

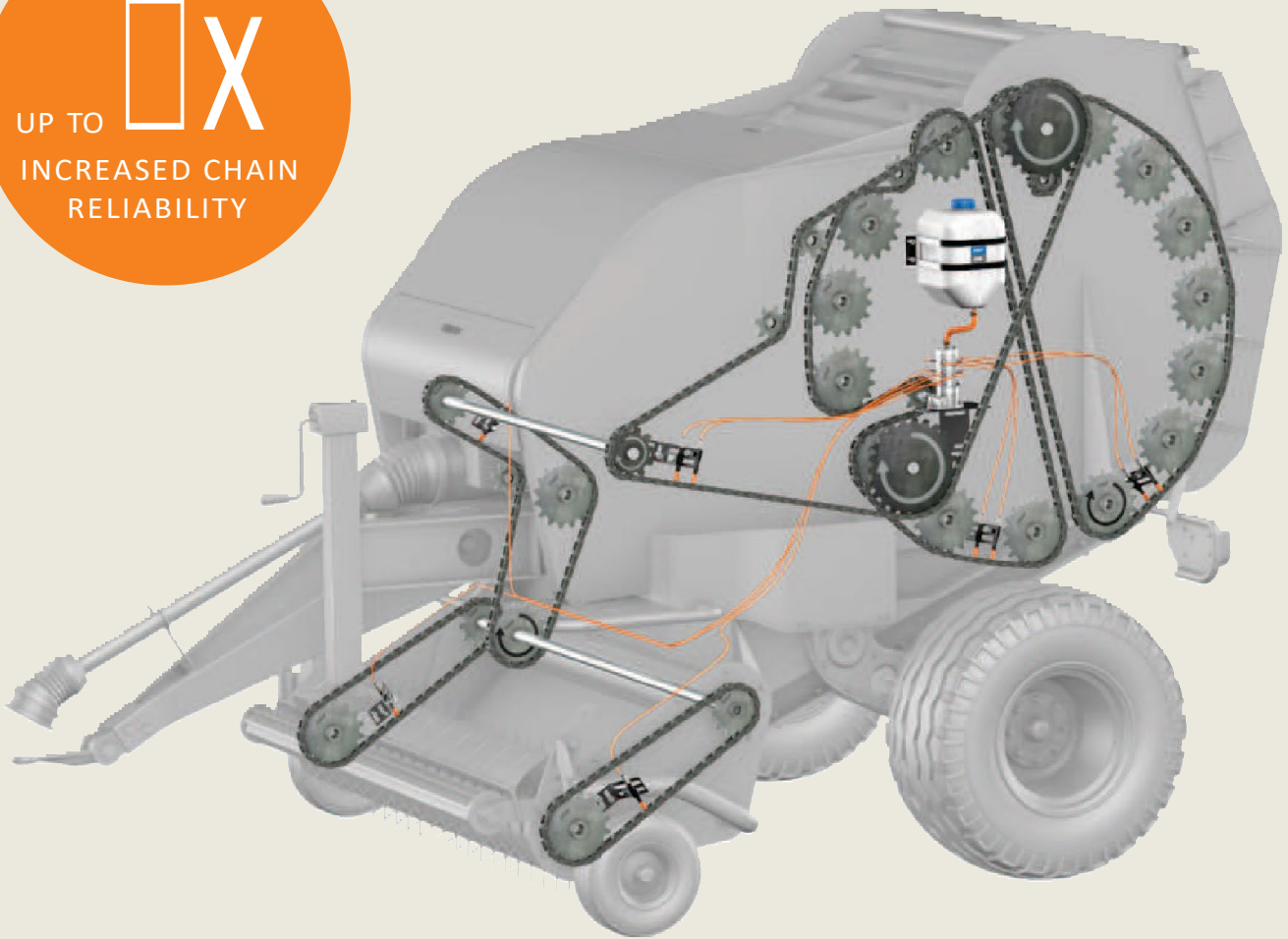
OCL-M (Oil Chain Lubrication - Mechanical)

Reliable chain lubrication for farm machinery

The system gives farmers confidence that machinery will run with maximum reliability



UP TO **10X**
INCREASED CHAIN
RELIABILITY



Spend more time in the field thanks to reliable automatic chain lubrication

The SKF Lincoln automatic chain lubrication system OCL-M was specifically developed for agricultural machineries such as balers and combines. It helps to maintain peak machine performance, by continuously dispensing precise amounts of lubricant to the moving chain. This can extend chain life, which helps to raise machine reliability.

During harvesting season, farmers focus on the task at hand. They do not want distractions – such as whether their baling machine will last the duration of the harvest.

By reducing chain wear, the OCL-M automatic lubrication system lessens the chance of downtime. Compared to manual chain lubrication, continuous lubrication can deliver a five-fold increase in reliability and service life.

This gives farmers confidence that their machinery will not break down during the rigours of harvesting.

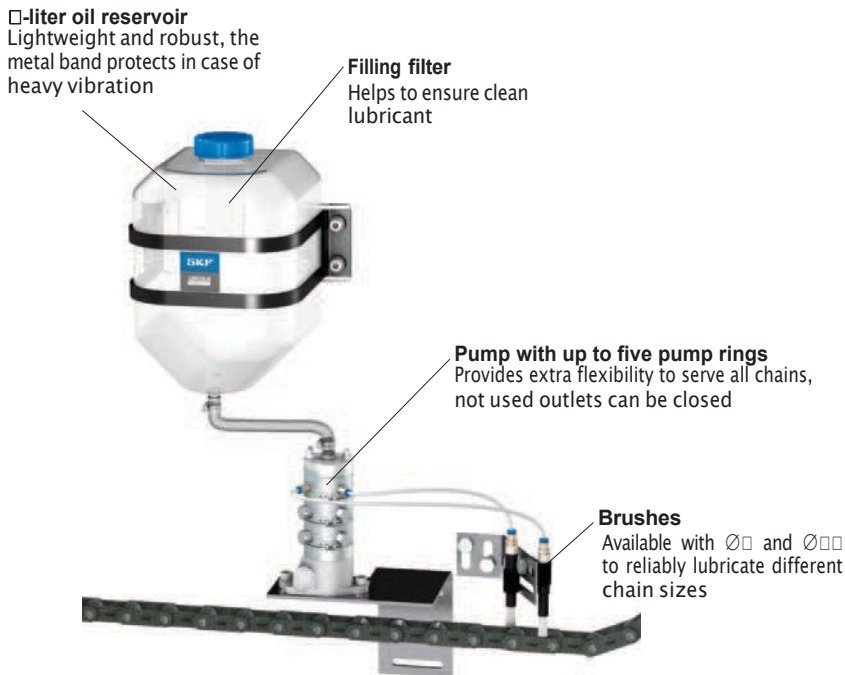
The harsh conditions during harvesting and baling, such as dust, moist and vibration, continuously stress all machine elements, specifically the chains. Continuous lubrication is vital for chain life.

The robust design of the OCL-M withstands these harsh conditions. The system design includes brushes – which clean the chain during operation.

Because it is mechanically driven, the system does not require any hydraulic or electrical fittings. Its simple mode of operation means that it will need minimal after-sales service.

OCL-M removes the need for manual lubrication. As well as freeing up time, this improves safety – as lubricating chains manually can be hazardous. In addition, the accuracy of automatic lubrication can help to reduce overall lubricant costs.

The mechanically driven system is available as a pre-configured kit. It is easy to select and install – a cost-effective way of raising operational efficiency.



Example layout of a OCL-M chain lubrication system with a 2-stage pump, 10-liter reservoir and two brushes

System benefits:

- Dispenses precise amounts of lubricant
- Lubricates continuously while the chains are warm and running
- Extends chain life up to five times
- Reduces maintenance, improves safety and cuts overall lubricant cost
- Robust design withstands harsh operating conditions
- Brushes in the design clean the chain during operation
- Can be adjusted to serve up to 10 lubrication points at the chains
- Available as a pre-configured kit – making it easy to select and easy to install

The heart of the system is a pump with a high degree of configuration features

Every machine is different and has a deviating number of chains and size of chains. The demand on the machine varies with the different work they solve; fast-moving chains need more lubrication than slow-moving. A high amount of dust or hay requires more cleaning force from the lubrication brushes. The pump can fulfil almost all chain requirements.

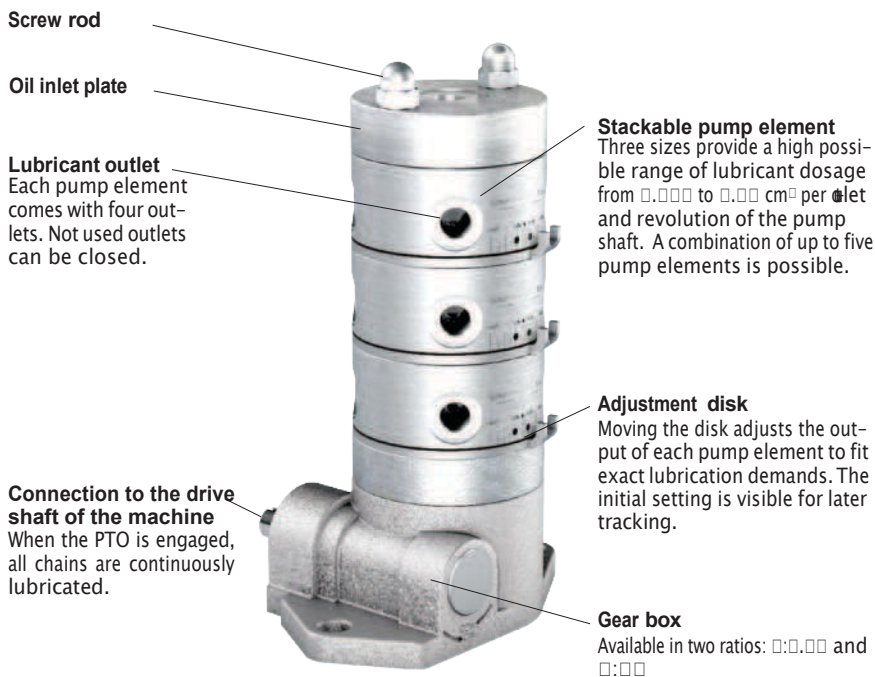
The OCL-M pump is mounted directly on a machine's shaft and dispenses precise amounts of oil to the moving chain when the machine works.

Customers can choose between two gear ratios (1:1.5 and 1:2) to drive the pump. The pump operates reliably independently from the rotation of the drive shaft thanks to its worm gear reversibility.

Three different pump elements with four lubricant outlets each provide a high possible range of lubricant dosage. Customers can combine up to five pump elements. In addition, they can adjust the output of each element easily by moving an adjustment disk. The initial setting is visible for later tracking.

Self-lubricating pump elements and pressure pistons support wear reduction and increase service life. In addition, the pump can run with higher shaft speeds.

These features allow you to adapt the system to your needs – to lubricate larger machinery or work under more demanding conditions.



Pump benefits:

- Dispenses very precise amounts of lubricant
- High flexibility in tailoring the pump to the needs of the application:
 - Up to 00 lubricant outlets possible
 - High possible range of lubricant dosage from 0.000 to 0.00 cm³
 - Precisely adjustable to fit exact lubrication demands
- Robust design withstands harsh operating conditions

Pre-configured kits make ordering easy and improve lead time

Perfect for customers looking for a pragmatic approach

The easiest and fastest way to order an OCL-M is to choose a pre-defined kit for a certain number of outlets. The kits contain a pump with three pump elements and a reservoir, the correct number of brushes and hoses, and all accessories you need to install the system at your machine.

OCL-M-Kit for up to 12 outlets



Part number OCL-MK-□□□□□□□-□

Included in the kit:

- Pump with three pump elements, each with □ mm piston diameter
- □-liter reservoir with installation accessories
- Pump mounting bracket with installation accessories
- Pump connecting accessories
- □□ brushes (Ø□) with mounting accessories
- □□-meter hose inclusive plastic helix hose protection and mounting accessories

OCL-M-Kit for up to 6 outlets



Part number OCL-MK-□□□□□□□-□

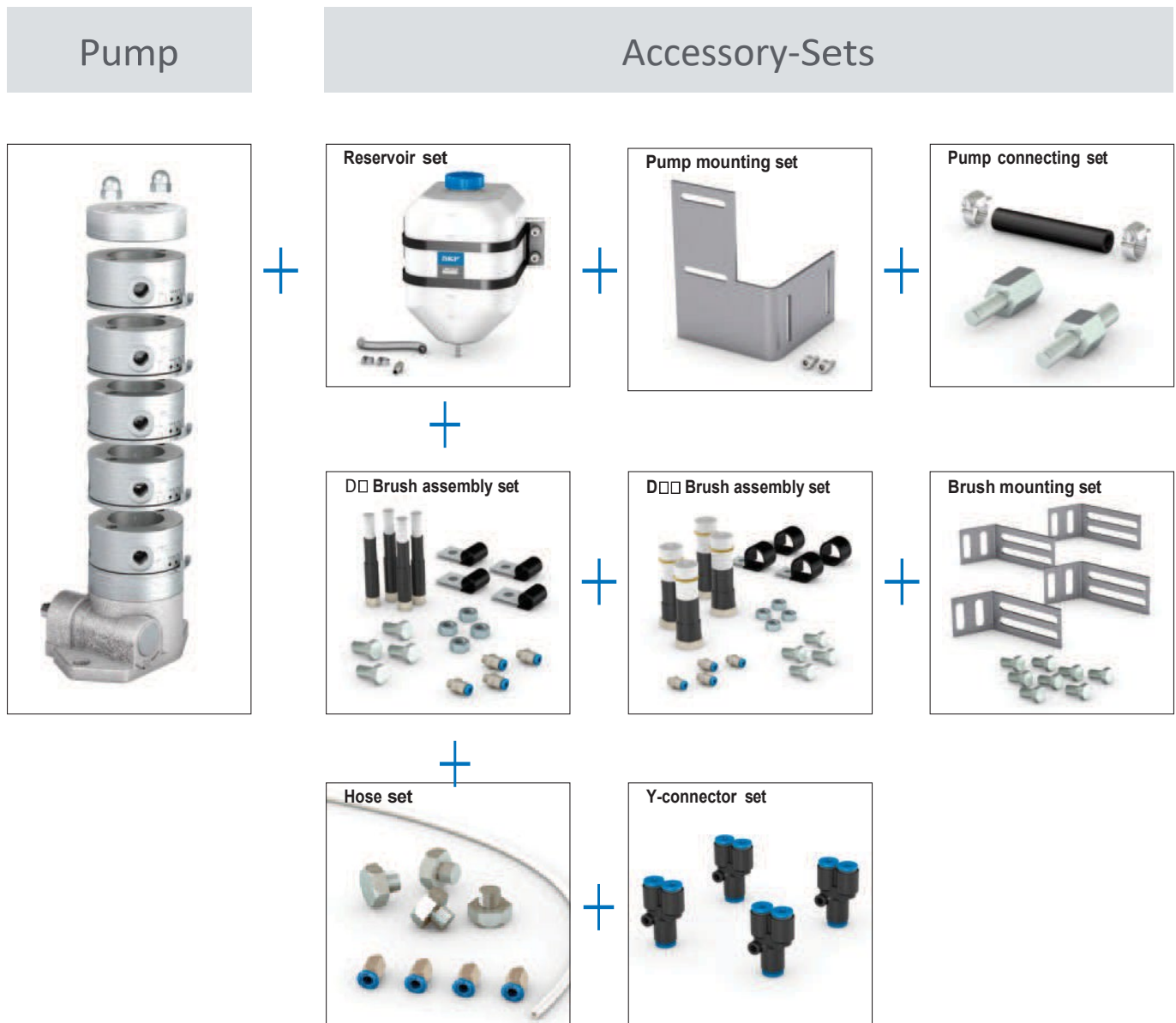
Included in the kit:

- Pump with two pump elements, each with □ mm piston diameter
- □-liter reservoir with installation accessories
- Pump mounting bracket with installation accessories
- Pump connecting accessories
- □ brushes (Ø□) with mounting accessories
- □□-meter hose inclusive plastic helix hose protection and mounting accessories

The individual combination of components tailors the OCL-M system to the application

Perfect for customers knowing exactly the demands of their machine

Users who precisely know their machine's demands and installation opportunities can create their own chain lubrication kit. Knowing the number of chains, the amount of oil for each chain and all installation details, you can easily configure the right pump and combine it with reservoir, brushes and pipes, including mounting accessories.



See →page □ for pump configuration code
See →page □ for accessory kit explanation code

How to configure the OCL-M pump

OCL - M - G - - -

Operation mode
M = Mechanically operated

Gear box
 = Ratio $\square:\square.\square\square$, $\square\square\square\square/\square\square\square$
 = Ratio $\square:\square\square$, $\square\square\square\square/\square\square$

Pump element D*
 = No D pump element selected
 = ring, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets

Pump element D*
 = No D pump element selected
 = ring, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets

Pump element D*
 = No D pump element selected
 = ring, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets
 = rings, outlets

* See table technical data for pump element details



Customers can combine up to five pump elements with four outlets each.

Order example



OCL-M-G----

- Oil Chain Lubrication pump
- Mechanically operated
- Gear box ratio $\square:\square.\square\square$, $\square\square\square\square/\square\square\square$
- pump element D with outlets, each with an output of $\square.\square\square-\square.\square\square$ cm³
- pump element D with outlets, each with an output of $\square.\square\square\square-\square.\square\square$ cm³
- pump element D with outlets, each with an output of $\square.\square\square\square-\square.\square\square$ cm³



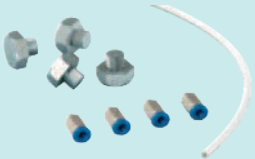


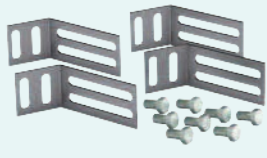





Technical data for OCL-M pumps

Function principle	Mechanically operated radial piston pump
Lubricants	Mineral oils (viscosity $\square\square$ to \square mm ² /s)
Lubricant temperature	$-\square\square$ to $+\square\square$ °C <i>+\square to $\square\square$F</i>
Ambient temperature	$-\square$ to $+\square\square$ °C <i>+$\square\square$ to \square</i>
Operating pressure	$\square\square$ bar <i>$\square\square\square$ psi</i>
Short-term pressure	$\square\square$ bar <i>$\square\square\square$ psi</i>
Drive speed	$\square\square$ to $\square\square\square$ r/min
Gear box	Worm and worm wheel
Ratio	$\square:\square.\square\square$; $\square:\square$
Stackable pump elements max.	<input type="checkbox"/>
Outlets per pump element	<input type="checkbox"/>
Total number of outlets	$\square-\square\square$
Displacement per outlet and revolution of the pump shaft	
Pump element D <input type="checkbox"/>	$\square.\square\square-\square.\square\square$ cm ³
Pump element D <input type="checkbox"/>	$\square.\square\square\square-\square.\square\square$ cm ³
Pump element D <input type="checkbox"/>	$\square.\square\square\square-\square.\square\square$ cm ³
Displacement variability	Continuously
Inlet/outlet connection	G <input type="checkbox"/> / <input type="checkbox"/> BSP
Mounting position	Any

Dimensions and weight for OCL-M pumps with

<input type="checkbox"/> pump element	<input type="checkbox"/> pump elements	<input type="checkbox"/> pump elements	<input type="checkbox"/> pump elements	<input type="checkbox"/> pump elements
Dimensions (max. H×W×D) $\square\square\square\times\square\square\square\times\square\square$ mm <i>$\square.\square\square\times\square.\square\square\times\square.\square\square$ in</i>	$\square\square\square\times\square\square\square\times\square\square$ mm <i>$\square.\square\square\times\square.\square\square\times\square.\square\square$ in</i>	$\square\square\square\times\square\square\square\times\square\square$ mm <i>$\square.\square\square\times\square.\square\square\times\square.\square\square$ in</i>	$\square\square\square\times\square\square\square\times\square\square$ mm <i>$\square.\square\square\times\square.\square\square\times\square.\square\square$ in</i>	$\square\square\square\times\square\square\square\times\square\square$ mm <i>$\square.\square\square\times\square.\square\square\times\square.\square\square$ in</i>
Weight \square kg <i>$\square.\square$ lb</i>	$\square.\square$ kg <i>$\square.\square\square$ lb</i>	$\square.\square$ kg <i>$\square.\square\square$ lb</i>	$\square.\square$ kg <i>$\square.\square\square$ lb</i>	$\square.\square$ kg <i>$\square.\square\square$ lb</i>

Assessory sets

Set part number	Description	Image	Quantity	Component specification
0000-00000-0	OCL-M pump mounting bracket set		1 pc 1 pc	Universal pump mounting bracket Hex socket screw M10x100
0000-00000-0	OCL-M Reservoir set		1 pc 1 pc 1.0 m 1 pc	1 liter reservoir assembly G1/2 1 barb fitting Clear nylon PVC hose (ID 10 mm; OD 16 mm) Hose clamp 10-16 mm (SS304)
0000-00000-0	Hose set		1 pc 1 pc 1.0 m	Push-in fitting WP1000000-0-R0/0 (straight) Closure plug 10/16 in BSP Tube, PA66HL WH00T0 1.0x16.0 natural DG
0000-00000-0	Brush assembly set (D1)		1 pc 1 pc 1 pc 1 pc 1 pc	Brush, 10 mm Push-in fitting C10000 HSN1-M10x1 Clip, 10 mm Hex HD screw, ISO 10000, M10x25, 10.9 Hex nut, ISO 10000, M10x1
0000-00000-0	Brush assembly set (D2)		1 pc 1 pc 1 pc 1 pc 1 pc	Brush, 16 mm Push-in fitting C10000 HSN1-M10x1 Clip, 16 mm Hex H screw, ISO 10000, M10x25, 10.9 Hex nut, ISO 10000, M10x1
0000-00000-0	Brush mounting set		1 pc 1 pc	Brush mounting plate Hex HD screw, ISO 10000, M10x25, 10.9
0000-00000-0	Pump connecting set		1 pc 1 pc	SAE1000R1-0 hydraulic hose 10 mm Hose clamp 10-16 mm (SS304)
0000-00000-0	Y-connector set		1 pc	Push-in fitt-C1000 HSN 1-M10x1
0000-00000-0	Additional accessories		1.0 m	Flexible tube helix 10/16
0000-00000-0	Additional accessories		1.0 m	Plastic helix GR 10 black
0000-00000-0	Additional accessories		1.0 m	GI metallic flexible conduit 10/16 in



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