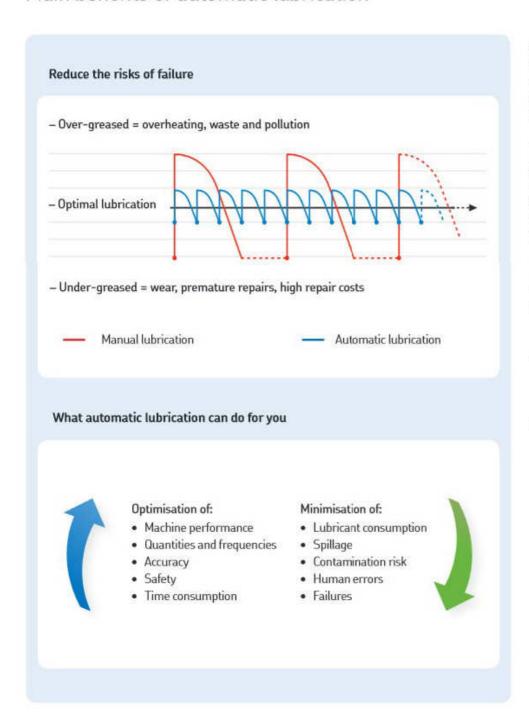
Automatic grease dispensing tools

Improve cleanliness, accuracy, safety and reliability

Performing manual relubrication tasks can be a major challenge for lubrication technicians if the appropriate tools, practices and knowledge are not employed. Reliability can also be affected by under- or over-greasing and contamination. Automatic lubrication provides small quantities of clean lubricant on a regular basis, thus improving bearing performance. Additional benefits include increased safety and time savings for lubrication technicians.

Main benefits of automatic lubrication



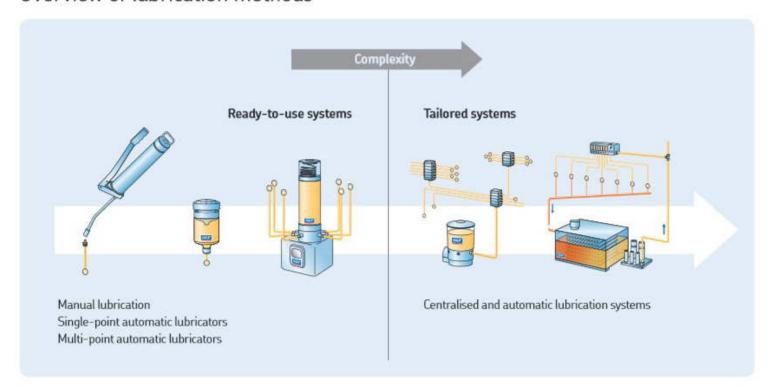
SKF has used its lubrication expertise to develop suitable lubrication systems that properly feed lubrication points, thereby creating synergy between SKF lubricants and SKF lubrication systems.

The SKF lubrication systems portfolio provides a comprehensive range of products from user friendly and cost-effective single point automatic lubricators to complete centralised lubrication systems engineered for specific application(s).

The whole range of products is built so that every new product offers:

- Further installation distance from the lubrication point: important for reduced spaces or high vibrations
- Enhanced monitoring/control possibilities: highly valuable for critical applications that deserve constant monitoring or machine steering
- Multiple points: when several lubrication points have similar conditions, multipoint lubricators provide an ideal solution

Overview of lubrication methods



	SKF SYSTEM 24	SKF SYSTEM 24			
Designation	SKF LAGD series	SKF TLSD series	SKF TLMR series	LAGD 400	LAGD 1000
Number of points	1	1	1	1 to 8	6 to 20
Container capacity	60 ml (2 US fl. az) and 125 ml (4.2 US fl. az)	125 ml (4.2 US ft. oz) and 250 ml (8.5 US ft. oz)	120 ml (4.1 US fl. oz) and 380 ml (12.8 US fl. oz)	400 ml (13.5 US fl. az)	1 000 ml (33.8 US fl. az)
Power Supply	Electrochemical gas generation	Batteries	Battery/DC	DC/AC	DC/AC
Maximum feed line	<0,3 m (0.1 ft)	<3 m (10 ft)	5 m (16 ft)	5 m (16 ft)	6 m (19.7 ft)
Temperature range	~20 to +60 °C (~5 to +140 °F)*	0 to 50 °C (32 to 120 °F)	-25 to +70 °C (-13 to +158 °F)	0 to 50 °C (30 to 120 °F)	DC: -25 to +75 °C (-15 to +165 °F) AC: -25 to +60 °C (-15 to +140 °F)
Reusable	Disposable	Replaceable container	Replaceable container	Replaceable 400 g cartridges / Refillable	Refilable
Monitoring	Piston displacement	LEDS	LEDS	On site / remote	On site / remote
P rating	IP 68	IP 65	IP 67	IP 54	IP 65
Available lubricants	SKF greases and oils assortment Special fillings on request	SKF greases and oils assortment Special fillings on request	SKF greases and oils assortment	A cartridge of SKF LGMT 2 is provided. NLGI 1, 2 and 3 grease are suitable	NLGI 000 to NLGI 2

^{*} If the ambient temperature is constant between 40 and 60 °C (105 and 140 °F), do not select dispense rate of more than 6 months for optimum performance.

SKF SYSTEM 24



Gas driven single point automatic lubricators

SKF LAGD series

The units are supplied ready-to-use straight from the box and filled with a wide range of high performance SKF lubricants. Tool-free activation and time-setting allow easy and accurate adjustment of lubrication flow.

- · Flexible dispense rate from 1 to 12 months
- · Stoppable or adjustable if required
- · Intrinsic safety rating: ATEX approved for zone 0
- · Transparent lubricant container allows visual inspection of dispense rate
- · Compact size, permits installation in restrictive areas
- · Greases and chain oils available

Typical applications

- · Applications in restrictive and hazardous locations
- · Bearing housing lubrication
- · Electric motors
- · Fans and pumps
- Conveyors
- Cranes
- · Chains (oil)
- Elevators and escalators (oil)

SKF DialSet helps to calculate the correct dispense rate.

Easy-grip top-cover

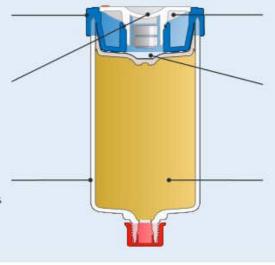
Specially designed top ring for an optimum grip

Gas cell

Detachable batteries for an environmentally friendly disposal

Lubricant container

Transparent lubricant container allows visual inspection of dispense rate



Toolless dial

Allows easy and accurate adjustment of flow rate

Piston

Special piston shape helps ensure optimum emptying of lubricator

SKF Lubricants

Filled with high quality SKF lubricants



Grease	LGWA 2	LGEM 2	LGGB 2	LGHB 2	LGHP 2	LGFP 2	LGWM 2
Description	Multi-purpose EP type grease	High loads, slow rotations	Biodegradable	High temperature & loads, plain bearings	High performance polyurea	Food processing industry	High load, wide temperature
Unit 60 ml	LAGD 60/WA2	LAGD 60/EM2	(#)	LAGD 60/HB2	LAGD 60/HP2	LAGD 60/FP2	-
Unit 125 ml	LAGD 125/WA2	LAGD 125/EM2	LAGD 125/GB2	LAGD 125/HB2	LAGD 125/HP2	LAGD 125/FP2	LAGD 125/WM2

Chain oils	LHMT 68	LHHT 265	LFFM 80	LHFP 150	LFFT 220	-
Description	Medium temperature oil	High temperature oil	Food grade (NSF H1) oil	Food grade (NSF H1) oil	Food grade (NSF H1) oil	Empty unit suitable for oil filling only
Unit 60 ml	LAGD 60/HMT68*					
Unit 125 ml	LAGD 125/HMT68*	LAGD 125/HHT26*	LAGD 125/FFM80*	LAGD 125/HFP15*	LAGD 125/FFT22*	LAGD 125/U*

^{*} Includes non-return valve

Technical data		
Designation	LAGD 60 and LAGD 125	
Grease capacity – LAGD 60 – LAGD 125	60 mi (2 US fl. oz) 125 ml (4.2 US fl. oz)	Intrin
Nominal emptying time	Adjustable; 1–12 months	EC Ty
Ambient temperature range - LAGD 60/ and LAGD 125/	-20 to +60 °C (−5 to +140 °F)	Prote Recor
Maximum operating pressure	5 bar (75 psi) (at start-up)	Stora
Drive mechanism	Gas cell producing inert gas	Weigh
Connection thread	R ¹ / ₄	Treigi
Maximum feed line length with: - grease - oil	300 mm (11.8 in.) 1 500 mm (59.1 in.)	

Intrinsically safe approval	II 1 G Ex ia IICT6 Ga II 1 D Ex ia IIICT85°C Da I M1 Ex ia I Ma
EC Type Examination Certificate	Kema 07ATEX0132 X
Protection class	IP 68
Recommended storage temperature	20 °C (70 °F)
Storage life of lubricator	2 years
Weight	LAGD 125 approx 200 g (7.1 oz) LAGD 60 approx 130 g (4.6 oz) Lubricant included

Note: For optimum performance, SKF SYSTEM 24 LAGD units filled with LGHP 2 should not be exposed to ambient temperatures over 40 °C (105 °F), or have a time setting longer than 6 months. For custom fillings, contact your SKF authorised distributor.

SKF SYSTEM 24



Electro-mechanical single point automatic lubricators

SKF TLSD series

The SKF TLSD series is the first choice when a simple and reliable automatic lubricator is required under variable temperatures, or when the application conditions (such as vibration, limited space or hazardous environments) require a remote mounting.

- · Filled with SKF Lubricants especially developed for bearing applications
- Temperature independent dispense rate
- Maximum discharge pressure of 5 bar over the whole dispensing period
- · Dispense rate available in various settings
- · Transparent reservoir allows visual inspection
- Red-yellow-green LEDs indicate the lubricator's status
- · Refill sets include battery pack
- · Special product version offering for cold conditions
- · Supplied with support flange for enhanced sturdiness
- · Suitable for both direct and remote installation

Typical applications

- Critical applications where extreme reliability and additional monitoring is required
- · Applications in restrictive and hazardous locations
- · Applications requiring high volumes of lubricant

SKF DialSet helps to calculate the correct dispense rate.



- A The unit can be programmed to dispense lubricant in 1, 2, 3, 4, 6, 8, 9, 10 and 12 month settings.
- The same drive unit can be used with both cartridge versions by simply adjusting the 125/250 ml switch.
- Traffic light LEDs are visual from all sides because of the presence of dual LEDs on the sides of the lubricator. The meaning of the lights is as follows:
 - Green light: The lubricator is properly functioning.
 - Yellow light: The lubricator is still functioning, but soon same

action will be required. Yellow light serves as a

pre-warning light.

- Red light: The lubricator stopped operating.

Grease	LGWA 2	LGEM 2	LGHB 2	LGHP 2	LGFP 2	LGWM 2
Description	High load, extreme pressure, wide temperature range	High viscosity bearing grease with solid lubricants	High load, high temperature, high viscosity	High performance, high temperature	Food compatible NSF H1 certified	High loads, wide temperature
Complete unit 125	TLSD 125/WA2	TLSD 125/EM2	TLSD 125/HB2	TLSD 125/HP2	TLSD 125/FP2	TLSD 125C/WM2 2)
Complete unit 250	TLSD 250/WA2	TLSD 250/EM2	TLSD 250/HB2	TLSD 250/HP2	TLSD 250/FP2	TLSD 250C/WM2 2
Refill set 125	LGWA 2/SD125	LGEM 2/SD125	LGHB 2/SD125	LGHP 2/SD125	LGFP 2/SD125	LGWM 2/SD125C 2)
Refill set 250	LGWA 2/SD250	LGEM 2/SD250	LGHB 2/SD250	LGHP 2/SD250	LGFP 2/SD250	LGWM 2/SD250C 2)

Chain oils	LHMT 68	LHHT 265	LHFP 150
Description	Medium temperature oil	High temperature oil	Food compatible, NSF H1 approved oil
Complete unit 125	TLSD 125/HMT68	=	TLSD 125/HFP15
Complete unit 250	TLSD 250/HMT68	9	TLSD 250/HFP15
Refill set 125	LHMT 68/SD125	LHHT 265/SD125	LHFP 150/SD125
Refill set 250	LHMT 68/SD250	LHHT 265/SD250	LHFP 150/SD250

Technical data			
Designation	TLSD 125 and TLSD 250		
Grease capacity – TLSD 125 – TLSD 250	125 ml (4.2 US fl. oz) 250 ml (8.5 US fl. oz)	LED status indicators – Green led (each 30 sec) – Yellow led (each 30 sec)	OK Pre warning, low battery power
Emptying time	User adjustable: 1, 2, 3, 4, 6, 8, 9, 10 and 12 months	 Yellow led (each 5 sec) Red led (each 5 sec) Red led (each 2 sec) 	Pre warning, high back pressure Warning, stopped on error Warning, empty cartridge
Lowest grease purge - TLSD 125 - TLSD 250	0,3 ml (0.01 US fl. oz) per day 0,7 ml (0.02 US fl. oz) per day	Protection class assembled lubricator	IP 65
Highest grease purge -TLSD 125 -TLSD 250	4,1 ml (0.13 US fl. oz) per day 8,3 ml (0.28 US fl. oz) per day	Battery pack - TLSD 1-BAT - TLSD 1-BATC	4,5 V 2,7 Ah/Alkaline manganese 4,5 V 2,9 Ah/Lithium-Iron Disulfide
Ambient temperature range -TLSD 1-BAT	0 to 50 °C (30 to 120 °F)	Recommended storage temperature	20 °C (70 °F)
-TLSD 1-BATC	-10 to +50 °C (15 to 120 °F)	Storage life of lubricator	3 years 4)
Maximum operating	E has (7F aci)	Total unight (incl. packaging)	(2 years for LGFP 2 and Oils)
pressure Drive mechanism	5 bar (75 psi)	Total weight (incl. packaging) — TLSD 125	635 g (22.5 oz)
	Electro mechanical	-TLSD 250	800 g (28.2 oz)
Connection thread	G1/4		
Maximum feed line length with: — grease — oil	Up to 3 meters (10 ft) 3) Up to 5 meters (16 ft)		

- 1) TLSD lubricator and SD refill sets are not for offer/sale/use in Germany, France or United States.

- Special version for low temperatures.
 The maximum feed line length is dependent on ambient temperature, grease type and back pressure created by the application.
 Maximum storage life is 3 years from production date, which is printed on the side of the canister. The canister and battery pack may be used at 12 month setting even if activated 3 years from production date.



Electro-mechanical single point automatic lubricators

SKF TLMR series

The SKF Automatic Lubricant Dispenser – TLMR – is a single point automatic lubricator designed to supply grease to a single lubrication point. With a relatively high pressure of 30 bars, this lubricator can operate at long distances providing optimum results with difficult-to-reach and unsafe lubrication locations. With a wide temperature range and robust design, the TLMR lubricator is suitable for operating conditions with various levels of temperature and vibration.

- Filled with high quality SKF greases
- · Temperature independent dispense rate
- . Maximum discharge pressure of 30 bar over the whole dispensing period
- Available in two versions: TLMR 101 powered by batteries (standard Lithium AA type) and TLMR 201 powered by 12–24 V DC
- · Available with non-refillable cartridges in two sizes: 120 and 380 ml

Typical applications

- · Applications requiring high lubricant consumption
- · Applications experiencing high vibration in operation
- Excellent water and dust protection makes TLMR suitable for general machinery applications and food processing machinery
- Excellent high temperature performance makes TLMR suitable for engine rooms and hot fan applications
- Excellent low temperature performance makes TLMR suitable for wind turbine applications

SKF DialSet helps to calculate the correct dispense rate.



A special bracket makes TLMR easy to mount onto a surface



The cartridges are easily replaceable













Grease	Description	TI MR 101 refill core	(cartridge and battery)	TLMR 201 ca	artridges
orease	Description	120 ml	380 ml	120 ml	380 ml
LGWA 2	High load, extreme pressure, wide temperature range bearing grease		LGWA 2/MR380B	LGWA 2/MR1	20 LGWA 2/MR380
LGEV 2	Extremely high viscosity bearing g with solid lubricants	rease –	LGEV 2/MR380B	*	LGEV 2/MR380
LGHB 2	High load, high temperature, high viscosity bearing grease	. 	LGHB 2/MR380B	=	LGHB 2/MR380
LGHP 2	High performance, high temperature bearing grease	·#	LGHP 2/MR380B	×	LGHP 2/MR380
LGFP 2	Food compatible bearing grease NSF H1 certified	LGFP 2/MR120B	LGFP 2/MR380B	LGFP 2/MR1	20 LGFP 2/MR380
LGWM 1	Extreme pressure, low temperatu	re -	LGWM 1/MR380B		LGWM 1/MR380
LGWM 2	High load, wide temperature rang bearing grease	e –	LGWM 2/MR380B	7	LGWM 2/MR380
LGEP 2	Extreme pressure bearing grease		LGEP 2/MR380B	-	LGEP 2/MR380
LGMT 3	All purpose industrial and automotive grease	c ā	LGMT 3/MR380B	7	LGMT 3/MR380
Complete set	Des	ignation	TLMR pump		Designation
TLMR 101	380 ml TLM	IR 101/38WA2	Lubricator powered by ba	atteries	TLMR 101
TLMR 201	380 mt TLM	IR 201/38WA2	Lubricator powered by 1	2-24 V DC	TLMR 201

Designation	TLMR 101 and TLMR 201		
Grease capacity	120 ml (4.1 US fl. oz)	Drive mechanism	Electro mechanical
	380 ml (12.8 US fl. oz)	Connection thread	G1/4 female
Emptying time	User adjustable: 1,2,3,6,9,12, 18, 24 months or purge	Maximum feed line length*	Up to 5 meters (16 ft)
Lowest setting - 120 ml cartridge - 380 ml cartridge	0,16 ml (0.005 US fl. oz) per day 0,5 ml (0.016 US fl. oz) per day	LED status indicators – Green LED (every 8 sec) – Green and red LED (every 8 sec) – Red LED (every 8 sec)	OK Almost empty Error
Highest setting - 120 ml cartridge - 380 ml cartridge	3,9 ml (0.13 US fl. oz) per day 12,5 ml (0.42 US fl. oz) per day	Protection class – DIN EN 60529 – DIN 40 050 Teil 9	IP 67 IP 6k9k
Purge	31 ml (1 US fl. az) per hour	Power	
Ambient temperature range	-25 to +70 °C (-13 to +158 °F)	-TLMR 101	4 AA Lithium batteries
Maximum operating pressure	30 bar (435 psi)	-TLMR 201	12–24 Volt DC

 $^{^{\}star}$ The maximum feed line length is dependent on ambient temperature, grease type and back pressure created by the application.

Accessories

A full range for enhanced versatility of SKF automatic lubricators

Accessories for single point automatic lubricators

Connectors

	LAPA 45	Angle connection 45°
	LAPA 90 ● ● ○	Angle connection 90°
	LAPE 35 ● ● O	Extension 35 mm
	LAPE 50	Extension 50 mm
G ¹ / ₄ 8 mm	LAPF F ¹ / ₄	Tube connection female G ¹ / ₄
6 mm	LAPF M 1/8 S	Tube connection male G1/8 for 6 × 4 tube
6 mm	LAPF M 1/4 S	Tube connection male G ¹ /4 for 6 × 4 tube
8 mm	LAPF M 1/8	Tube connection male G ¹ /8
8 mm	LAPF M 1/4	Tube connection male G ³ / ₄
8 mm G ³ /8	LAPF M ³ /8	Tube connection male G ³ /8
DIN 71412	LAPG 1/4	Grease nipple G ¹ /4
	LAPM 2	Y-connection



Non return valves (for oil applications)

6 ¹ / ₄	LAPV ¹ / ₄	Non-return valve G ¹ / ₄
G ¹ / ₄ G ¹ / ₈	LAPV 1/8	Non-return valve G ¹ /8

Brushes (for oil applications)

40 mm 30 mm	LAPB 3x4E1	Brush 30 × 40 mm
60 mm 30 mm	LAPB 3x7E1	Brush 30 × 60 mm
100 mm 30 mm	LAPB 3x10E1	Brush 30 × 100 mm
G1/4	LAPB 5-16E1	Elevator brush, 5–16 mm gap



Mounting and protecting devices & extras

7 mm 45 mm	LAPC13	Bracket
50 mm	LAPC 50	Clamp
63 mm	LAPC 63	Clamp
	LAPP 4	Protection base
	LAPP 6	Protection cap
8 mm 10 6 mm	LAPT 1000	Flexible tube, 1 000 mm long, 8 × 6 mm
8 mm 10 6 mm	LAPT 5000	Flexible tube, 5 000 mm long, 8 × 6 mm
6 mm	LAPT 1000S	Flexible tube, 1 000 mm long, 6 × 4 mm
6 mm	LAPT 5000S	Flexible tube, 5 000 mm long, 6 × 4 mm
	TLSD 1-BAT	Battery pack
	TLSD 1-BATC	Lithium battery pack

- SKF LAGD Series
- SKFTLSD Series
- O SKFTLMR Series

SKF MultiPoint Automatic Lubricator



Ready-to-use centralised lubrication systems

SKF LAGD 400 and LAGD 1000

SKF MultiPoint Lubricators are designed to simultaneously feed several points. They are often the most user-friendly and cost-effective option when longer distances, high flow, or enhanced monitoring features are required. These ready-to-use centralised lubrication systems can be installed without any additional assistance and require no special training to be configured.



- · Easy to install and use
- Transparent reservoir allows visual inspection
- · Refillable through grease fitting
- Alarm function for blocked feed lines (except on LAGD 1000/B - battery version), and empty reservoir
- Machine steering (i.e. lubricator only operates while machine is running)
- Electronic setting and read—out of control parameters

Typical applications

- Series of lubrication points with similar requirements
- Components requiring large amounts of grease
- Critical applications requiring continuous monitoring or machine steering

SKF DialSet helps to calculate the correct dispense rate.

Technical data







Designation	LAGD 400	LAGD 1000/DC	LAGD 1000/AC
Number of outlets	1 to 8	10 to 20	10 to 20
Max. length of pipes	5 m (16 ft.)	6 m (19.7 ft.)	6 m (19.7 ft.)
Flow rate	Up to 10 cm ³ /day (0.3 US fl. oz/day)	Up to 16 cm³/day (0.5 US fl. oz/day)	Up to 33 cm ³ /day (1.1 US fl. oz/day)
Reservoir capacity	0.4 litre (13.5 US fl. oz)	1 litre (33.8 US fl. oz)	1 litre (33.8 US fl. oz)
Tubing	6 × 1,5 mm (¹ /4 × 0.06 in.) 20 m (65 ft.) and fittings included	6 × 1,25 mm (0.05 in.) 50 m (164 ft.) and fittings included	6 × 1,25 mm (0.05 in.) 50 m (264 ft.) and fittings included
Greases	NLGI 1, 2 and 3	Up to NLGI grade 2 Flow pressure < 700 mbar	Up to NLGI grade 2 Flow pressure < 700 mbar
Permissible operating temperature	0 to 50 °C (30 to 120 °F)	-25 to +75 °C (-15 to +165 °F)	-25 to +60 °C (-15 to +140 °F)
Max. operating pressure	40 bar (600 psi)	150 bar (2 175 psi)	150 bar (2 175 psi)
IP Rating	IP54	IP65	IP65
Rated voltage	110–240 VAC, 50–60 Hz or 24 V DC	24 V DC	110-240 V 50/60 Hz
Connection thread	G1/4	G1/8	G ¹ /8
Alarms	Blocked feed lines, empty cartridge	Blocked feed lines, empty cartridge	Blocked feed lines, empty cartridge

Oil inspection & dispensing



Automatic adjustment for optimal lubricating oil level

SKF Oil Levellers LAHD series

SKF LAHD 500 and LAHD 1000 oil levellers are designed to automatically compensate oil evaporation and leakages under running conditions. This helps in maintaining the correct oil level within a bearing housing, gear box, crankcase, or similar oil bath application. The SKF LAHD series optimises machine performance and increases their service life. Furthermore, they enhance the possibility of an accurate visual inspection of the oil level.

- · Optimally maintained oil level
- · Extended inspection interval
- · Easy visual inspection
- · Compensation for evaporation losses

Typical applications

- Oil lubricated bearing housings
- Gear boxes
- Crankcases



Technical data	
Designation	LAHD 500 / LAHD 1000
Reservoir volume - LAHD 500 - LAHD 1000	500 ml (17 US fl. oz) 1 000 ml (34 US fl. oz)
Boundary dimensions – LAHD 500 – LAHD 1000	Ø91 mm × 290 mm high (3.6 × 11.4 in.) Ø122 mm × 290 mm high (4.8 × 11.4 in.)
Allowed temperature range	-20 to +70 °C (-5 to +158 °F)
Length of connecting tube	600 mm (23.5 in.)
Connection thread	G ¹ / ₂
Suitable oil types	Mineral and synthetic oils





A proper solution for oil handling

Oil handling containers LAOS series

LAOS series is comprised of an extensive assortment of drums and dispensing lids ideal for the storage and administration of fluids and oil lubricants. The lids are available in ten different colours to fit colour coded identification systems.

- · Enables easier, safer and cleaner lubrication
- · Allows for accurate oil consumption control
- · Improves health and safety due to oil spillage minimisation
- · Heat and chemically resistant
- · Drum and lid threads provide tight, quick and easy assembly
- · Quick closing spouts
- · Vacuum valve for enhanced spilling control



Ideal where the reservoirs to be filled have small filling holes. Outlet diameter is approx. 7 mm (0.28 in.)



Ideal for precise pouring tasks and difficult to access points. The 12 mm (0.48 in.) outlet is ideal for viscosities up to ISO VG 220.



Due to the wide opening of 25 mm (1 in.), ideal for high viscosities and/or when a high flow is required.



Utility lid

Two main uses: Quick pouring if necessary and assembly of pump onto a 3, 5 or 10 L drum (0.8, 1.3 or 2.6 US Gal).



Storage lid

Useful for storage or transportation of oils.





For proper marking of drum contents

olour	Mini spout	Stretch spout	Stumpy spout	Utility lid	Storage lid	Contents label
Tan	LA0S 09057	LA0S 09682	LAOS 09705	LAOS 09668	LAOS 09644	LA05 06919
Grey	LA05 09064	LA05 09699	LAOS 09712	LAOS 09675	LAOS 09651	LA0S 06964
Orange	LA05 09088	LAOS 09798	LA0S 09729	LAOS 09866	LAOS 09934	LA0S 06940
Black	LA0S 09095	LA05 09804	LAOS 09736	LA0S 09873	LA0S 09941	LA0S 06995
Dark green	LA0S 09101	LA05 09811	LA05 09743	LA0S 09880	LA0S 09958	LA05 06971
Green	LA0S 09118	LA0S 09828	LAOS 09750	LAOS 09897	LAOS 09965	LA05 06957
Blue	LA0S 09125	LAOS 09835	LA05 09767	LAOS 09903	LAOS 09972	LA0S 06988
Red	LAOS 09132	LA05 09842	LAOS 09774	LAOS 09910	LAOS 09989	LA0S 06926
Purple	LA05 09071	LA05 09392	LA05 09388	LA05 09408	LAOS 09415	LA0S 06933
Yellow	LAOS 09194	LAOS 62437	LA0S 64936	LA0S 62451	LA0S 62475	LA05 06902









Drums

Designed with wide necks and a standard thread size. Fits any LAOS lid. Available in 5 different sizes.



Pumps

Standard pump suitable for viscosities up to ISO VG 460. High flow (approx. 14 strokes per litre/US quart). High viscosity pump for viscosities up to ISO VG 680. High efficiency with approx. 12 strokes per litre/US quart. As a protection against airborne contaminants during the pumping process, a 10 micron breather is available. For both pumps an anti-drip long discharge hose of 1.5m (4.9 ft) and reducer nozzles are available.



Hose extensions

Designed to extend the reach of the lids.

Two different versions available for stumpy and stretch lids. The stretch version's length can be adjusted by removing the fitting and cutting it down to the desired size.

Drums		Pumps		Hose extension	s
LA05 09224	1,5 litre drum (0.4 US gal)	LA0S 62568	High viscosity pump (to fit LAOS utility lids)	LA0S 67265	Stumpy spout hose extension
LAOS 63571	2 litre drum (0.5 US gal)	LA0S 09423	Breather for high viscosity pump	LA05 62499	Stretch spout hose extension
LAOS 63595	3 litre drum (0.8 US gal)	LA05 62567	Standard Pump (to fit LAOS utility lids)		
LA0S 63618	5 litre drum (1.3 US gal)	LA0S 09422	Pump reducer nozzle		
LA0S 66251	10 litre drum (2.6 US gal)				



Lubrication analysis tools



Portable grease analysis kit for field use

SKF Grease Test Kit TKGT 1

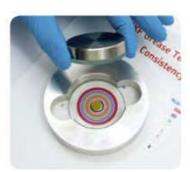
Lubricant analysis is a vital part of a predictive maintenance strategy. Until recently, however, oils were almost always analysed despite the fact that around 80% of bearings are lubricated with grease. Tribology expertise and years of research have allowed SKF to develop a complete methodology to assess grease condition.

- · Extremely useful in field decision-making processes
- Allows adjustment of grease relubrication intervals according to real conditions
- Grease can be evaluated to detect possible unacceptable deviations from batch to batch
- Allows verification of the suitability of certain greases in specific applications
- Helps in the prevention of damage due to underperforming lubricant greases
- · Provides more information on root cause analysis

- · Requires no special training to perform the tests
- · Requires no harmful chemicals
- Small sample sizes required. Only 0,5 g of grease is needed to perform all the tests

Consistency test (Patent applied for)







Oil bleeding characteristics

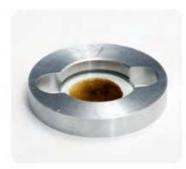






Contamination evaluation









Note

The SKF Oil Check Monitor is not an analytical instrument. It is an instrument to only detect changes in the oil condition. The visual and numerical read-outs are merely a guide to enable trending of the comparative readings of a good oil to a used oil of the same type and brand. Do not rely solely on numerical readings.

Quick detection of oil condition changes

SKF Oil Check Monitor TMEH 1

The SKFTMEH 1 measures the changes in dielectric constant of an oil sample. By comparing measurements obtained from used and fresh samples of the same oil, the degree of change in the condition of the oil is established.

Dielectric change is directly related to the oil's degradation and contamination level. The monitor allows tracking of mechanical wear and of any loss of the oil's lubricating properties.

- · Hand-held and user friendly
- · Numerical readout to facilitate trending
- · Can store calibration (good oil) in its memory
- · Shows changes in oil condition affected by such things as:
 - Water content
 - Fuel contamination
 - Metallic content
 - Oxidation



Technical data	
Designation	TMEH 1
Suitable oil types	mineral and synthetic oils
Repeatability	±5%
Readout	green/red grading + numerical value (-999 to +999)
Battery	9 V Alkaline type IEC 6LR61
Battery lifetime	>150 hours or 3 000 tests
Product dimensions	250 × 32 × 95 mm (9.8 × 1.3 × 3.7 in.)
Carrying case dimensions	530 × 85 × 180 mm (20.9 × 3.4 × 7.0 in.)

Designation	TKGT 1		
Parts	Components	Quantity	Specifications
Sampling tools	Sampling syringe Sampling tube Permanent marker Sampling containers Gloves Disposable spatulas 250 mm stainless steel spatula 150 mm stainless steel spatula Scissors	1 1 10 10 pairs 1 1 1	Polypropylene PTFE, length approx. 1 m Black 35 ml polyethylene Grease resistant nitrile (synthetic rubber), powder free, size XL, colour blue Set of 25 Stainless steel Stainless steel Stainless steel
Consistency test	Housing Weight Mask Glass plates	1 1 1 4	Aluminium Stainless steel Plexiglas
Oil bleeding test	USB heater USB/220/110 V adaptor Paper pack Ruler	1 1 1	2,5 W-5 V Universal (EU, US, UK, Australia) to USB Contains 50 sheets Aluminium graduated 0,5 mm
Contamination test	Pocket microscope Batteries	1 2	60–100x with light AAA
Carrying case	CD Carrying case	1	Contains instructions for use, report template, and consistency test scale Dimensions: $463 \times 373 \times 108 \text{ mm} (18.2 \times 14.7 \times 4.25 \text{ in.})$