



Speciality lubricants with
***automatic
relubrication***

www.oks-germany.com



***THERE ARE
MORE IMPORTANT THINGS TO DO.***

ChronoLube

System

Speciality Lubricants
Maintenance Products

PREVENT DAMAGE – REDUCE COSTS

Electromechanical lubrication systems from OKS.
Automatic and independent of temperature.



ChronoLube is the ideal combination of OKS speciality lubricants with an electromechanical lubricator. This enables the automatic supply of lubricating points with oil and grease. And that in the dosage you require and at the right time – without under or over-lubrication.

Simply install the ChronoLube Drive together with the suitable ChronoLube Cartridge at the lubricating point and set the dispensing time (1/3/6/12 months) in accordance with your requirements.

For food processing applications, the ChronoLube System is available in combination with the OKS 3760 and OKS 479. Additional food processing lubricants in the ChronoLube System are available on request.

ChronoLube, the ideal lubrication system for:

- Roller bearings
- Plain bearings
- Chains
- Open gears
- etc.

Highlights

- Operating temperature -10°C to $+50^{\circ}\text{C}$
- Continuous fill level monitoring with transparent housing
- 4 dispensing types can be set (1, 3, 6 or 12 months)
- Dispensing duration individually adjustable when changing cartridge
- Display of operating state with LED display (e.g. operation, empty, fault)
- Reusable drive
- Replaceable battery set

ChronoLube
OKS 3760

Simple installation at the lubricating point

Speciality lubricants from OKS

ChronoLube
Drive

Battery-powered drive

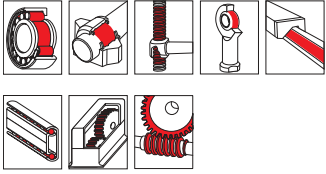
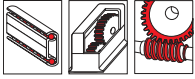
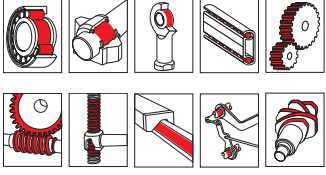

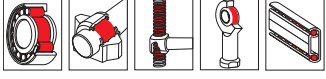
ChronoLube Cartridge easily replaceable by screwing drive unit on and off

After setting the dispensing time, an additional check of the operating state takes place with the integrated LED display.

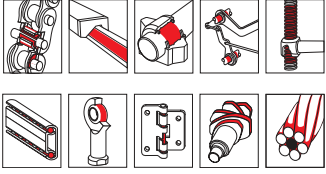
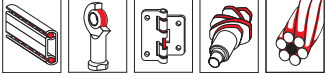
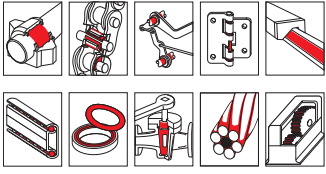



OVERVIEW OF CHRONOLUBE SPECIALITY LUBRICANTS FROM OKS

Greases

Product	Designation	Fields of Application	Purpose
OKS 420	High-temperature multipurpose grease		Impact and pressure-resistant, highly adhesive. Lubricates, seals and dampens noises. Also for slowly running, heavily loaded gears which are insufficiently sealed off.
Mo₂-Active	DIN 51 502: KP2P-10		
OKS 422	Universal grease for long-term lubrication		High-performance product for extreme loads, such as pressure, low and high temperatures, high rotating speeds and the influence of water.
	DIN 51 502: KPHC2R-40		
OKS 479	High-temperature grease for food processing technology		Long operating times even at high temperatures. Also for moulded parts of elastic rubber materials in the cold and hot-water segment. Resistant to all alkali and acid disinfectants and cleaning agents.
	DIN 51 502: KPFHC1P-20		

Oils

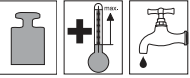
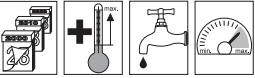

Product	Designation	Fields of Application	Purpose
OKS 352	High-temperature oil, light-coloured, synthetic		Clean lubrication. Minimal evaporation. Leaves no residues. No tendency to drip. Also resistant to steam.
	ISO VG 320 DIN 51 502 CLP E 320		
OKS 3760	Multipurpose oil for food processing technology		For universal use due to excellent long-term lubrication and high adhesive strength. Tasteless, odourless.
	ISO VG 100 DIN 51 502: CL HC 100		

Accessories for optimum installation.



When using oils (OKS 352, OKS 3760), an oil throttle is required. Whether it's a matter of hard-to-reach lubricating point, heavy vibrations or extremely high ambient temperatures, OKS can provide you with the right accessories. We'll be happy to advise you on selecting attachment and accessory parts.



Greases

Properties / Approvals	Main components	Technical Data	Packaging
	light-coloured/ Mo _x -Active organic thickener, mineral oil	Temp. range: -10°C → +160°C NLGI class: 1-2 DN value (d _m x n): 300.000 mm/min Base oil viscosity (40°C): 460 mm ² /s VKA test (welding load): 3.200 N	120 cm ³ CL-cartridge
	light-coloured/ barium-complex soap, PAO	Temp. range: -40°C → +180°C NLGI class: 2 DN value (d _m x n): 800.000 mm/min Base oil viscosity (40°C): 50 mm ² /s VKA test (welding load): 4.000 N	120 cm ³ CL-cartridge
 NSF H1 Reg. No. 135675	light-coloured/ aluminium-complex soap, PAO	Temp. range: -25°C → +160°C NLGI class: 1 DN value (d _m x n): 350.000 mm/min Base oil viscosity (40°C): 400 mm ² /s VKA test (welding load): 2.200 N	120 cm ³ CL-cartridge

Oils

Properties / Approvals	Main components	Technical Data	Packaging
	light-coloured/ additives, ester	Temp. range: -40°C → +250°C ρ = 0,93 g/ml	120 cm ³ CL-cartridge
 NSF H1 pending	colourless/ additives, PAO	Temp. range: -35°C → +135°C ρ = 0,93 g/ml	120 cm ³ CL-cartridge

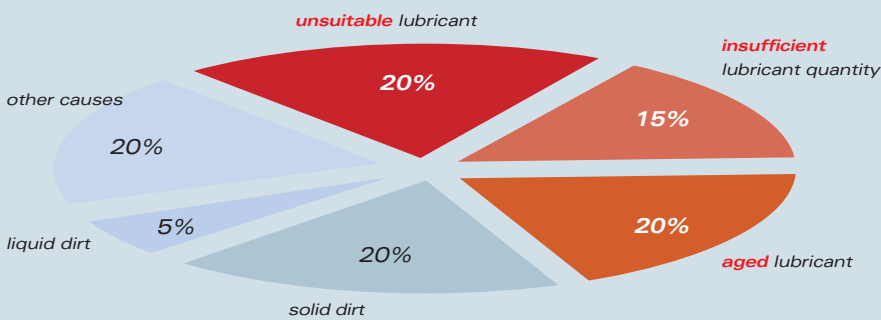


LONGER LIFE OF PRODUCTION SYSTEMS

With ChronoLube damage can be prevented which can otherwise result in extremely high costs.

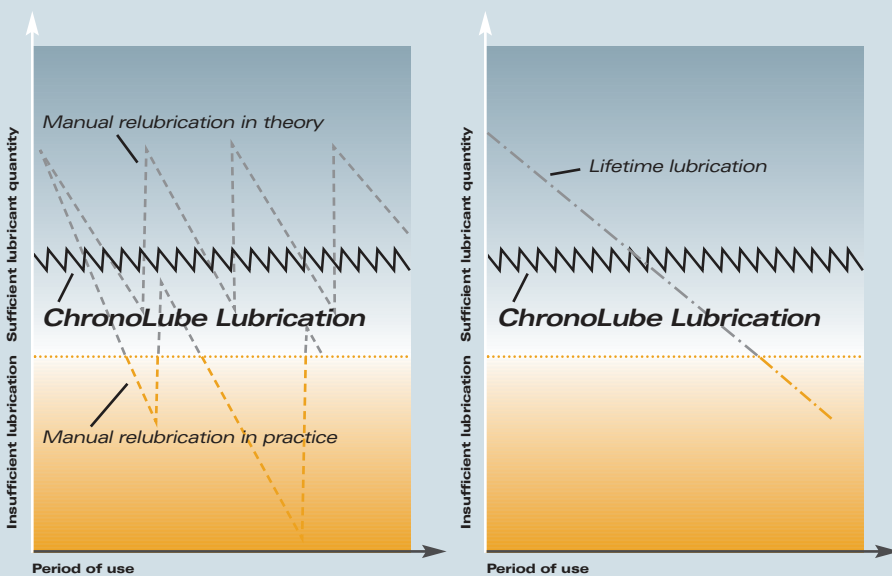


Causes of failure of roller bearings



Continuous, automatically controlled lubrication by ChronoLube mainly prevents: annoying, expensive production downtimes. Thanks to precise, individually adjusted lubricant dosage, a sudden standstill or frequent maintenance intervals due to poor lubrication are now a thing of the past.

Lubrication systems in comparison



ChronoLube is highly superior to manual relubrication and lifetime lubrication with regard to precision and reliability.

The OKS ChronoLube System at a glance.

Drive: electromechanical via geared motor, reusable, battery set, replaceable ChronoLube Cartridge

Operating periods: 1, 3, 6 or 12 months

Lubricant volume: 120 cm³

Operating temperature: -10°C to +50°C

Pressure build-up: max. 5 bar



Demanding users rely on the automatic lubrication systems from OKS:

- | | |
|--|---|
| <input type="checkbox"/> Automotive industry | <input type="checkbox"/> Metal-working industry |
| <input type="checkbox"/> Printing and paper industry | <input type="checkbox"/> Pharmaceuticals industry |
| <input type="checkbox"/> Basic industry | <input type="checkbox"/> Steel industry |
| <input type="checkbox"/> Power plants | <input type="checkbox"/> Textile industry |
| <input type="checkbox"/> Plastics industry | <input type="checkbox"/> Wind energy |
| <input type="checkbox"/> Food processing industry | <input type="checkbox"/> etc. |

OKS Spezialschmierstoffe GmbH

Triebstr. 9, 80993 München
Postfach 50 04 66,
80974 München
Tel. +49 (0) 89 14 98 92-0
Fax +49 (0) 89 14 19 219

info@oks-germany.com
www.oks-germany.com

CONSULTING AND SALES

ChronoLube

System

The information in this publication reflect state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects or, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. **Prior to use, the customer must conduct its own testing to prove suitability.** No liability accepted for spelling mistakes, typing errors, miscalculations and translation errors. The data are subject to change for the sake of progress.
® = Registered trademark

Speciality Lubricants
Maintenance Products