SKF Single-point Automatic Lubricator SYSTEM 24®

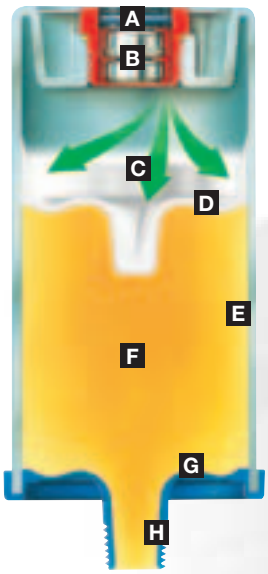
Automatic lubrication, 24 hours a day, 7 days a week

Any bearing deprived of correct lubrication will fail well within its predicted lifespan. With that fundamental engineering principle in mind SKF® offers SKF SYSTEM 24, an advanced generation of single-point automatic lubricators, which bridge the conflicting interests of commercial needs and environmental pressures.

Practical benefits
SKF SYSTEM 24 sets new standards in lubrication management and efficiency:

- **Reliability - allowing fit and forget procedures until predetermined replacement time**
- **Flexible time setting, up to 12 months, reduces inventory cost as one lubricator covers wide range of time settings**
- **Dispense rate setting is a simple part of the installation process**
- **Available in two sizes; 125 ml and 60 ml, LAGD 125 and LAGD 60**
- **Transparent container to check lubricant levels**
- **High capacity, compact size permits installation in restricted areas**
- **Can be temporarily deactivated**
- **Hermetic sealing prevents ingress of dirt or foreign matter**
- **No harmful chemicals to generate the drive gas**
- **Intrinsically safe (Ex) approved for use in potentially explosive atmospheres by TÜV in Germany and FM Global in the USA**
- **SKF offers SYSTEM 24 filled with various SKF bearing greases and oils for a wide range of applications**
- **Allows low grease purge: lowest possible purge for LAGD 60 is 4,5 g (0.15 oz)/month, for LAGD 125 the lowest is 9 g (0.31 oz)/month**
- **SKF DialSet re-lubrication calculation program includes a special calculation function for the 60 ml version of SYSTEM 24**
- **Wide range of accessories is available such as adapter nipples, tubes and brushes**

Note: SYSTEM 24® is a trademark of SKF USA Inc.



A Lubricator time set dial
Allows easy and accurate adjustment of lubrication flow

B Gas cell
Patented cell design enables controlled production of hydrogen gas

C Hydrogen gas
Build up of gas dispenses lubricant consistently

D Special piston shape
Ensures optimum emptying of lubricator

E Transparent container
Allows visual checking of dispense rate

F High performance SKF grease
Available with various SKF greases

G Profiled base
Matches piston profile

H Cartridge neck
Screws into lubrication point or accessories

DialSet Re-lubrication Calculation Program

- Determines the right time setting for your SKF single-point and multiple- points automatic lubricators, SYSTEM 24 and SYSTEM MultiPoint applications
- Advises when to use LAGD 125 and when to use LAGD 60
- Based on SKF General Catalogue, operating conditions and SYSTEM 24 and SYSTEM MultiPoint grease dispense rates
- Available on CD-ROM and suitable for PC's working with MS Windows 95 or later
- Available in English, French, German, Swedish, Spanish and Italian



Ordering details

Designation	Description
LAGD 125/WA2	125 ml (4.25 fl oz. US) unit filled with LGWA 2 grease
LAGD 60/WA2	60 ml (2.03 fl oz. US) unit filled with LGWA 2 grease
LAGD 125/EM2	125 ml (4.25 fl oz. US) unit filled with LGEM 2 grease
LAGD 125/FP2	125 ml (4.25 fl oz. US) unit filled with LGFP 2 grease
LAGD 125/GB2	125 ml (4.25 fl oz. US) unit filled with LGGB 2 grease
LAGD 125/HB2	125 ml (4.25 fl oz. US) unit filled with LGHB 2 grease
LAGD 125/HP2	125 ml (4.25 fl oz. US) unit filled with LGHP 2 grease
LAGD 125/HFP12*	125 ml (4.25 fl oz. US) unit filled with food processing oil (viscosity ISO 120)
LAGD 125/HHT26*	125 ml (4.25 fl oz. US) unit filled with synthetic high temperature chain oil (viscosity ISO 265)
LAGD 125/HMT68*	125 ml (4.25 fl oz. US) unit filled with mineral EP type chain oil (viscosity ISO 68)
LAGD 60/HMT68*	60 ml (2.03 fl oz. US) unit filled with mineral EP type chain oil (viscosity ISO 68)
LAGD 125/U*	125 ml (4.25 fl oz. US) empty unit suitable for oil filling

** Includes non-return valve*

LAGD 125 and LAGD 60

Grease capacity	LAGD 125 LAGD 60	125 ml (4.25 fl oz. US) 60 ml (2.03 fl oz. US)
Nominal emptying time	Adjustable; 1 - 12 months	
Ambient temperature range	-20 to 55 °C (-5 to 131 °F)	
Maximum operating pressure	5 bar (73 psi)	
Drive mechanism	Gas cell producing hydrogen gas (H2)	
Connection thread	G 1/4	
Intrinsically safe approval (TÜV)	II 2 G and EEx ib IIC T6	
Recommended storage temperature	20 °C (70 °F)	
Storage life of lubricator	2 years	
Gas cell life	3 years	
Weight	approx 190g (6.7 oz) lubricant included	

SYSTEM 24 accessories

Designation	Description	Designation	Description
LAPA 45	Angle connection 45°	**LAPN 1/8**	Nipple G 1/4 - G 1/8
LAPA 90	Angle connection 90°	**LAPN 1/2**	Nipple G 1/4 - G 1/2
LAPB 3X4E*	Lubrication brush 3 x 4 cm	**LAPN 1/4**	Nipple G 1/4 - G 1/4
LAPB 3X7E*	Lubrication brush 3 x 7 cm	**LAPN 3/8**	Nipple G 1/4 - G 3/8
LAPB 3X10E*	Lubrication brush 3 x 10 cm	**LAPN 6**	Nipple G 1/4 - M6
LAPB 5-16*	Lift rail lubrication brush	**LAPN 8**	Nipple G 1/4 - M8
LAPB D2*	Lubrication brush; round, diameter 2 cm	**LAPN 8X1**	Nipple G 1/4 - M8x1
LAPC 50	Clamp	**LAPN 10**	Nipple G 1/4 - M10
LAPE 35	Extension 35 mm	**LAPN 10X1**	Nipple G 1/4 - M10x1
LAPE 50	Extension 50 mm	**LAPN 12**	Nipple G 1/4 - M12
LAPT 1000	Flexible tube, 1 000 mm (39.4 in) long	**LAPN 12X1.5**	Nipple G 1/4 - M12x1,5
LAPF F1/4	Tube connection female G 1/4	**LAPP 1**	Dust protection cab
LAPF M1/4	Tube connection male G 1/4	**LAPP 2**	Protection base
LAPF M1/8	Tube connection male G 1/8	**LAPP 3**	Protection cover
LAPF M3/8	Tube connection male G 3/8	**LAPM 1x1****	Mounting bracket, single
LAPG 1/4	Grease nipple G 1/4	**LAPM 1x3****	Mounting bracket, triple
LAPM 2	Y-connection	**LAPM 1x5****	Mounting bracket, fivefold
LAPM 4	4 to 1 manifold G 1/2	**LAPV 1/4**	Non return valve G 1/4
		LAPV 1/8	Non return valve G 1/8

** Suitable for use with oil filled SYSTEM 24 units only* *** Only in combination with LAPP 2*

In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

Although care has been taken to ensure the accuracy of this publication, SKF does not assume any liability for errors or omissions.

SKF Maintenance Products

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