs also provide visual information about the device's operating status. Perhaps you need a special length? **Contact us!**



Art-No.	Connection cables for Lubricus		Fig. No.	Figures
LAT-WI-0-5	Connection cable, M12x1, open end, 5 m	✓	1	   
LAT-WI-0-10	Connection cable, M12x1, open end, 10 m	✓	2	
LAT-WI-8-5	Connection cable, M12x1/M8x1, 5 m, (Connection Lubricus Type C with Lubricus Controller)	✓	3	  
LAT-WI-8-10	Connection cable, M12x1/M8x1, 10m, (Connection Lubricus Type C with Lubricus Controller)	✓	4	
LAT-WI-ST-LED-5	Connection cable, M12x1, open end, 5m with LED angled socket	✓	5	  
LAT-WI-ST-LED-10	Connection cable, M12x1, open end, 10m with LED angled socket	✓	6	
LAT 8080	Power supply/Transformer 230VAC/24VDC incl. M12x1 connector	✓	7	



Lubrication gear & chain lubrication pinion

Lubrication gear & axles

Lubrication gear

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 PU foam used (open-cell) 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.



Lubrication gear PU-foam, temperature range: -30°C to +150°C	Module	Width	Gear tooth system			Figures
			Straight	Sloping right rising	Sloping left rising	
			Art-No.			
Lubrication gearwheel Module 2, without axle	02	20 mm	LAT-SZ-G-2	LAT-SZ-R-2	LAT-SZ-L-2	
Lubrication gearwheel Module 3, without axle	03	30 mm	LAT-SZ-G-3	LAT-SZ-R-3	LAT-SZ-L-3	
Lubrication gearwheel Module 4, without axle	04	40 mm	LAT-SZ-G-4	LAT-SZ-R-4	LAT-SZ-L-4	
Lubrication gearwheel Module 5, without axle	05	50 mm	LAT-SZ-G-5	LAT-SZ-R-5	LAT-SZ-L-5	
Lubrication gearwheel Module 6, without axle	06	60 mm	LAT-SZ-G-6	LAT-SZ-R-6	LAT-SZ-L-6	
Lubrication gearwheel Module 8, without axle	08	80 mm	LAT-SZ-G-8	LAT-SZ-R-8	LAT-SZ-L-8	
Lubrication gearwheel Module 10, without axle	10	100 mm	LAT-SZ-G-10	LAT-SZ-R-10	LAT-SZ-L-10	



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 23.

Straight axle Figure	Straight axle				Angled axis Figure	Angled axis			
	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	G1/8"	50 mm		LAT-A-5G	M8	M10x1	50 mm
	LAT-A-6	M16	G1/8"	60 mm		LAT-A-6G	M8	M10x1	60 mm
	LAT-A-8	M16	G1/8"	80 mm		LAT-A-8G	M8	M10x1	80 mm
	LAT-A-10	M16	G1/8"	100 mm		LAT-A-10G	M8	M10x1	100 mm

Chain lubrication pinion

Besides lubricant brushes (see page 15), 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 pinion with straight axle	Fixing of axle	Thread hollow axle	Simplex		Duplex	
			Art-No.	ISO-No.	Art-No.	ISO-No.
Chain lubrication pinion with straight axle, PU-foam, 1/2 x 5/16	M10	M6	LAT-KR-S-08	08 B-1	LAT-KR-D-08	08 B-2
Chain lubrication pinion with straight axle, PU-foam, 5/8 x 3/8	M10	M6	LAT-KR-S-10	10 B-1	LAT-KR-D-10	10 B-2
Chain lubrication pinion with straight axle, PU-foam, 3/4 x 7/16	M10	M6	LAT-KR-S-12	12 B-1	LAT-KR-D-12	12 B-2
Chain lubrication pinion with straight axle, PU-foam, 1 x 17	M10	M6	LAT-KR-S-16	16 B-1	LAT-KR-D-16	16 B-2
Chain lubrication pinion with straight axle, PU-foam, 1 1/4 x 3/4	M16	1/8"	LAT-KR-S-20	20 B-1	LAT-KR-D-20	20 B-2
Chain lubrication pinion with straight axle, PU-foam, 1 1/2 x 1	M16	1/8"	LAT-KR-S-24	24 B-1	LAT-KR-D-24	24 B-2
Chain lubrication pinion with straight axle, PU-foam, 2 x 1 1/4	M16	1/8"	LAT-KR-S-32	32 B-1	LAT-KR-D-32	32 B-2

The open-cell PU 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 range between -30°C and +150°C.



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

If you have a special application that is **too complex for lubrication using standard** chain lubrication pinions, you can use a special lubrication roller (see page 15).

Mounting chain lubrication pinion & lubrication gear

Spring steel, flexible bracket, tensioning element


Spring steel sheets

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 (see page 20).

Art-No.	Spring steel	Material	Figures
LAT-FB-1	Single spring steel	Steel	 <p>exemplary illustration Chain lubrication pinion not contained in the scope of delivery</p>
LAT-FB-2	Double spring steel	Steel	

Tensioning element

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 the straight axles (deflection max. 50mm, clamping force 350 N).

Art-No.	Tensioning element	Material	Figure
LAT-SP-10	Tensioning element for axle M10	Steel	 <p>exemplary illustration</p>
LAT-SP-16	Tensioning element for axle M16	Steel	



Flexible bracket

The 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 Bracket	Material	Figure
LAT-FL-WI-L-10	Bracket, left (axle M10)	Steel	 <p>exemplary illustration Chain lubrication pinion and hose adapter are not contained in the scope of delivery</p>
LAT-FL-WI-R-10	Bracket, right (axle M10)	Steel	
LAT-FL-WI-L-16	Bracket, left (axle M16)	Steel	
LAT-FL-WI-R-16	Bracket, right (axle M16)	Steel	





Gruetzner Starter Sets

Direct installation

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 Lubricus lubrication system separately.






Art-No.	Starter Set Direct installation			Consisting of	Figures
SOL-Set-DM	Starter Set Sololube	✓	-	1 x SAT1041 Extension 50 mm 1 x SAT1001 Bent connection 45° 1 x SAT1020 Reducer G1/4"i x G1/8" 1 x SAT1022 Reducer G1/4"i x M6	
LUB5-Set-DM	Starter Set LUB5	-	✓	1 x SAT1024 Reducer G1/4"i x M8x1 1 x SAT1026 Reducer G1/4"i x M10x1	

Please order Lubricator separately

Indirect installation

If direct installation is not possible for structural reasons, the 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.







Sololube -
Indirect installation

Art-No.	Starter Set Indirect installation			Consisting of	Figures 1 = Bracket for Sololube 2 = Bracket for LUB5
SOL-Set-IM	Starter Set Sololube	✓	-	1 x Bracket for Lubricator (Fig. 1,2) 1 x SAT2000 Hose Ø 8 mm /6mm 1 x SAT1020 Reducer G1/4"i x G1/8" 1 x SAT1022 Reducer G1/4"i x M6 1 x SAT1024 Reducer G1/4"i x M8x1 1 x SAT1026 Reducer G1/4"i x M10x1	
LUB5-Set-IM	Starter Set LUB5	-	✓	1 x SAT1060 Hose adapter G1/4" 1 x SAT1071 Hose adapter G1/4"	

Please order Lubricator separately

Starter Sets – Lubricus

Lubricus Starter Sets are available for the variants Lubricus B and Lubricus V and include not only four hose connectors but also 2 x 2m high-pressure hoses. The power supply is either a 24 VDC or battery pack, depending upon the type (LUB-B/LUB-V). Please order the desired Lubricus lubrication system separately.

Art-No.	Starter Set Lubricus B Lubricus V		Consisting of	Figures	Power supply	Figures
LUB-Set-B	Starter Set Lubricus-B-1 or Lubricus-B-2		2 x 2 LAT8002 2 x 2m hose Ø 6/4 mm 2 x LAT7084G Hose adapter angled M6 2 x LAT7087G Hose adapter angled M10x1		1 x LAT-BAT-L Lubricus battery	
LUB-Set-V	Starter Set Lubricus V Lubricus-V-1 or Lubricus-V-2		2 x LAT7076G Hose adapter angled G1/8" 2 x LAT7079G Hose adapter angled G1/4"		1 x LAT-WI-0-10 Connection cable, M12x1, open end, 10m	



Gruetzner GmbH – innovative solutions with high customer benefit

Gruetzner GmbH has established itself as a specialist for automatic lubrication systems since 1994.

As a family-owned and family-managed company, we focus upon the solution capabilities of our technical experience with regard to single-point and multi-point lubrication systems for customers and markets.

Our flexible and user-friendly lubrication solutions are used in almost all areas of maintenance in every industry across the globe. In addition to improving productivity and extending operating time, the use of lubrication systems also improves work safety.



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