



**ROLMAN
WORLD**

**THE WORLD
IN MOTION**

simatec
smart technologies



www.rolman.com



Simatec - Smart Technologies

Bad lubrication practice is the most common root cause of bearing failure. Too much or not enough grease, contamination with dirt and debris from your machine's surroundings – all are factors in your bearings shortened life span. The results are expensive downtime, lost production and, in the worst case, damage to other parts of the machine.

Simatec is a Swiss family-owned company that operates internationally. Since 1983, their employees have been developing and creating innovative products for maintaining roller bearings under the brand names simalube, simatherm and simatool.

The company focuses on delivering direct customer benefits: novel technologies allow simplification of complex operations and reduce the level of maintenance required on thousands of machines the world over.

It is often very difficult to maintain an optimal greasing regime. Busy technicians might forget, or machinery can be hard to reach, often in the most dangerous and inaccessible places on site.



SIMALUBE: continuous lubrication ensures low costs and high reliability.

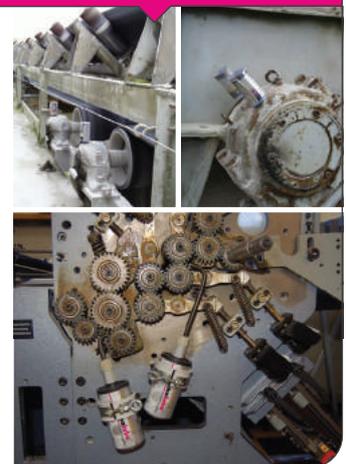
Millions of simalube lubricators are used worldwide in every industry. They are the best and most economical solution for the continuous supply of grease or oil for periods of up to one year.

Advantages of automatic lubrication with simalube

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

Benefits of automatic lubrication with simalube

- 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
- Sealed dustproof and waterproof system
 - No more confusion of lubricants
 - Reduced risk of contamination
 - No contamination of lubrication points
- Compliance to International Standards
 - TUV tested and Ex certified in all zones
 - Improved workplace safety
 - No environmental impact thanks to recycling and disposal according to regulations



Accessories

A comprehensive and practical accessory programme enables a smooth application of simalube lubricators. The accessory programme is arranged in a unit assembly system, ie. the different parts are compatible and can be combined so that every lubricating problem can be solved.

- Adapters and connectors
- Fitting & reducing nipples
- Extensions
- Mounting supports
- Protective covers
- Lubricant application
- Clamps, fixtures & brackets
- Brushes
- Hoses
- Greases & Oils





Food and Beverage

- Bearing lubrication on a vegetable washing machine
- Filling line in the beverage industry
- Chain lubrication on rice washing machine
- Conveyor in the beverage industry
- Palletizer in the dairy industry
- Turret lubrication in the meat industry



Elevators, Cranes & Escalators

- Elevator brush for guides 5-16mm
- Oil-filled lubricators
- Lubrication of slewing bearing in outdoor conditions
- Accessories available to protect the lubricators for long operation



Mining & Quarrying

- Continuous lubrication at process pumps
- Cogwheels at ore filters
- Bearings at bulk conveying systems
- Drive roll bearings
- Lubricators protected by metal covers at jaw crusher machines



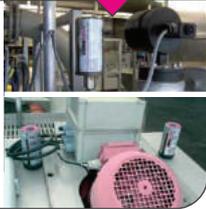
Cement

- Lubrication of bearings in conveyor applications
- Bearings in stand pumps
- Lubrication of bearings at pump drive shafts



Waste Water Treatment

- Fine screen applications
- Brushes for chain lubrication at the course screen
- Lubrication of pumps in outdoor conditions



Shipbuilding & Marine

- Lubrication & cleaning of chains
- Elevator systems
- Thruster sealing to prevent water ingress
- Lubrication of steering wheels
- Installation on boiler water pumps
- Swivel mechanism of life boats



Industrial Fans, Electric Motors & Pumps

- Automatic lubrication in hard-to-reach critical applications



Available Greases & Oils

Please note that Simalube cartridges are also available empty, and are refillable with the grease of your choice. Powercells available separately.

No.	Application	Range °C	Base Oil	Thickener	DIN 51502
SL01	Multipurpose grease	-30 / +120°C	Mineral Oil	Li/Ca	KP2K-30
SL02	Multipurpose grease with MoS2	-25 / +130°C	Mineral Oil	Li	KPF2K-20
SL04	High temperature grease	-20 / +160°C	Mineral Oil	Be	K2P-20
SL06	Fluid grease	-20 / +120°C	Mineral Oil	Li/Ca	GP0G-20
SL09	Biodegradable grease	-20 / +80/100°C	Ester oil	Li/Ca	KPE2G-20
SL10	Food industry grease	-30 / +140°C	Synthetic	Al/Comp.	KPHC2N-30
SL14	Chain oil	-10 / +90°C	Mineral oil		CGLP68
SL15	High temperature chain oil	-30 / +250°C	Synthetic		CGLPE220-320
SL18	Food industry oil	-15 / +150°C	Synthetic		CLPHC220
SL16	Machine oil	-20 / +100°C	Mineral oil		CL68, HL68
SL19	Biodegradable chain oil	-15 / +100°C	Ester oil		
SL24	Multi purpose grease with EP	-30 / +140°C	Mineral oil	Li/Comp.	KP2N-30
SL25	High speed grease	-20 / +160°C	Mineral oil	Polyurea	KP2R-25
SL26	High performance grease	-20 / +150°C	Mineral oil	Ca/Comp.	KP1,5N-20

Technical Data

The simalube lubricator is available in 15, 30, 60, 125 and 250 ml sizes. The compact design of all of the simalube lubricators makes it possible to apply in tight spaces, as well as with numerous lubricants.

Product	Automatic grease and oil lubricator
Power generation	Hydrogen gas producing dry cells
Working pressure	Max. 5 bar
Adjustment	Stepless 1–12 months
Dispensing quantity	0.04–8.3 ml/day
Operating temperature	-20°C to +55°C
Usage	The lubricator can be installed in any position, even underwater.
Ingress protection	IP68 (dustproof and waterproof)
Usage period	Within 2 years of filling date
Sizes	15 ml, 30 ml, 60 ml, 125 ml, 250 ml

Further Maintenance Products Available from Simatec

SIMATHERM – Hot plates and induction heaters for the safe and controlled heating of bearings for correct mounting. Maximum capacity up to 4,000 kg, and heaters for special applications available on demand.

SIMATOOL - high quality tools for the mounting and dismounting of bearings and seals. A range of fitting tools, pulling tools and handling tools available.





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