

Manual lubrication

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Grease packer LAGP 400

To lubricate open bearings

The grease packer LAGP 400 is a low-pressure alternative for emptying SKF grease cartridges. It provides an easy and clean alternative to manual grease packing of open bearings.

- Supplied with three spout caps
- Applies grease to open bearings or open gears



Bearing packer VKN 550

Contamination-free grease filling

The SKF bearing packer, VKN 550, is a sturdy, easy-to-use, efficient and effective bearing grease packer. It can also be used in combination with a standard grease gun, air-operated grease pump or grease filler pump. Although specially designed for taper roller bearings, the SKF bearing packer works for any type of open bearing which needs to be 100% pre-filled with grease.

- Flushes the grease between the rolling elements where it matters most, prolonging the bearing service life
- Closed system and the cover lid prevent ingress of dirt, virtually eliminating contamination
- Allows the operator to pre-fill bearings with grease in a quick and clean way
- Prevents unnecessary grease loss
- Economical and environmentally friendly



Grease gun 1077600

Easy grease filling

The SKF grease gun is ideal for the agricultural, industrial and construction industries and for private use. The SKF grease gun is delivered with a 175 mm (6.9 in) long extension pipe with hydraulic gripping nozzle. A flexible 500 mm (19.7 in) long pressure hose with hydraulic gripping nozzle is available as an accessory.



- For use with cartridges and loose grease
- Rigid hinging system offers long-lasting use
- Knurled body for firm and safe grip
- High quality steel is dent-resistant for easy cartridge loading
- Special piston design for smooth emptying of cartridges
- 40 MPa (5 800 psi) maximum pressure
- 1.5 cm³ (0.092 in³) volume/stroke
- Also available with a 300 mm (12 in) high pressure hose with a hydraulic gripping nozzle, 1077600H
- A complete set, including 3 extension pipes, high pressure hose, and a carrying case



Ordering details

Designation	Description
1077600	Grease gun with extension pipe
1077600H	Grease gun with flexible hose
1077601	Flexible hose
1077600/SET	Grease gun set

One-hand operated grease gun LAGH 400

Easy grease filling with one hand

Suitable for grease filler pumps and grease cartridges. Ergonomic design, flexible hose and ability to mount the hose vertically and horizontally, make it easy to use.

- Easy-to-use: only one hand is needed to operate the gun
- Refillable: grease-filling nipple and de-airing valve allow filling up by filler or grease pump
- Heavy duty: operating pressure up to 30 MPa
- 0.8 cm³ (0.05 in³) volume/stroke
- Flexible hydraulic type hose: can be bent, can be mounted both horizontally and vertically on the gun



Battery-driven grease gun LAGG 400B

Quick and easy grease filling

The battery-driven grease gun LAGG 400B is a high quality grease gun suitable for lubricating bearings, machines, vehicles and other applications. Ergonomically designed and user-friendly, the grease gun can be used with standard SKF grease cartridges (420 ml) or filled with approximately 500 cm³ (17 fl. oz.) of loose grease.

- Compared to hand operated grease guns, a 420 ml cartridge can be emptied in approximately 10 minutes with minimum effort, resulting in significant cost and time savings
- Electrical operation and the ergonomic design of the hand grip helps reduce operator fatigue compared to manual methods
- Easy-to-use one hand operation makes the grease gun user-friendly
- Supplied with various electrical plugs and two power supply versions (230 and 110 V charger) makes it operational worldwide
- Battery operation allows use in almost all environments without use of a main electrical supply
- Long battery life (1,000 charging cycles) helps reduce product life costs
- Refillable: grease filling nipple and de-airing valve allow filling up by filler or grease pump
- Safety valve setting set to 40 MPa (5,800 psi) helps increase operator safety
- Supplied with M10x1 nozzle, interchangeable with SKF hoses, SKF grease meter LAGM 1000E and other accessories



Replacement parts

Designation

LAGG 400B-1
LAGG 400B-2

Description

High pressure hose 750 mm (29.5 in.) with gripping nozzle
Battery pack

Piston pump with block feeder PF-VPBM

Manually operated

The piston pumps with a block feeder are used on farm machinery, small stackers and construction machinery as well as motor vehicle superstructures.

The piston pump has 6 to 12 lubricant outlets depending on the block feeder. Every stroke of the lever delivers 2 cm³ of lubricant to the feeder.

Also available without block feeder with only one M10 x 1 outlet on the front (order no. VGBL 169-000-146).

The level of the lubricant in the cartridge can be checked by pulling out the cartridge until distinct resistance is felt. When the cartridge is full, the piston rod can be pulled out approximately 415 mm.



Pay attention to cleanliness when changing cartridges, and proceed as follows:

1. Open the toggle-type fastener
2. Unscrew the gun tube
3. Pull piston rod out to the stop
4. Change the cartridge
5. Screw in the gun tube
6. Close the toggle-type fastener
7. Loosen the lock, push in the piston rod up to the stop
8. Actuate the vent valve until grease emerges

Ordering details

Complete unit	Number of outlets
VGBL PF-VPBM-3-2	6
VGBL PF-VPBM-4-2	8
VGBL PF-VPBM-5-2	10
VGBL PF-VPBM-6-2	12
VGBL 169-000-146	1 (Gun only)

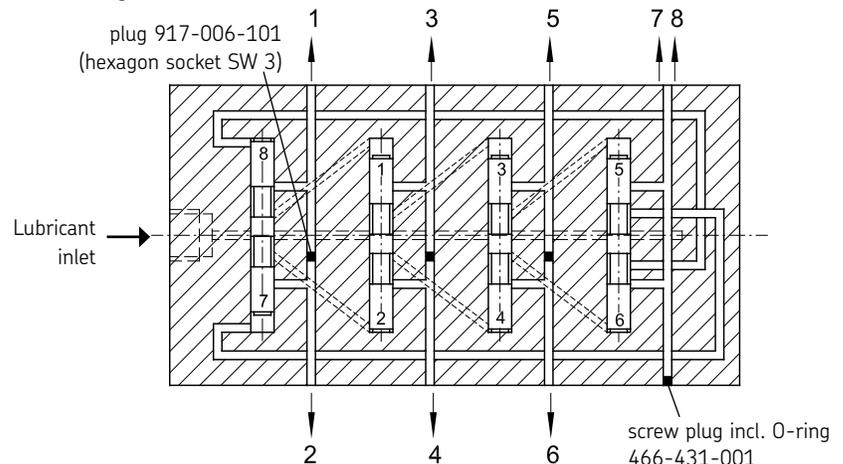
See Accessories chapter for tubing, fittings and connectors.
See Lubricants chapter for grease cartridges.



Ordering details

Progressive feeder	Number of outlet pairs (pistons)	Number of maximum outlets
VGAB VPBM-3	3	6
VGAB VPBM-4	4	8
VGAB VPBM-5	5	10
VGAB VPBM-6	6	12

Function diagram



Grease meter LAGM 1000E

Accurate grease quantity measurement for adequate lubrication

It is generally difficult to determine the correct quantity of grease when manually lubricating bearings, either using a grease gun or pump, which can result in either over- or under-greasing the bearing. That can negatively affect the bearing's service life and possibly result in machine breakdown.

The SKF grease meter LAGM 1000E accurately measures grease discharge in volume or weight, in both metric (cm^3 or g) and US units (fl. oz. or oz). It

has a high maximum pressure of 70 MPa (10,000 psi), making it ideal for use in combination with many types of grease guns and pumps.

- Measures grease discharge in volume or weight, making conversion calculations unnecessary
- High accuracy facilitates adequate bearing lubrication, reducing the risk of over- or under-greasing
- Suitable for all SKF bearing greases of consistency classes up to NLGI 3
- An oil and grease resistant rubber sleeve protects the electronics in case of impact

- The backlit LCD displays large and clear-to-read digits, including "low battery" indication
- Small, compact and lightweight design – only 0.3 kg (0.66 lb.)
- Corrosion-free aluminium housing
- Easy to install and use



Technical data

LAGP 400 (page 30)

Designation	LAGP 400		
Maximum volume per stroke	20 cm ³ (1.2 in ³)	Length	360 mm (14 in)
Material	Steel and polyethylene	Weight	0.35 kg (0.77 lb.)

VKN 550 (page 30)

Designation	VKN 550		
Description	Bearing grease packer	Other greases	NLGI class 000 to 2
Weight	1.8 kg (3.9 lb.)	Bearing range	
Material	Zinc plated, metal finish	– Inner diameter d	19 to 120 mm
Suitable greases	Approved for all SKF greases	– Outer diameter D	Max 200 mm

1077600 (page 31)

Designation	1077600		
Maximum pressure	40 MPa (5 800 psi)	Length	380 mm (14.9 in)
Volume/stroke	1.5 cm ³ (0.09 in ³)	Weight	1.5 kg (3.3 lb.)

LAGH 400 (page 31)

Designation	LAGH 400		
Maximum pressure	30 MPa (4 350 psi)	Length	370 mm (14.6 in)
Volume/stroke	approx. 0.8 cm ³ (0.049 in ³)	Weight	1.5 kg (3.3 lb.)

LAGG 400B (page 32)

Designation	Description
LAGG 400B	Battery driven grease gun (with 230 V charger)
LAGG 400B/US	Battery driven grease gun (with 110 V charger)
Maximum operating pressure	40 MPa (5 800 psi)
Min. burst pressure pump	80 MPa (11 600 psi)
Grease nozzle	4 jaws (suitable for nipples according to DIN 71412)
Operating temperature range	-15° to +50° C (5° to 120° F)
Grease NLGI	NLGI 000 to NLGI 2
Weight/dimensions:	
Dimensions of grease gun including battery (L x H x D)	410 x 230 x 80 mm (16.2 x 9 x 3.2 in)
Weight of grease gun (including battery)	3.1 kg (6.8 lbs.)
Dimensions of carrying case (W x D x H)	480 x 390 x 130 mm (18.9 x 15.3 x 5.1 in)
Total weight (including case)	5.4 kg (11.9 lbs.)

PF-VPBM (page 33)

Designation	PF-VPBM
Lubricant	Grease up to NLGI grade 2
Reservoir capacity	450 ccm in 400 g cartridge G or W DIN 1284
Temperature range	-25° to +80° C (-13° to +176° F)
Mounting position	Any position
Delivery rate	2 ccm per stroke
Maximum back pressure	400 bars

LAGM 1000E (page 34)

Designation	LAGM 1000E		
Housing material	Aluminium, anodized	Accuracy	±3% from 0 – 300 bar
Weight	0.3 kg (0.66 lb.)		±5% from 300 – 700 bar
IP rating	IP 67	Selectable units	cm ³ , g, fl. oz. or oz.
Suitable greases	NLGI 0 – NLGI 3	Display lamp auto switch off	15 seconds after last pulse
Maximum operating pressure	70 MPa (10,000 psi)	Low battery	Indication on display
Maximum grease flow	1 000 cm ³ /min (34 fl. oz./min)	Battery type	1.5 V LR1 (2x) Alkaline
Thread connections	M10 × 1	Unit auto switch off	1 minute after last pulse
Display	Lit LCD (4 digits / 9 mm)		

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SKF USA Inc.
Kulpsville, PA 19443, USA

(215) 513-4400

www.skfusa.com

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