



Electromechanical lubricators

CONCEPT2

CONCEPT4

CONCEPT8

Cartridges

Voltage supply, device holders

Splitters, progressive distributors

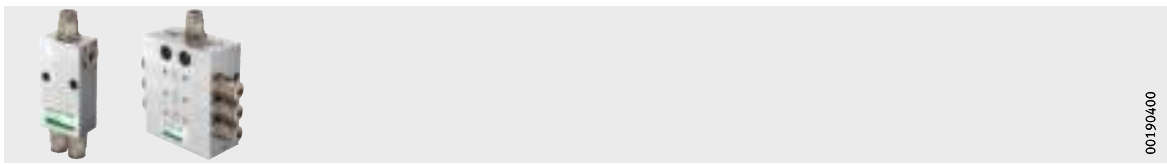
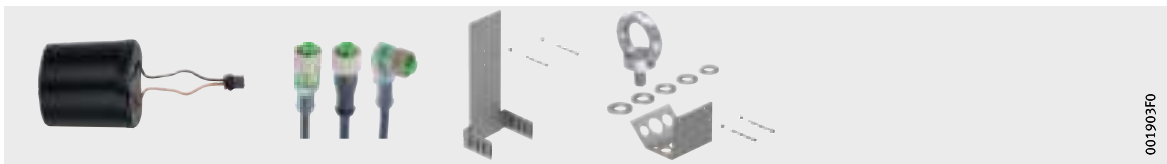
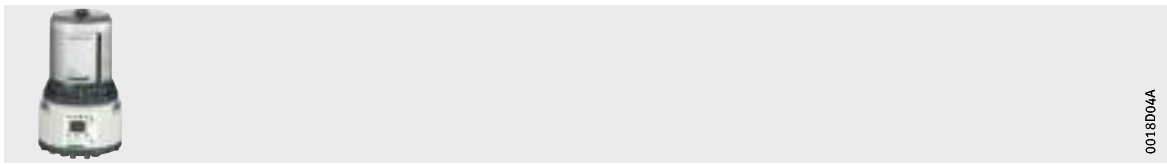
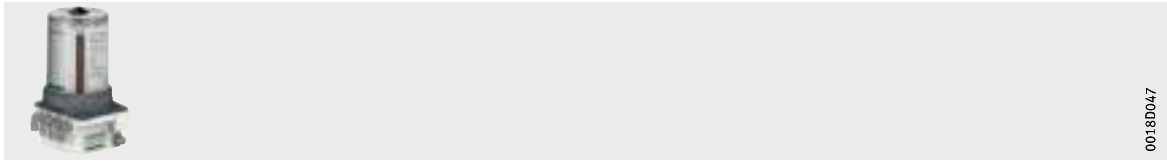
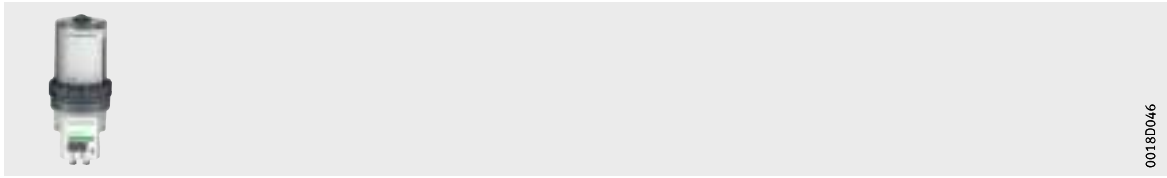
Fittings, Y pieces, check valves

Hoses, hose cutters

Demo case, kits

Electromechanical lubricators

CONCEPT2	.....	42
	These lubricators to protection class IP54 offer, with their two pump bodies, a high degree of flexibility for the supply of grease or oil as a lubricant.	
CONCEPT4	.....	48
	These lubricators to protection class IP54 offer, with their two pump bodies, a high degree of flexibility for the supply of grease as a lubricant.	
CONCEPT8	.....	54
	These lubricators to protection class IP65 offer, with their two or four pump bodies, a high degree of flexibility for the supply of grease or oil as a lubricant.	
Cartridges	.....	60
	Cartridges are available filled with Arcanol lubricants, filled with customer-specific grease and unfilled.	
Voltage supply, device holders	.....	70
	The lubrication systems can be supplied with voltage via a battery (CONCEPT2 only) or via a connection cable with plug. Device holders facilitate the mounting of the equipment.	
Splitters, progressive distributors	.....	75
	Splitters and progressive distributors offer the possibility of branching a pump outlet.	
Fittings, Y pieces, check valves	.....	80
	For the connection of lubricant lines to the lubricator or the lubrication point, there is an extensive range of fittings available.	
Hoses, hose cutters	.....	88
	A reliable supply of lubricant can be achieved by means of various hose diameters in graduated lengths as well as special hose cutters.	
Demo case, kits	.....	90
	Demo case (CONCEPT2, CONCEPT8), complete packages for electric motors (CONCEPT2), seal kits (CONCEPT8) and cover kits (CONCEPT2, CONCEPT4, CONCEPT8).	



CONCEPT2

- ① Multi-function interface for voltage supply and I/O communication
- ② Outlets of piston pumps P1 and P2

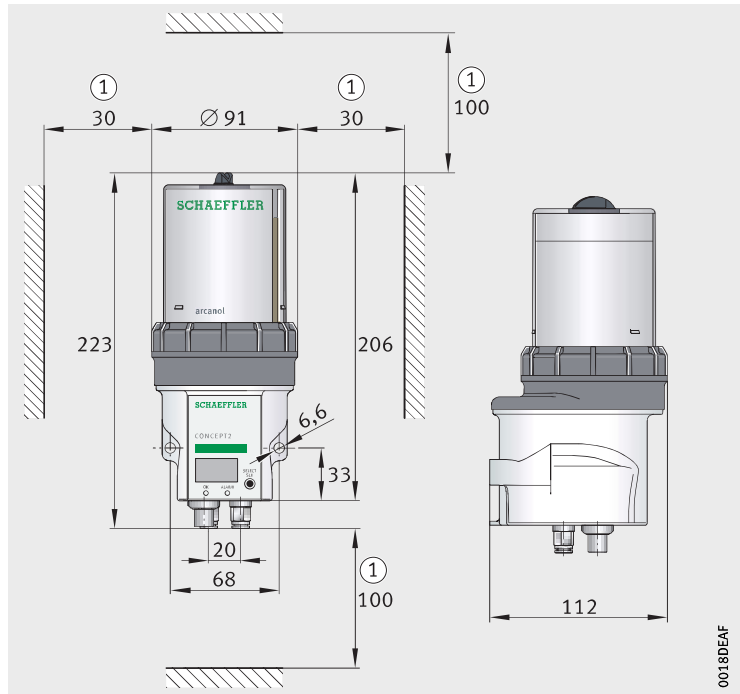
Figure 1
CONCEPT2...-24VDC
with multi-function interface



0018B2D4

- ① Minimum distances necessary for the mounting and dismounting of the cartridge and hose connectors

Figure 2
Dimensions and
minimum distances



0018DEAF

Advantages of the lubricator
CONCEPT2

- automatic lubricator for grease and oil (Arcanol range; other lubricants by agreement)
- easy to use and intuitive programming via LCD display in control panel
- flexible:
filled cartridges containing Arcanol lubricants from Schaeffler or unfilled cartridges for customers to fill with their own greases
- sustainable:
the cartridges can be filled up to three times and are kind to the environment
- cost-effective:
good price/performance ratio compared with other lubricators of the same device class
- two independently controllable special piston pumps (integrated back pressure monitoring) facilitate long lubrication lines
- lubrication intervals can either be controlled internally via an integrated timer or externally via PLC
- voltage supply either via battery or mains connection (DC 24 V)
- output of error messages via display, status LED and multi-function interface.



Further information

Brochures:

- ICB CONCEPT2, The lubrication system that gets straight to the point
<https://www.schaeffler.de/std/1F5D>
- FCE Rolling Bearing Lubrication Made Easy (CONCEPT2 EKIT)
<https://www.schaeffler.de/std/1F5A>
- FBS Systematic Lubrication, Intelligent solutions for your systems engineering
<https://www.schaeffler.de/std/1F5C>

User manuals:

- BA 39 CONCEPT2
<https://www.schaeffler.de/std/1F60>
- BA 40 CONCEPT2 (DC 24 V)
<https://www.schaeffler.de/std/1F61>

Reference sheet:

- GTS 0132 Automatic Lubrication of Belt Conveyor Systems in Brown Coal Opencast Mining
<https://www.schaeffler.de/std/1F65>

CONCEPT2

Type overview CONCEPT2

With battery, for grease lubrication with hose diameter 6 mm			
Pump body	Outlets	Ordering number	Ordering designation
Quantity	Quantity		
2	2	086872931-0000-10	ARCALUB-C2-2P

Type overview CONCEPT2-2P-24VDC

With connector for DC 24 V, for grease lubrication with hose diameter 6 mm			
Pump body	Outlets	Ordering number	Ordering designation
Quantity	Quantity		
2	2	086873105-0000-10	ARCALUB-C2-2P-24VDC

Type overview CONCEPT2-2P-OIL-24VDC

With connector for DC 24 V, for oil lubrication with hose diameter 6 mm			
Pump body	Outlets	Ordering number	Ordering designation
Quantity	Quantity		
2	2	092246265-0000-10	ARCALUB-C2-2P-OIL-24VDC

Features of the device variants

Feature		ARCALUB-C2-		
		2P	2P-24VDC	2P-24VDC-OIL
Pump control	Internally by timer	●	●	●
	Externally via PLC	–	●	●
Grease (replaceable cartridge, 250 cm ³)		●	●	–
Oil (built-in oil reservoir, 300 cm ³)		–	–	●
Internal voltage supply, DC 3 V (battery)		●	–	–
External voltage supply, DC 24 V (multi-function interface)		–	●	●

Technical data
CONCEPT2
CONCEPT2-...-24VDC
CONCEPT2-...-OIL-24VDC

Feature	Value	
Dimensions	91 mm×223 mm×112 mm	
Mass (without cartridge)	≈ 1 kg	
Mounting position	Vertical	
Protection class	IP54	
Housing material	Polyamide	
Lubricant volume	Grease cartridge	250 cm ³
	Oil	280 cm ³
Lubricant	Grease	Grease up to NLGI 2 ¹⁾
	Oil	> 68 cSt
Functional principle	Piston pump	
Operating pressure	DC 24 V	50 bar +7,5/-5 bar
	Battery	30 bar +4,5/-3 bar
Metering volume per outlet with one delivery stroke	0,16 cm ³ 0/-0,008 cm ³	
Guaranteed number of lubrication cycles per outlet	50 000 (corresponding to approx. 7 500 cm ³ of lubricant)	
Number of outlets	2	
Outside diameter of the lubricant line	6 mm	
Number of lubrication points	Depending on hose connector: <input type="checkbox"/> ≤ 2 (direct) <input type="checkbox"/> ≤ 4 (with splitters) <input type="checkbox"/> > 4 (with progressive distributors) ²⁾	
Connection	PA hose	
Operating temperature	-20 °C up to +70 °C	
Operating voltage	DC 24 V +4,8/-4,8 V (stabilised) via cable	
	3-V lithium-metal battery	
Connection plug for multi-function interface	M12×1, 4 pin (only for DC 24 V)	
Current consumption DC 24 V	I _{max} ≤ 250 mA	
Control of the lubrication intervals	Integrated time control by timer, 25 minutes to 925 minutes	
	External time control via multi-function interface (PLC)	
Error output via display (error message with error code)	Empty, original cartridge missing, pump body motor too slow, internal electrical defect, back pressure too high	
Status information via the multi-function interface	Empty, collective error, signal for successfully completed lubrication cycle	



- 1) Arcanol greases up NLGI 2
(taking into account the maximum lubricant line length).
 Other greases up to NLGI 2
(with experimental determination of maximum lubricant line length).
 No solid particles (except PTFE).
- 2) Technical clarification necessary.

CONCEPT2

Ordering example

When ordering, the components must be selected according to the application. The ordering designation and ordering number must always be stated.

Example

CONCEPT2 (battery version), grease cartridge with Arcanol MULTITOP, hose 10 m, 2 lubrication points with internal thread M8.



Example Ordering

Item	Ordering		
	Quantity	Ordering number	Ordering designation
①	1	086872931-0000-10	ARCALUB-C2-2P
②	1	087314762-0000-10	ARCALUB-C2.BATTERY
③	1	076691497-0000-10	ARCALUB-X.HOSE-PA12-10M
④	2	079567428-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT086G
⑤	1	087328810-0000-10	ARCALUB-C2.LC250-MULTITOP
⑥	1	083788620-0000-10	ARCALUB-X.HOSE-CUTTOOL
⑦	1	019144016-0000-10	ARCANOL-MULTITOP-400G
⑧	1	084465905-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT186G



CONCEPT4

- ① Multi-function interface for voltage supply and I/O interface
- ② Outlets of piston pumps P1 to P2

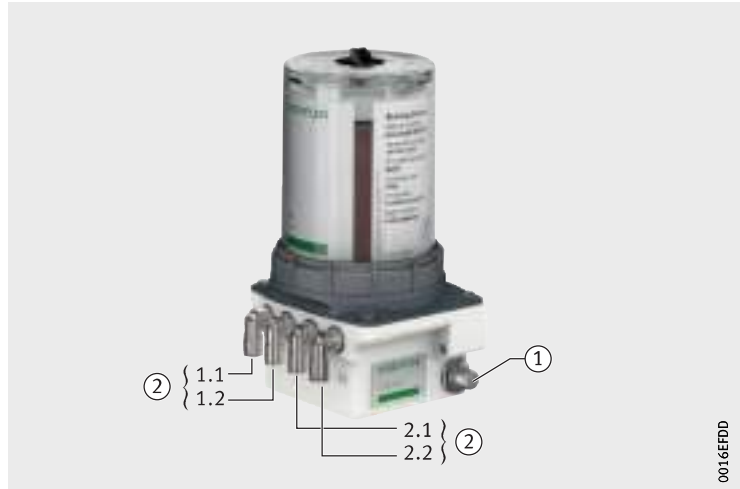


Figure 1
CONCEPT4
with multi-function interface

- ① Minimum distances necessary for the mounting and dismounting of the cartridge and hose connectors

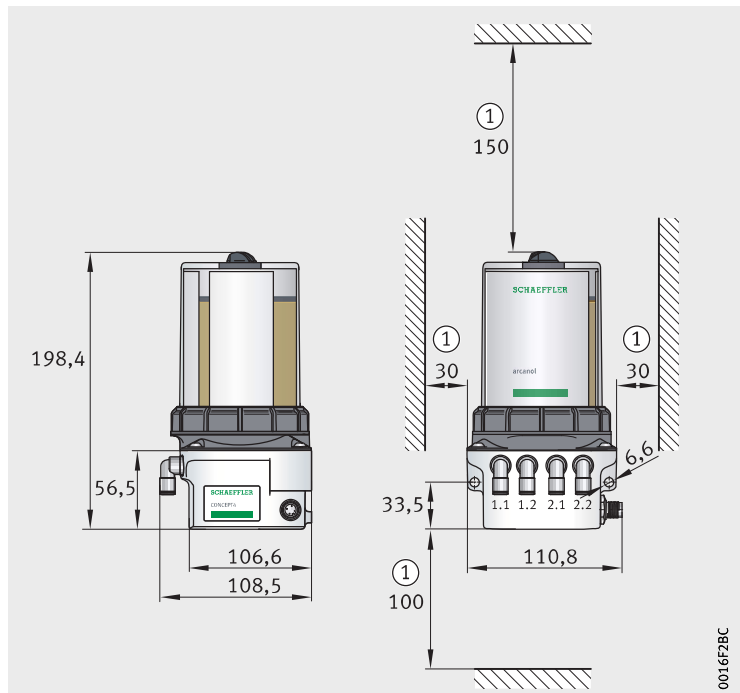


Figure 2
Dimensions and
minimum distances

Advantages of the lubricator
CONCEPT4

- automatic lubricator for grease and oil (Arcanol range; other lubricants by agreement)
- flexible:
filled cartridges containing Arcanol lubricants from Schaeffler or unfilled cartridges for customers to fill with their own greases
- sustainable:
the cartridges can be filled up to three times and are kind to the environment
- cost-effective:
good price/performance ratio compared with other lubricators of the same device class
- two independently controllable special piston pumps (integrated back pressure monitoring) facilitate long lubrication lines
- control of the lubrication intervals via PLC
- output of error messages via multi-function interface.



The lubricator has no operating and display unit that could be used for programming and status display. As a result, it must always be integrated into an external controller (PLC) for operation.

Further information

Brochures:

- ICC CONCEPT4, The lubrication system that gets straight to the point
<https://www.schaeffler.de/std/1F7B>
- FBS Systematic Lubrication, Intelligent solutions for your systems engineering
<https://www.schaeffler.de/std/1F5C>

User manuals:

- BA 67 CONCEPT4
<https://www.schaeffler.de/std/1F6B>



CONCEPT4

Type overview CONCEPT4

With connector for DC 24 V, for grease lubrication with hose diameter 8 mm			
Pump body Quantity	Outlets Quantity	Ordering number	Ordering designation
2	4	094901589-0000-10	ARCALUB-C4-2P-24VDC

**Technical data
CONCEPT4**

Feature	Value
Dimensions	108,5 mm×198,4 mm×110,8 mm
Mass (without grease cartridge)	≈ 1,3 kg
Mounting position	Vertical
Protection class	IP54
Housing material	Die-cast zinc, PA66-GF30, POM
Lubricant volume (grease cartridge)	400 cm ³
Lubricant medium	Grease up to NLGI 2 ¹⁾
Functional principle	Piston pump
Operating pressure	70 bar +7/-10,5 bar
Metering volume per outlet with one delivery stroke	0,16 cm ³ 0/-0,008 cm ³
Guaranteed number of lubrication cycles per outlet	65 000 (corresponding to approx. 9 750 cm ³ of lubricant)
Number of outlets	4
Outside diameter of the lubricant line	8 mm
Number of lubrication points	Depending on the connection for the lubricant lines: <ul style="list-style-type: none"> ■ ≤ 4 (direct) ■ ≤ 8 (with splitters) ■ > 12 (with progressive distributors)²⁾
Connection	PA hose
Operating temperature	-15 °C up to +60 °C
Operating voltage (stabilised)	DC 24 V +4,8/-4,8 V
Connection plug for multi-function interface	M12×1, 4 pin
Current consumption DC 24 V	I _{max} ≤ 350 mA
Control of the lubrication intervals	External time control via multi-function interface (PLC)
Status information via the multi-function interface	Advance fill level warning, empty, collective error, signal for successfully completed lubrication cycle



- 1) Arcanol-greases up NLGI 3
(taking into account the maximum lubricant line length).
Other greases up to NLGI 2
(with experimental determination of maximum lubricant line length).
No solid particles (except PTFE).
- 2) Technical clarification necessary.

CONCEPT4

Ordering example

When ordering, the components must be selected according to the application. The ordering designation and ordering number must always be stated.

Example

CONCEPT4, grease cartridge with Arcanol MULTITOP, hose 50 m, 4 lubrication points with internal thread M8.



Example Ordering

Item	Ordering		
	Quantity	Ordering number	Ordering designation
①	1	094901589-0000-10	ARCALUB-C4-2P-24VDC
②	1	075378361-0000-10	ARCALUB-X.CABLE-M12-10M
③	1	083788603-0000-10	ARCALUB-X.HOSE-PA66-50M
④	4	083654216-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088G
⑤	1	095056777-0000-10	ARCALUB-C4.LC400-MULTITOP
⑥	1	083788620-0000-10	ARCALUB-X.HOSE-CUTTOOL
⑦	1	019144016-0000-10	ARCANOL-MULTITOP-400G
⑧	1	083654534-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT188G



CONCEPT8

- ① Multi-function interface for voltage supply and I/O interface
- ② Outlets of piston pumps P1 to P4

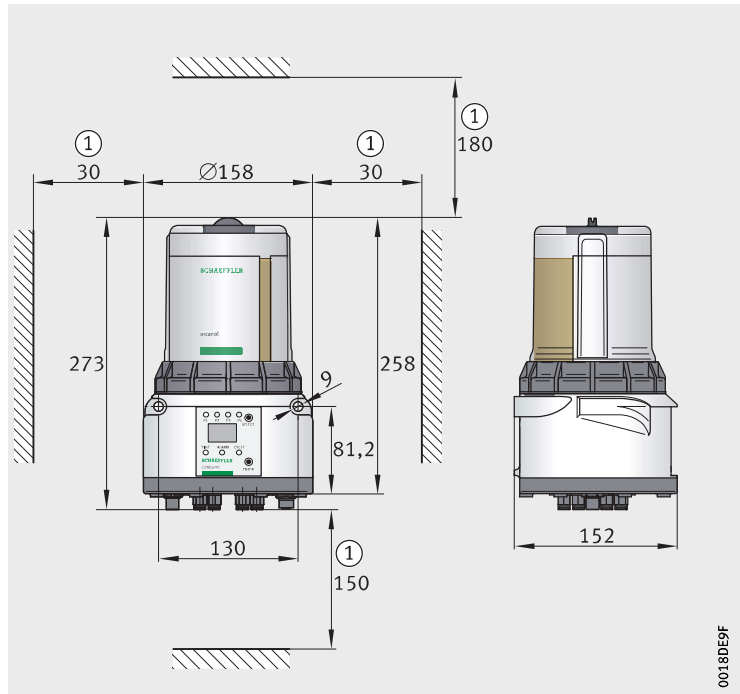
Figure 1
CONCEPT8
with multi-function interface



0016EFCF

- ① Minimum distances necessary for the mounting and dismounting of the cartridge and hose connectors

Figure 2
Dimensions and
minimum distances



0018DE9F

Advantages of the lubricator
CONCEPT8

- automatic lubricator for grease and oil (Arcanol range; other lubricants by agreement)
- easy to use and intuitive programming via LCD display in control panel
- flexible:
filled cartridges containing Arcanol lubricants from Schaeffler or unfilled cartridges for customers to fill with their own greases
- sustainable:
the cartridges can be filled up to three times and are kind to the environment
- cost-effective:
good price/performance ratio compared with other lubricators of the same device class
- up to four independently controllable special piston pumps (dual piston body with integrated back pressure monitoring) facilitate long lubrication lines
- lubrication intervals can either be controlled internally via an integrated timer or externally via PLC
- output of error messages via display, status LED and multi-function interface.



Further information

Brochures:

- ICD CONCEPT8, The lubrication system that gets straight to the point
<https://www.schaeffler.de/std/1F7C>
- FBS Systematic Lubrication, Intelligent solutions for your systems engineering
<https://www.schaeffler.de/std/1F5C>

User manuals:

- BA 36 CONCEPT8
<https://www.schaeffler.de/std/1F5E>
- BA 37 CONCEPT8-OIL
<https://www.schaeffler.de/std/1F5F>

Reference sheet:

- GTS 0113 Automatic Lubrication of Belt Conveyor Systems in Brown Coal Opencast Mining
<https://www.schaeffler.de/std/1F62>
- GTS 0115 Automatic Lubrication of a Wide Belt Sanding Machine in a Hardwood Saw Mill
<https://www.schaeffler.de/std/1F63>
- GTS 0113 Automatic Lubrication of a Large-Size Fan
<https://www.schaeffler.de/std/1F64>

CONCEPT8

Type overview CONCEPT8

With connector for DC 24 V, for grease lubrication with hose diameter 8 mm			
Pump body Quantity	Outlets Quantity	Ordering number	Ordering designation
2	4 ¹⁾	082249156-0000-10	ARCALUB-C8-2P
4	8 ¹⁾	082266646-0000-10	ARCALUB-C8-4P

¹⁾ Adjustment by deactivation of pump bodies and by combination or splitting of outlets.

Type overview CONCEPT8-..-OIL

With connector for DC 24 V, for oil lubrication with hose diameter 6 mm			
Pump body Quantity	Outlets Quantity	Ordering number	Ordering designation
2	4 ¹⁾	083786910-0000-10	ARCALUB-C8-2P-OIL
4	8 ¹⁾	083787062-0000-10	ARCALUB-C8-4P-OIL

¹⁾ Adjustment by deactivation of pump bodies and by combination or splitting of outlets.

Technical data
CONCEPT8
CONCEPT8-...-OIL

Feature	Value	
Dimensions	158 mm×273 mm×152 mm	
Mass (without cartridge)	≈ 3 kg	
Mounting position	Vertical	
Protection class	IP65	
Housing material	Aluminium (powder coated), polyamide	
Lubricant volume	Grease cartridge	800 cm ³
	Oil	1 000 cm ³
Lubricant	Grease	Grease up to NLGI 2 ¹⁾
	Oil	> 68 cSt
Functional principle	Piston pump	
Operating pressure	70 bar +7/-10,5 bar	
Metering volume per outlet with one delivery stroke	0,16 cm ³ 0/-0,008 cm ³	
Guaranteed number of lubrication cycles per outlet	65 000 (corresponding to approx. 9 750 cm ³ of lubricant)	
Number of outlets	max. 8	
Outside diameter of the lubricant line	Grease	8 mm
	Oil	6 mm
Number of lubrication points	Depending on hose connector: <ul style="list-style-type: none"> ■ ≤ 8 (direct) ■ ≤ 16 (with splitters) ■ > 16 (with progressive distributors)²⁾ 	
Connection	PA hose	
Operating temperature	-20 °C up to +70 °C	
Operating voltage (stabilised)	DC 24 V +4,8/-4,8 V	
Connection plug for multi-function interface	M12×1, 4 pin	
Current consumption DC 24 V	I _{max} ≤ 350 mA	
Control of the lubrication intervals	Integrated time control by timer, 1 hour to 240 hours	
	External time control via multi-function interface (PLC)	
Error output via display (error message with error code)	Empty, original cartridge missing, pump body motor too slow, internal electrical defect, back pressure too high	
Status information via the multi-function interface	Collective error, signal for successfully completed lubrication cycle	



- 1) Arcanol greases up NLGI 3
(taking into account the maximum lubricant line length).
Other greases up to NLGI 2
(with experimental determination of maximum lubricant line length).
No solid particles (except PTFE).
- 2) Technical clarification necessary.

CONCEPT8

Ordering example

When ordering, the components must be selected according to the application. The ordering designation and ordering number must always be stated.

Example

CONCEPT8, grease cartridge with Arcanol MULTITOP, hose 50 m, 8 lubrication points with internal thread M8.



- ① CONCEPT8
- ② Connection cable with plug
- ③ Hose
- ④ Hose connector parts
- ⑤ Grease cartridge

Optional:

- ⑥ Hose cutter
- ⑦ Grease cartridge for lever grease gun (for prefilling the lubricant lines)
- ⑧ Hose connector part (for connecting hand-lever press and hose)

Figure 3
Example

Example Ordering

Item	Ordering		
	Quantity	Ordering number	Ordering designation
①	1	082266646-0000-10	ARCALUB-C8-4P
②	1	075378361-0000-10	ARCALUB-X.CABLE-M12-10M
③	1	083788603-0000-10	ARCALUB-X.HOSE-PA66-50M
④	8	083654216-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088G
⑤	1	082631492-0000-10	ARCALUB-C8.LC800-MULTITOP
⑥	1	083788620-0000-10	ARCALUB-X.HOSE-CUTTOOL
⑦	1	019144016-0000-10	ARCANOL-MULTITOP-400G
⑧	1	083654534-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT188G



Cartridges

Cartridges, filled with Arcanol grease Grease cartridges for CONCEPT2

The grease cartridges for the lubricator CONCEPT2 have a grease volume of 250 cm³, *Figure 1*.



Figure 1
Grease cartridge
for CONCEPT2

Type overview Standard grease cartridges 250 cm³

Grease	Ordering number	Ordering designation
Arcanol CLEAN-M	087334194-0000-10	ARCALUB-C2.LC250-CLEAN-M
Arcanol FOOD2	087334020-0000-10	ARCALUB-C2.LC250-FOOD2
Arcanol LOAD150	087329077-0000-10	ARCALUB-C2.LC250-LOAD150
Arcanol LOAD220	087329115-0000-10	ARCALUB-C2.LC250-LOAD220
Arcanol LOAD400	087329131-0000-10	ARCALUB-C2.LC250-LOAD400
Arcanol LOAD460	087329140-0000-10	ARCALUB-C2.LC250-LOAD460
Arcanol LOAD1000	087329280-0000-10	ARCALUB-C2.LC250-LOAD1000
Arcanol MULTI2	087328038-0000-10	ARCALUB-C2.LC250-MULTI2
Arcanol MULTITOP	087328810-0000-10	ARCALUB-C2.LC250-MULTITOP
Arcanol MOTION2	087334216-0000-10	ARCALUB-C2.LC250-MOTION2
Arcanol SEMIFLUID	095195831-0000-10	ARCALUB-C2.LC250-SEMIFLUID
Arcanol SPEED2,6	087334046-0000-10	ARCALUB-C2.LC250-SPEED2,6
Arcanol TEMP90	087329816-0000-10	ARCALUB-C2.LC250-TEMP90
Arcanol TEMP110	087329840-0000-10	ARCALUB-C2.LC250-TEMP110
Arcanol TEMP120	087329980-0000-10	ARCALUB-C2.LC250-TEMP120
Arcanol TEMP200	087329999-0000-10	ARCALUB-C2.LC250-TEMP200

Further information

Technical Product Information:

- TPI 168 Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F66>

Datasheet:

- FAS Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F67>

Grease cartridges for CONCEPT4

The grease cartridges for the lubricator CONCEPT4 have a grease volume of 400 cm³, *Figure 2*.



Figure 2
Grease cartridge for CONCEPT4

**Type overview
Standard grease cartridges
400 cm³**

Grease	Ordering number	Ordering designation
Arcanol CLEAN-M	095058125-0000-10	ARCALUB-C4.LC400-CLEAN-M
Arcanol EM-L038	095058141-0000-10	ARCALUB-C4.LC400-EM-L038
Arcanol FOOD2	095058117-0000-10	ARCALUB-C4.LC400-FOOD2
Arcanol LOAD150	095056785-0000-10	ARCALUB-C4.LC400-LOAD150
Arcanol LOAD220	095056793-0000-10	ARCALUB-C4.LC400-LOAD220
Arcanol LOAD400	095056807-0000-10	ARCALUB-C4.LC400-LOAD400
Arcanol LOAD460	095058010-0000-10	ARCALUB-C4.LC400-LOAD460
Arcanol LOAD1000	095058028-0000-10	ARCALUB-C4.LC400-LOAD1000
Arcanol MULTI2	095056769-0000-10	ARCALUB-C4.LC400-MULTI2
Arcanol MULTI3	095056750-0000-10	ARCALUB-C4.LC400-MULTI3
Arcanol MULTITOP	095056777-0000-10	ARCALUB-C4.LC400-MULTITOP
Arcanol MOTION2	095058133-0000-10	ARCALUB-C4.LC400-MOTION2
Arcanol SEMIFLUID	095195823-0000-10	ARCALUB-C4.LC400-SEMIFLUID
Arcanol SPEED2,6	095058087-0000-10	ARCALUB-C4.LC400-SPEED2,6
Arcanol TEMP90	095058044-0000-10	ARCALUB-C4.LC400-TEMP90
Arcanol TEMP110	095058052-0000-10	ARCALUB-C4.LC400-TEMP110
Arcanol TEMP120	095058060-0000-10	ARCALUB-C4.LC400-TEMP120
Arcanol TEMP200	095058079-0000-10	ARCALUB-C4.LC400-TEMP200
Arcanol VIB3	095058095-0000-10	ARCALUB-C4.LC400-VIB3

Further information

Technical Product Information:

- TPI 168 Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F66>

Datasheet:

- FAS Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F67>

Cartridges

Grease cartridges for CONCEPT8

The grease cartridges for the lubricator CONCEPT8 have a grease volume of 800 cm³, *Figure 3*.



Figure 3
Grease cartridge for CONCEPT8

Type overview Standard grease cartridges 800 cm³

Grease	Ordering number	Ordering designation
Arcanol CLEAN-M	083549129-0000-10	ARCALUB-C8.LC800-CLEAN-M
Arcanol Food2	083549064-0000-10	ARCALUB-C8.LC800-FOOD2
Arcanol LOAD150	083532439-0000-10	ARCALUB-C8.LC800-LOAD150
Arcanol LOAD220	083533583-0000-10	ARCALUB-C8.LC800-LOAD220
Arcanol LOAD400	083533761-0000-10	ARCALUB-C8.LC800-LOAD400
Arcanol LOAD460	083533818-0000-10	ARCALUB-C8.LC800-LOAD460
Arcanol LOAD1000	083548343-0000-10	ARCALUB-C8.LC800-LOAD1000
Arcanol MULTI2	083532412-0000-10	ARCALUB-C8.LC800-MULTI2
Arcanol MULTI2	083548289-0000-10	ARCALUB-C8.LC800-MULTI3
Arcanol MULTITOP	082631492-0000-10	ARCALUB-C8.LC800-MULTITOP
Arcanol SEMIFLUID	095195815-0000-10	ARCALUB-C8.LC800-SEMIFLUID
Arcanol SPEED2,6	083548629-0000-10	ARCALUB-C8.LC800-SPEED2,6
Arcanol TEMP90	083533630-0000-10	ARCALUB-C8.LC800-TEMP90
Arcanol TEMP110	083548580-0000-10	ARCALUB-C8.LC800-TEMP110
Arcanol TEMP120	083548599-0000-10	ARCALUB-C8.LC800-TEMP120
Arcanol TEMP200	083548602-0000-10	ARCALUB-C8.LC800-TEMP200
Arcanol VIB3	083549099-0000-10	ARCALUB-C8.LC800-VIB3

Further information

Technical Product Information:

- TPI 168 Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F66>

Datasheet:

- FAS Arcanol Rolling Bearing Greases
<https://www.schaeffler.de/std/1F67>

Cartridges, filled with customer-specific grease

The filling of grease cartridges for lubricators CONCEPT2, CONCEPT4 and CONCEPT8 with customer-specific greases is possible by agreement. This is subject to successful compatibility testing by Schaeffler.

- Labelling:
- ① Basic label
 - ② Position for identification label
 - ③ Customer-specific logo
 - ④ Customer-specific article text

Figure 4
Customer-specific grease cartridges
(example CONCEPT2)



Order quantity

A fixed order quantity is specified according to the device-specific design of the grease cartridges.

Grease cartridges per packaging unit

Grease cartridge for	Number of grease cartridges per packaging unit
CONCEPT2	20
CONCEPT4	12
CONCEPT8	6



Cartridges

Labelling	Each grease cartridge is furnished with a basic label and, if subject to an identification requirement, with an additional identification label.
Basic label	<p>Schaeffler is responsible for the basic label. The basic label is created by Schaeffler and stuck to the cartridge.</p> <p>The basic label contains information about the lubricant, the filling quantity and the filling date. The customer has the option of providing his own logo and lubricant designation so that Schaeffler can also print this information on the basic label.</p> <p>Schaeffler is named as the filler on the basic label. The distributor is the customer who instructs Schaeffler to supply and fill the grease cartridges.</p>
Identification label	<p>The customer is responsible for the identification label. The identification label is designed and printed by the customer and made available to Schaeffler. Schaeffler sticks the identification label to the cartridge and additionally to the outer packaging of each cartridge. The customer must therefore provide duplicate copies of the identification label (2 identification labels for each ordered cartridge).</p> <p>An identification label is only required if an identification requirement exists in accordance with directive (EC) no. 1272/2008 of the European Union. This directive also contains the specific regulations governing identification.</p> <p>The maximum size of the identification label for the cartridges of lubricators CONCEPT2, CONCEPT4 and CONCEPT8 is 92 mm×134 mm. The label is usually designed as a booklet label.</p>

- Ordering procedure** The ordering of customer-specific grease cartridges is carried out in 3 phases.
- Phase 1 The customer sends the following documents to Schaeffler with the enquiry:
- technical datasheet of the grease
 - safety datasheet of the grease.
- E-mail to:
- lubrication@schaeffler.com
- Phase 2 Schaeffler checks, on the basis of the datasheets provided:
- whether the grease is suitable for use in the CONCEPT lubricators
 - whether an identification requirement exists in accordance with directive (EC) no. 1272/2008.
- If the grease is suitable for the lubricators, Schaeffler prepares a quotation. If an identification requirement exists, the quotation will contain information on the required provision of the identification label.
- Phase 3 The customer places the order and provides the grease quantity required for filling, as well as the identification labels if required. The grease must be provided in the original container (5 kg, 10 kg, 25 kg, 50 kg or 180 kg), stating the batch number and filling date. When the grease is received, Schaeffler fills the cartridges, sticks the labels to them and delivers the cartridges to the customer. Any grease quantities remaining after the order has been carried out cannot be stored by Schaeffler and will be disposed of.
- Delivery address:
- Schaeffler Technologies AG & Co. KG
Bau 50 – Monteure
Georg-Schäfer-Straße 30
97421 Schweinfurt
Germany.



Cartridges

Cartridges, unfilled

Unfilled grease cartridges can be filled by the actual customer. This permits the additional flexible use of lubricators for customer-specific lubricants.

- CONCEPT2
 ① Refillable cartridge
 ② Closing plug
 ③ Filling adapter

- CONCEPT4
 ④ Refillable cartridge
 ⑤ Closing plug
 ⑥ Filling adapter

- CONCEPT8
 ⑦ Refillable cartridge
 ⑧ Closing plug
 ⑨ Filling adapter



Figure 5
 Refillable grease cartridges

Type overview Refillable grease cartridges

Type	Ordering number	Ordering designation
Cartridge for CONCEPT2 with 250 cm ³	095028803-0000-10	ARCALUB-C2.LC250-REFILLABLE
CONCEPT4 with 400 cm ³	095058036-0000-10	ARCALUB-C4.LC400-REFILLABLE
CONCEPT8 with 800 cm ³	095028790-0000-10	ARCALUB-C8.LC800-REFILLABLE

The refillable cartridges are supplied with a closing plug. The closing plugs can be reordered.

Type overview Closing plugs

Type	Ordering number	Ordering designation
Closing plugs for CONCEPT2	095179879-0000-10	ARCALUB-C2.LC250-SEAL-CAP
CONCEPT4	095179887-0000-10	ARCALUB-C4.LC400-SEAL-CAP
CONCEPT8	095179895-0000-10	ARCALUB-C8.LC800-SEAL-CAP

10 pieces per packaging unit.

The refillable cartridges can be filled directly from a drum pump using special filling adapters. The filling adapters have an internal thread G¹/₄.

**Type overview
Filling adapters**

Type	Ordering number	Ordering designation
Filling adapter for CONCEPT2	095179909-0000-10	ARCALUB-C2.LC250-RF-ADAPTER
CONCEPT4	095180818-0000-10	ARCALUB-C4.LC400-RF-ADAPTER
CONCEPT8	095180826-0000-10	ARCALUB-C8.LC800-RF-ADAPTER

Lubricating greases

Requirements for the lubricating greases:

- maximum consistency class NLGI 2
- no solid particles (except PTFE).

The maximum lubricant line length must be determined by the actual customer. This is dependent on the selected lubricating grease and other parameters, see page 8.



If the requirements for the lubricating greases are not observed, the manufacturer's guarantees covering the refillable cartridges and the lubricators will be invalidated.

A maximum of 3 filling operations per cartridge is possible. If further filling operations are carried out, the possibility of damage to the cartridge, in the form of wear for example, cannot be ruled out.



Cartridges

Filling the cartridges We recommend using a manual drum pump to fill the cartridges, see page 122.



Destruction of the cartridge due to excess pressure when filling. When the end stop is reached, terminate the filling process immediately and do not increase the pressure further.








Risk of insufficient lubricant supply if air is still present in the cartridge. Remove any air cushions after filling by tilting the follower piston.

Filling process

Work steps	
Screw on the filling adapter	
Remove the closing plug	
Press the follower piston down	
Push the cartridge on as far as the stop and hold	

Filling process
(continued)

Work steps	
Fill with lubricant	 <p>00172169</p>
Terminate the filling process when the follower piston reaches the end stop	 <p>00172168</p>
Attach the closing plug	 <p>00172160</p>
Remove the air cushion under the follower piston	 <p>001721C2</p>
Write on the label	 <p>001721FE</p>



Voltage supply, device holders

Voltage supply Type overview Battery

Only for CONCEPT2		
		
Type	Ordering number	Ordering designation
Battery pack DC 3 V	087314762-0000-10	ARCALUB-C2.BATTERY

0018F109

Energy supply by a battery is only possible in the case of CONCEPT2.

Type overview Connection cables with plug

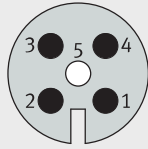
For CONCEPT2, CONCEPT4 and CONCEPT8, Cable with 4 ends (4×0,34 mm ²), PUR, outside diameter 5 mm, for available voltage supply DC 24 V, I/O communication possible			
			
Type	Designation	Ordering number	Ordering designation
A	Plug Cable: L = 10 m	075378361-0000-10	ARCALUB-X.CABLE-M12-10M
B	Plug (LED) Cable: L = 5 m	083788964-0000-10	ARCALUB-X.CABLE-M12X1-5M-LED-S
	Plug (LED) Cable: L = 10 m	083788980-0000-10	ARCALUB-X.CABLE-M12X1-10M-LED-S
C	Plug (LED) Cable: L = 5 m	075592240-0000-10	ARCALUB-X.CABLE-M12-5M-LED
	Plug (LED) Cable: L = 10 m	077879805-0000-10	ARCALUB-X.CABLE-M12-10M-LED

0018F119

LED signal indication

Signal colour of LED	Description
Green	Voltage supply DC 24 V present
White	Incoming signal; initiation of lubricant dispensing by external controller
Yellow	Outgoing signal; feedback of completed lubricant dispensing to external controller

Technical data
Plugs: Type A, B and C

Feature	Value	
Operating voltage	DC 24 V +6/−6 V	
Operating current per contact	max. 4 A	
Connection socket	For type A, B and C: <ul style="list-style-type: none"> ■ thread M12×1 ■ 4 pin ■ A coding ■ self-retaining (recommended tightening torque 0,6 Nm) For type B and C: <ul style="list-style-type: none"> ■ with integrated green, white and yellow LED 	
Pin connections 	Socket 1	Voltage supply (DC 24 V)
	Socket 2	Activation of the pump by PLC (DC 24 V)
	Socket 3	Ground (GND)
	Socket 4	Output signal (DC 24 V) Return signalling to PLC
	Socket 5	Not assigned
Protection class	IP67 (in inserted and screw-mounted state)	
Temperature range	Fixed	−30 °C up to +80 °C
	Moving	−5 °C up to +80 °C
Number of ends, end cross-section	4×0,34 mm ² (AWG 22)	
Length of free ends at connection end	20 mm	
Drag chain values	2 million	
Outside diameter	approx. 5,2 mm	
Bending radius	Fixed	10×outside diameter
	Moving	15×outside diameter
Approvals	UL/CSA	
Materials	Outer sheath	PUR/PVC, Shore hardness: 85±5
	Wire end insulation	PVC



Voltage supply, device holders

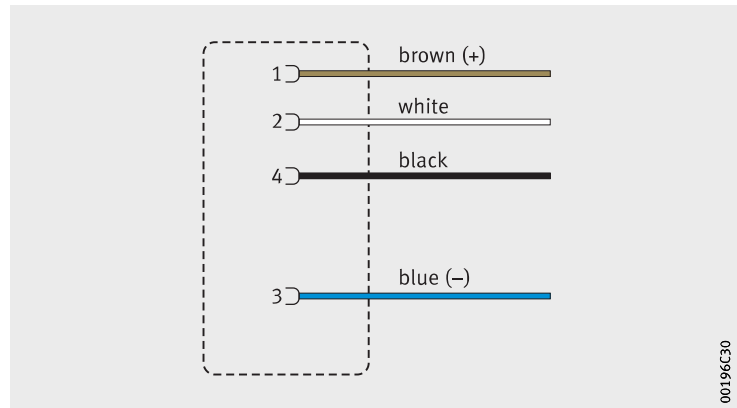


Figure 1
Connection scheme
Plug type A

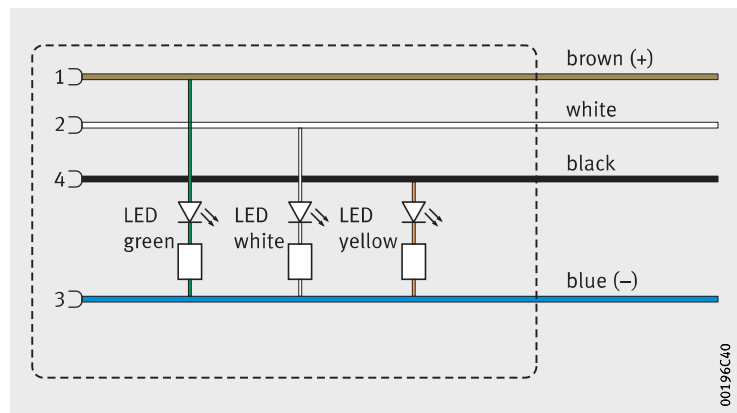


Figure 2
Connection scheme
Plug type B and C

Device holders

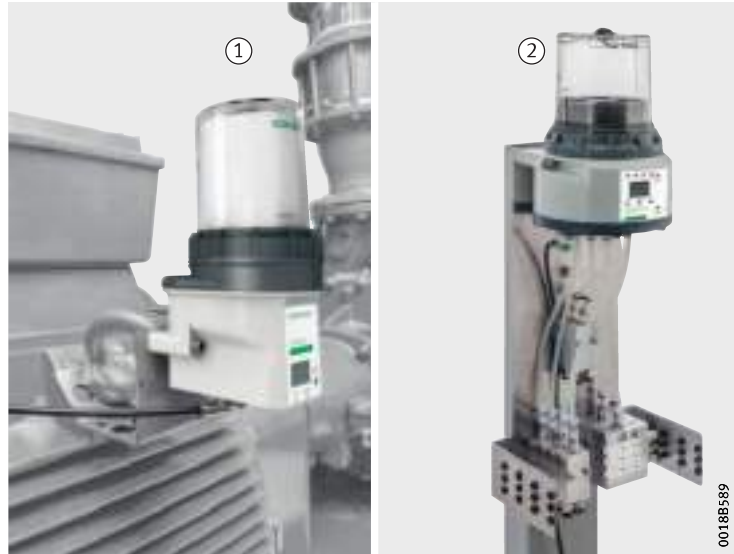
The device holders facilitate the mounting of the lubricators CONCEPT2 and CONCEPT8 directly on the equipment to be lubricated or in its vicinity.

Device holder for:
① CONCEPT2
② CONCEPT8

Figure 3
Application examples of
device holders

Scope of delivery
Device holder for CONCEPT2

Scope of delivery
Device holder for CONCEPT8



Device holder for CONCEPT2, with mounting material:

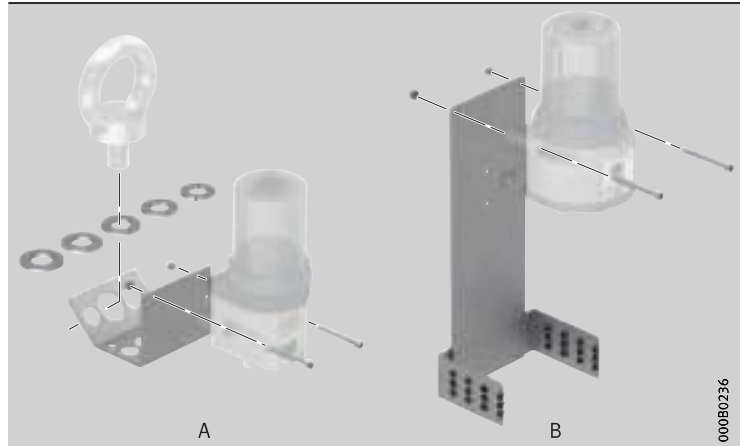
- universal locating bracket made from high grade steel
- 5 support washers in different dimensions, for locating the mounting bracket, for example by means of an eye bolt on a electric motor
- 2 socket head screws M6×50 with a retaining nut, for locating the lubricator on the universal locating bracket.

Device holder for CONCEPT8, for the additional location of splitters and progressive distributors, with mounting material:

- mounting baseplate made from high grade steel, including all holes
- 2 brackets made from high grade steel for the fixing of lubricant lines, including hose grommets
- 2 socket head screws M8×80 with a retaining nut, for locating the lubricator on the device holder.

Voltage supply, device holders

Type overview
Device holders



Type		Ordering number	Ordering designation
A	Device holder CONCEPT2	092435726-0000-10	ARCALUB-C2.HOLDER-KIT
B	for CONCEPT8	093204094-0000-10	ARCALUB-C8.HOLDER-KIT

Splitters, progressive distributors

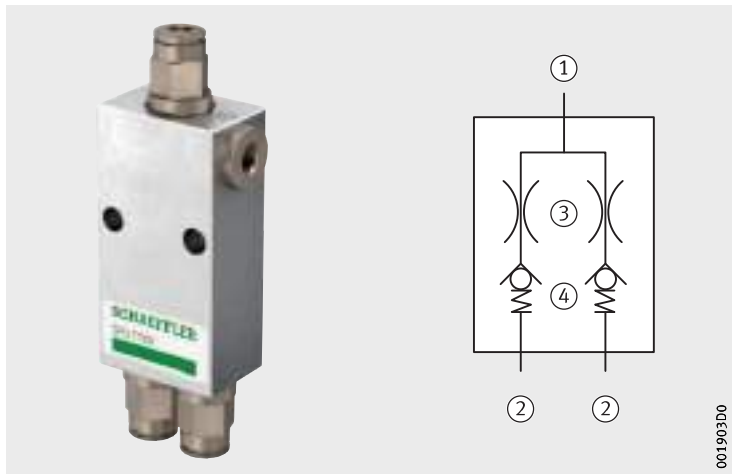
Splitters

Splitters are used to achieve the distribution in uniform volumes of a delivery volume to 2 outlets.

For this purpose, splitters are fitted with chokes that create a pressure differential of approx. 10 bar between the inlet and outlet for the lubricant. Each outlet is provided with a check valve in order to prevent overflow of the lubricant from one outlet to the other, *Figure 1*.

- ① Inlet
- ② Outlet
- ③ Chokes
- ④ Check valves

Figure 1
Splitter
with hydraulic schematic



Characteristics

- the supply of lubricant to the connected lubrication points is subject to the following:
 - identical lubricant
 - identical lubricant quantity
 - identical lubrication interval
- requirement for lubricant lines at the inlet:
 - maximum lubricant line length to pump: 300 mm
- requirements for lubricant lines at the outlet:
 - approximately equal lubricant line lengths ($\pm 10\%$ difference)
 - identical line cross-sections
- operating temperature: +10 °C to +60 °C
- lubricant:
 - oils
 - greases up to NLGI 2 (no solid content).



Cascading, in other words the combination of splitters, is not permissible.



Splitters, progressive distributors

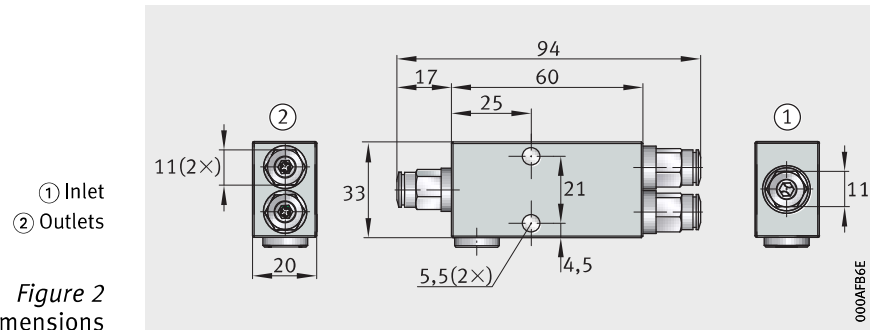


Figure 2
Dimensions

Technical data Splitters

Feature	Value
Operating pressure	required
	max.
Metering accuracy with correct operation	±10%
Material	Housing
	Hose connector parts

Type overview Splitters

Medium	Hose diameter mm	Hose insertion depth mm	Ordering number	Ordering designation
Grease	6	16	081307497-0000-10	ARCALUB-X.SPLITTER-2X-STRAIGHT-GREASE
Oil	6	16	074969218-0000-10	ARCALUB-X.SPLITTER-2X-STRAIGHT-OIL

Scope of delivery

The splitter is supplied with 3 connection fittings with a thread M10×1 for the hose connection diameter D = 6 mm. For the connection of hoses of D = 8 mm, the corresponding connection fittings must be ordered separately.

Progressive distributors

In progressive distributors, the lubricant is distributed by the follower piston control of the individual distributor discs consecutively to the lubrication points. Each of the 3 outlets is additionally provided with a check valve in order to prevent overflow of the lubricant from one outlet to another.



Figure 3
Progressive distributors

Characteristics

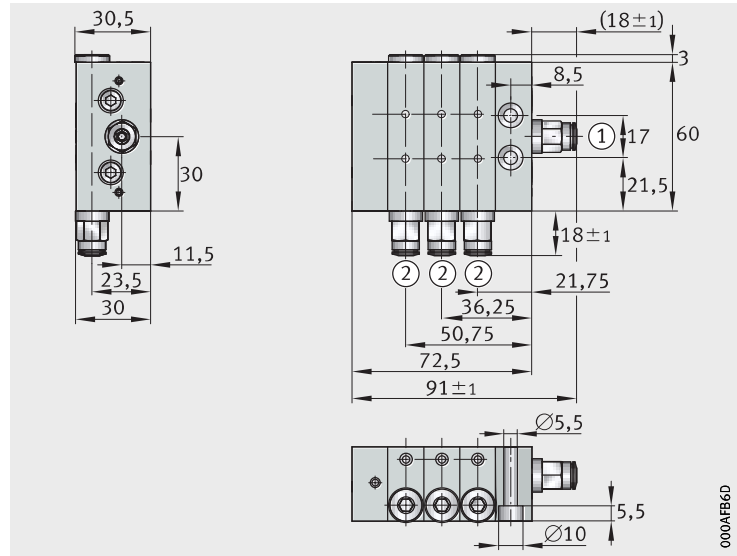
- the supply of lubricant to the connected lubrication points is subject to the following:
 - identical lubricant
 - identical lubricant quantity
 - identical lubrication interval
- requirement for lubricant lines at the inlet:
 - maximum lubricant line length to pump: 300 mm
- requirements for lubricant lines at the outlet:
 - identical line cross-sections
- operating temperature: +10 °C to +60 °C
- lubricant:
 - oils
 - greases up to NLGI 2 (no solid content).



Cascading, in other words the combination of progressive distributors, is not permissible.

The use of progressive distributors is only permissible after technical approval of the complete lubrication concept by Schaeffler.

Splitters, progressive distributors



- ① Inlet
- ② Outlet

Figure 4
Dimensions

Technical data Progressive distributors

Feature	Value
Operating pressure	required
	max.
Metering accuracy with correct operation	±10%
Material	Housing
	Hose connector parts

Type overview Progressive distributors

Type	Metering volume cm ³	Hose insertion depth mm	Ordering number	Ordering designation
TS3-25	0,025	16	093204060-0000-10	ARCALUB-X.PROGDIV-3X-RIGHT-0.05CCM

Scope of delivery

The progressive distributor is supplied with 4 connection fittings with a thread M10×1 for the hose connection diameter D = 6 mm. For the connection of hoses of D = 8 mm, the corresponding connection fittings must be ordered separately.

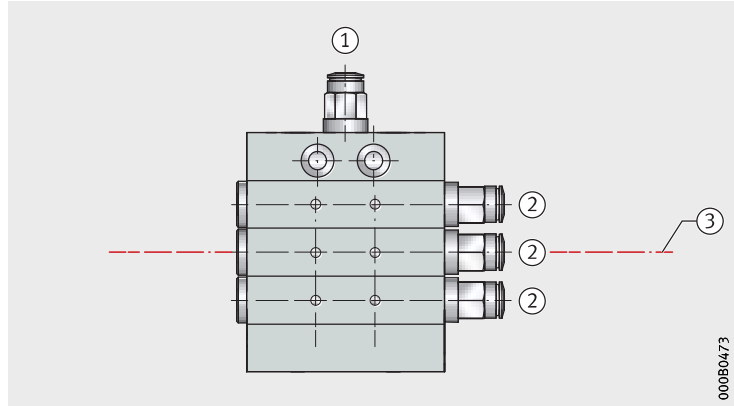
Mounting regulations

For correct function of progressive distributors, the following rules must be observed in mounting:

- The progressive distributor may only be mounted on a flat surface. Otherwise, stresses can lead to jamming of the control pistons.
- In all applications with oil lubrication, the progressive distributor must be mounted such that the control pistons are in a horizontal position, *Figure 5*. Otherwise, gap losses and the influence of gravity can lead to descent of the control pistons.

- ① Inlet
- ② Outlet
- ⑧ Horizontal position of control pistons

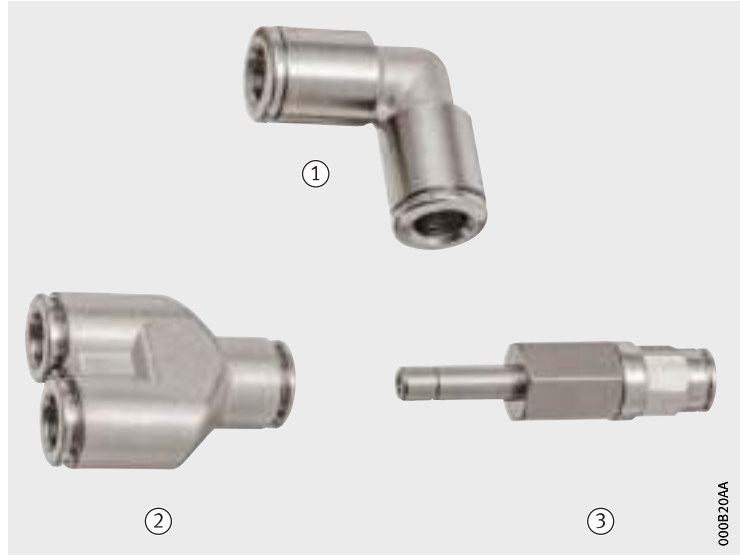
Figure 5
Alignment of the progressive distributor in mounting



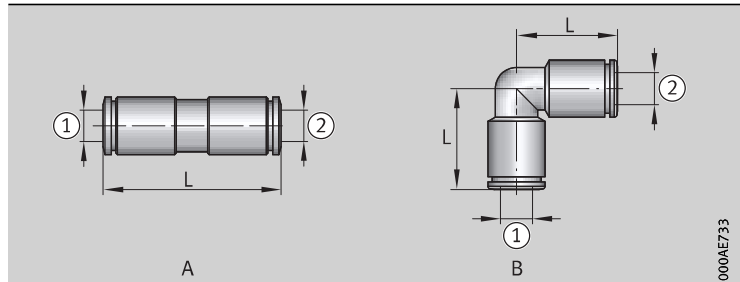
Fittings, Y pieces, check valves

- ① Hose connector
- ② Y piece
- ③ Check valve

Figure 1
Hose connector,
Y piece and check valve

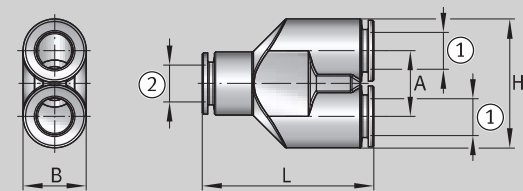


Type overview Hose connectors



Type	Hose diameter		Hose insertion depth		Length L mm	Ordering number	Ordering designation
	① mm	② mm	① mm	② mm			
A	4	4	15	15	32	095770887-0000-10	ARCALUB-X.CONNECT-4-4
	6	4	16	15	33	093040717-0000-10	ARCALUB-X.CONNECT-6-4
	6	6	16	16	34	083867112-0000-10	ARCALUB-X.CONNECT-6-6
	8	6	18	16	39,5	083867279-0000-10	ARCALUB-X.CONNECT-8-6
	8	8	18	18	38	083867309-0000-10	ARCALUB-X.CONNECT-8-8
B	4	4	15	15	18	095770895-0000-10	ARCALUB-X.CONNECT-4-4-W
	6	6	16	16	19,5	088902250-0000-10	ARCALUB-X.CONNECT-6-6-W
	8	8	18	18	25	094927723-0000-10	ARCALUB-X.TUBEFIT-CONNECT-8-8-W

Type overview
Y pieces



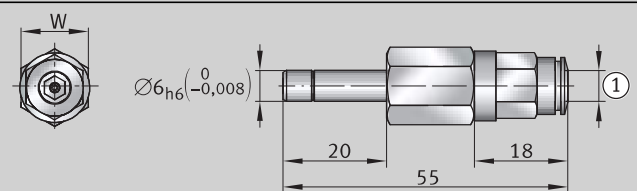
Hose diameter		Hose insertion depth		Dimensions				Ordering number	Ordering designation
① mm	② mm	① mm	② mm	L mm	A mm	H mm	B mm		
6	6	16	16	35	12,5	24,5	12	076693180-0000-10	ARCALUB-X.TUBEFIT-Y-D6
8	8	18	18	38	14,5	28,5	14	083654640-0000-10	ARCALUB-X.TUBEFIT-Y-D8

000AE734



Type overview
Check valve

Only suitable for oil



Hose diameter	Hose insertion depth	Width across flats	Ordering number	Ordering designation
① mm	① mm	W mm		
6	16	13	092927122-0000-10	ARCALUB-X.OIL-VALVE-SAT106G

000AE736



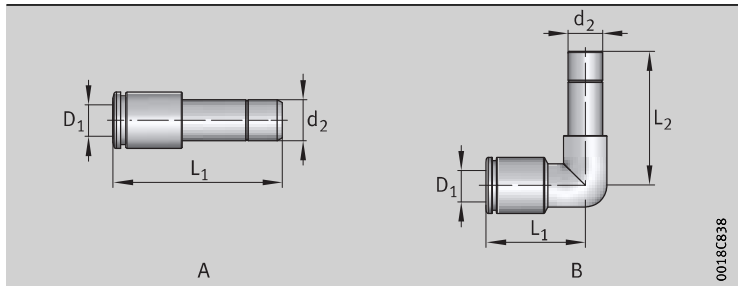
Fittings, Y pieces, check valves

- ① Straight
- ② Angled

Figure 2
Connection adapters

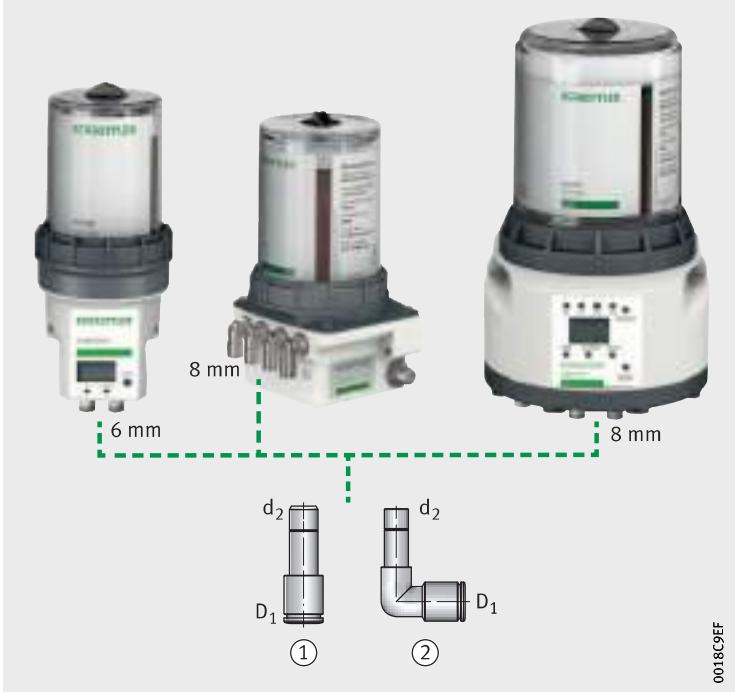


Type overview Connection adapters



Type	Diameter		Hose insertion depth (D ₁) mm	Length		Ordering number	Ordering designation
	D ₁ mm	d ₂ mm		L ₁ mm	L ₂ mm		
A	6	8	16	34	–	094487979-0000-10	ARCALUB-X.TUBEFIT-SAT8A6I
	4	8	15	32	–	095777970-0000-10	ARCALUB-X.TUBEFIT-SAT-8A-4I
	4	6	15	31	–	095777962-0000-10	ARCALUB-X.TUBEFIT-SAT-6A-4I
B	6	6	16	20	27	095058150-0000-10	ARCALUB-X.TUBEFIT-SAT-6A-6I-W
	8	8	18	25	31	095058168-0000-10	ARCALUB-X.TUBEFIT-SAT-8A-8I-W

The outside diameter d_2 of the connection adapter is inserted into the outlet of the lubricator up to the end stop.
The lubricant line is inserted into the inside diameter D_1 of the connection adapter.



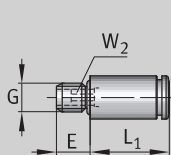
- ① Type A (straight)
- ② Type B (angled)

Figure 3
Using the connection adapters

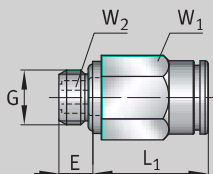
Fittings, Y pieces, check valves

Type overview
Hose connector parts
Type A, B, C

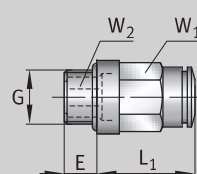
Hose, push fit			
A B C			
000B12C6			
Thread	Hose diameter	Ordering number	Ordering designation
G	mm		
M3×0,8	4	093041390-0000-10	ARCALUB-X.TUBEFIT-M3-SAT034G-S
M6×1		095777636-0000-10	ARCALUB-X.TUBEFIT-M6-SAT064G
M10×1 (tapered)		095777911-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT104G
M5×0,8	6	077937490-0000-10	ARCALUB-X.TUBEFIT-M5-SAT056G
M6×1		075527472-0000-10	ARCALUB-X.TUBEFIT-M6-SAT066G
M8×1		079567428-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT086G
M10×1		075527626-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT106G
G ¹ / ₈		084465905-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT186G
G ¹ / ₄		079567606-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT146G
M8×1		8	083654216-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088G
M10×1	083654356-0000-10		ARCALUB-X.TUBEFIT-M10X1-SAT108G
G ¹ / ₈	083654534-0000-10		ARCALUB-X.TUBEFIT-G1/8-SAT188G
G ¹ / ₄	083654607-0000-10		ARCALUB-X.TUBEFIT-G1/4-SAT148G



A



B



C

000AE738

Type	Seal	Width across flats W ₁ mm	Hexagon socket nominal dimension W ₂ mm	Length		Thread length E mm	Hose insertion depth mm
				L ₁ mm	L ₂ mm		
A	Flat sealing over O ring	–	1,5	16,5	–	5	15
A	Flat sealing over O ring	–	2,5	16,5	–	7	15
B	Metallic sealing over thread	–	2,5	14,5	–	8	14
A	Flat sealing over O ring	–	2,5	18,5	–	4	16
A	Flat sealing over O ring	–	2,5	18,5	–	4	16
B	Metallic sealing over thread	11	4	25,5	–	4	16
B	Metallic sealing over thread	11	4	25,5	–	8	16
C	Flat sealing over O ring	11	4	18	–	5,5	16
C	Flat sealing over O ring	11	4	15,5	–	7	16
B	Flat sealing over O ring	11	4	20,5	–	7	18
B	Flat sealing over O ring	13	5	20,5	–	6	18
B	Flat sealing over O ring	13	5	20,5	–	6	18
C	Flat sealing over O ring	13	6	16,5	–	7	18

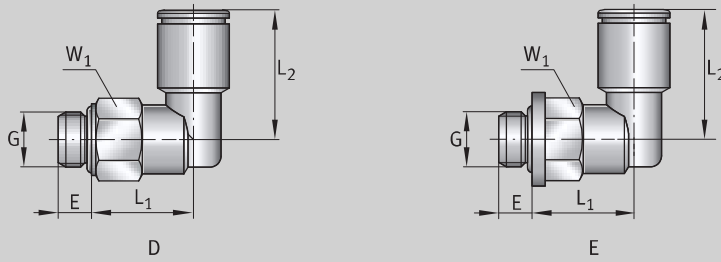


Fittings, Y pieces, check valves

Type overview
Hose connector parts
Type D, E

Hose, push fit			
		D	E
Thread	Hose diameter	Ordering number	Ordering designation
G	mm		
M6×1	4	095777644-0000-10	ARCALUB-X.TUBEFIT-M6-SAT064W
M10×1	4	095777954-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT104W
M5×0,8	6	079567401-0000-10	ARCALUB-X.TUBEFIT-M5-SAT056W
M6×1	6	075676621-0000-10	ARCALUB-X.TUBEFIT-M6-SAT066W
M8×1	6	079567584-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT086W
M10×1	6	076968553-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT106W
G1/8	6	084465964-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT186W
G1/4	6	079567622-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT146W
M8×1	8	083654275-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088W
M10×1	8	083654402-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT108W
G1/8	8	083654577-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT188W
G1/4	8	083654623-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT148W

000B12C7



000AE73A

Type	Seal	Width across flats W ₁ mm	Hexagon socket nominal dimension W ₂ mm	Length		Thread length E mm	Hose insertion depth mm
				L ₁ mm	L ₂ mm		
D	Flat sealing over O ring	9	–	11	18	5	12
D	Flat sealing over O ring	13	–	18,5	20	6	12
D	Flat sealing over O ring	9	–	11	20,5	4	15
D	Flat sealing over O ring	9	–	10,5	21,5	5	16
D	Metallic sealing over thread	9	–	11	21	7	16
D	Flat sealing over O ring	13	–	14	22	6	16
D	Flat sealing over O ring	13	–	14	21	5,5	16
E	Flat sealing over O ring	13	–	16	21	6,5	16
D	Flat sealing over O ring	13	–	14,5	23,5	6	18
D	Flat sealing over O ring	13	–	18,5	23,5	6	18
D	Flat sealing over O ring	13	–	14,5	23,5	5,5	18
E	Flat sealing over O ring	13	–	16,5	23,5	8	18



Hoses, hose cutters

Hoses



Figure 1
Hoses
for oil and grease lubrication

Dimensions and materials

Operating temperature = -20 °C to +80 °C
Compressive strength with linear temperature dependence between +20 °C (90 bar) and +80 °C (35 bar)

Diameter D1×D2 mm	Minimum bending radius R _{min} mm	Material
4×2,5	40	PA12
6×3	40	PA12
6×4	35	PA12
8×5	45	PA6.6

Type overview Hoses for grease lubrication

Suitable for drag chain use, unfilled, black

Cross-section mm	Length L m	Ordering number	Ordering designation
4×2,5	5	093041241-0000-10	ARCALUB-X.HOSE-4X2,5-PA12-5M
	10	093041195-0000-10	ARCALUB-X.HOSE-4X2,5-PA12-10M
	50	095775854-0000-10	ARCALUB-X.HOSE-4X2,5-PA12-50M
6×4	5	076691217-0000-10	ARCALUB-X.HOSE-PA12-5M
	10	076691497-0000-10	ARCALUB-X.HOSE-PA12-10M
	50	085842109-0000-10	ARCALUB-X.HOSE-PA12-50M
8×5	5	083788573-0000-10	ARCALUB-X.HOSE-PA66-5M
	10	083788581-0000-10	ARCALUB-X.HOSE-PA66-10M
	50	083788603-0000-10	ARCALUB-X.HOSE-PA66-50M

Note Prefilling of the hoses by means of a lever grease gun, see page 118, is recommended. The use of standard grease containers, see table, page 120, gives savings in time and cost compared to filling with the lubricators CONCEPT2 and CONCEPT8.

Type overview
Hoses for oil lubrication

Suitable for drag chain use, unfilled, transparent			
Cross-section mm	Length L m	Ordering number	Ordering designation
6×3	5	075526336-0000-10	ARCALUB-X.HOSE-PA12-CLEAR-5M
	10	083788441-0000-10	ARCALUB-X.HOSE-PA12-CLEAR-10M
	25	075527251-0000-10	ARCALUB-X.HOSE-PA12-CLEAR-25M
	1 000	092515851-0000-10	ARCALUB-X.HOSE-PA12-CLEAR-1000M

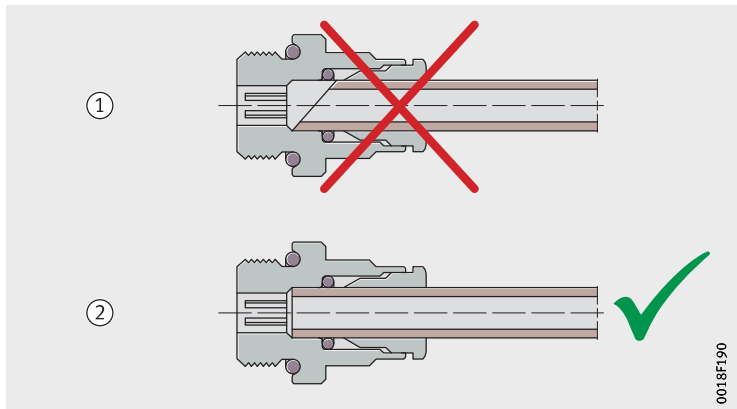
Hose cutters

The use of a special hose cutter ensures secure and pressure-tight connection of the lubricant line, *Figure 2*.

Type overview
Hose cutter



Type	Ordering number	Ordering designation
Hose cutter	083788620-0000-10	ARCALUB-X.HOSE-CUTTOOL



- ① Without hose cutter
- ② With hose cutter

Figure 2
 Secure connection
 by means of hose cutter

Demo case, kits

Demo case The demo cases are particularly suitable for the External Sales function. Each case contains the essential components of a lubrication system. It can be used to explain the design and function of a lubrication system to the customer and to give an impression of the high quality design of all components.



Demo case for:
① CONCEPT2
② CONCEPT8

Figure 1
Demo case

Scope of delivery
Demo case CONCEPT2

- lubricator CONCEPT2-2P-24VDC (angled connector)
- sample lubricant cartridge for grease lubrication
- lubrication gear
- chain lubrication pinion
- mains power pack
- retaining bracket, including support washers
- box of hose connector parts for lubricant line of diameter = 6 mm
- USB card containing installation and user manual.

Scope of delivery
Demo case CONCEPT8

- lubricator CONCEPT8-4P
- sample lubricant cartridge for grease lubrication
- lubrication gear
- chain lubrication pinion
- mains power pack
- retaining bracket, including support washers
- box of hose connector parts for lubricant line of diameter = 8 mm
- USB card containing installation and user manual.



**Type overview
Demo case**

Type	Ordering number	Ordering designation
Demo case for CONCEPT2	089395433-0000-10	DEMO-ARCALUB-C2-SET
CONCEPT8	084224878-0000-10	DEMO-ARCALUB-C8-SET



Demo case, kits

Complete packages for electric motors

The complete package EKIT allows the rapid refitting of electric motors to the lubricator CONCEPT2. In addition to the lubricator, it contains all the accessories required for mounting and installation. It thus facilitates simple conversion to fully automatic relubrication.



Figure 2
Mounting example
CONCEPT2 EKIT

The voltage supply for lubricator CONCEPT2 is either provided by battery or externally (DC 24 V, with mains connection cable).

Scope of delivery

The complete package EKIT comprises:

- lubricator CONCEPT2 (angled connector)
- battery (for CONCEPT2 with battery operation)
- mains connection cable, straight plug, no LED, cable length 10 m (for CONCEPT2 with mains connection)
- hose of outside diameter = 6 mm, length = 3 m
- device holder ARCALUB-C2.HOLDER-KIT, see page 73.
The universal locating bracket, when fixed by means of the eye bolt on an electric motor, can be mounted in a 45° or 90° position
- hose connector parts of angled design, for interchange with existing lubrication nipples:
 - 2 pieces with thread M10×1
 - 2 pieces with thread M8×1
 - 2 pieces with thread G¹/₈.

Type overview Complete packages

Type	Ordering number	Ordering designation
CONCEPT2 EKIT (battery)	092662269-0000-10	ARCALUB-C2-2P-EKIT
CONCEPT2 EKIT (mains DC 24 V)	092662277-0000-10	ARCALUB-C2-2P-24VDC-EKIT

Note Grease cartridges must be ordered separately, see page 60.

Seal kit for CONCEPT8

The seal kit includes:

- axial housing seal
- grub screw M3×4
- O ring 37,5×3 as inlay seal (FKM).

The seal kit is solely intended for replacing the seals in the automatic lubricators CONCEPT8, *Figure 3*.

- ① Axial housing seal
- ② Grub screw M3×4
- ③ O ring 37,5 × 3

Figure 3
Installation position of
the components of the seal kit for
CONCEPT8



Type overview Seal kit for CONCEPT8

Type	Ordering number	Ordering designation
Seal kit for CONCEPT8	094977291-0000-10	ARCALUB-C8.SEAL-KIT

Demo case, kits

Cover kits

Each cover kit includes:

- upper housing section
- collar ring
- action pin
- O ring
- spring
- pressure plate (for CONCEPT4 only).



Figure 4
Cover kit

Type overview Cover kits

Type	Ordering number	Ordering designation
Cover kit for CONCEPT2	092860915-0000-10	ARCALUB-C2.COVER-KIT
CONCEPT4	095111930-0000-10	ARCALUB-C4.COVER-KIT
CONCEPT8	095111948-0000-10	ARCALUB-C8.COVER-KIT



Accessories for lubricant application

Lubrication gears
Chain lubrication pinions
Lubrication rollers



Accessories for lubricant application

Lubrication gears **98**

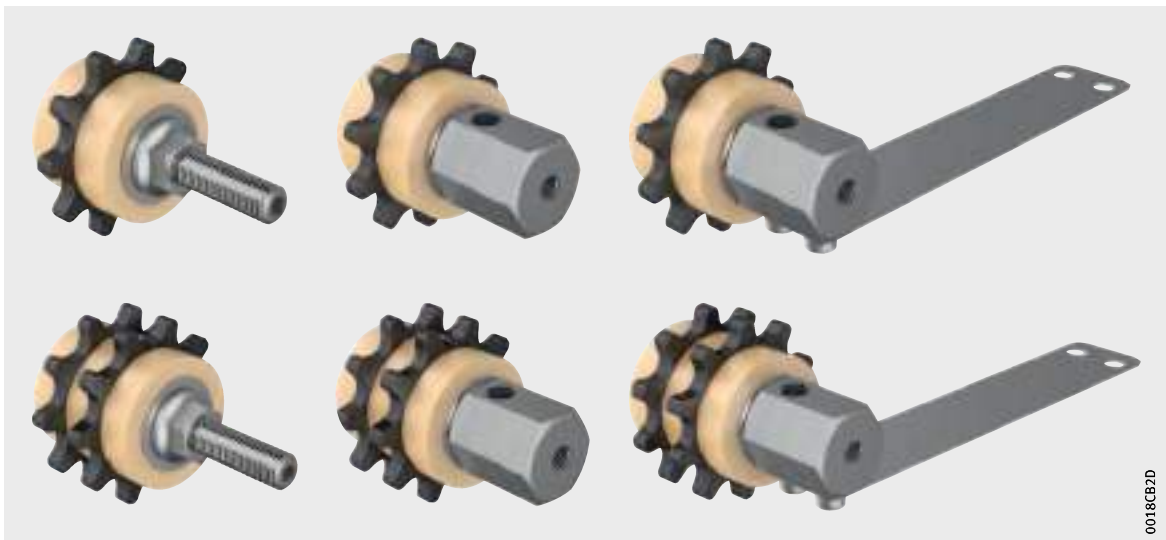
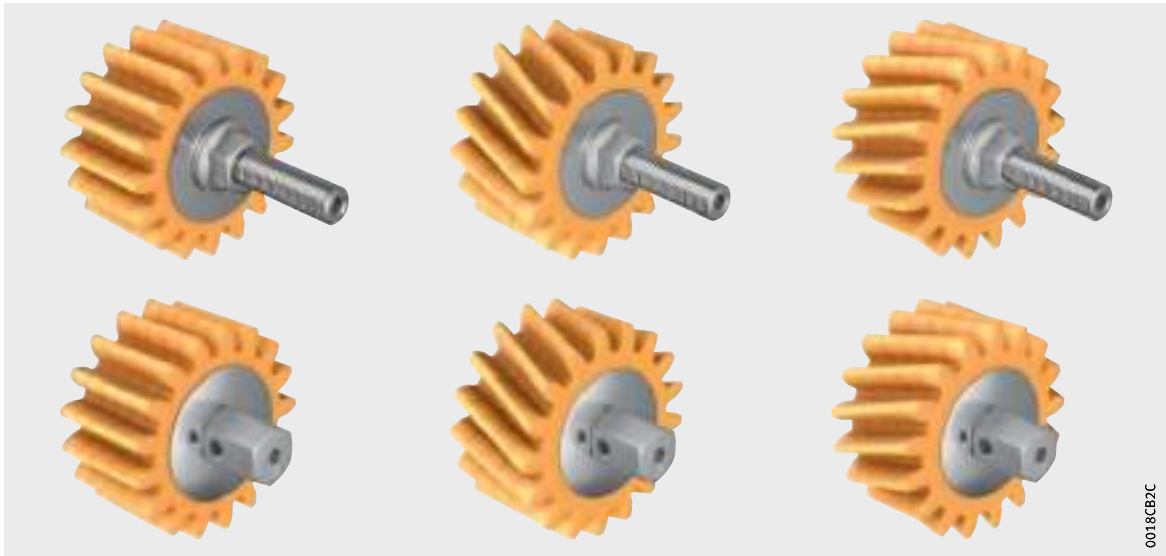
When lubricating gear wheels, lubrication gears ensure precise and economical metering of lubricant (oils, greases up to NLGI 2).

Chain lubrication pinions **106**

When lubricating chains, chain lubrication pinions ensure precise and economical metering of chain oil.

Lubrication rollers **112**

When lubricating raceways, for example on roller chains, lubrication rollers ensure precise and economical metering of lubricant.



Lubrication gears

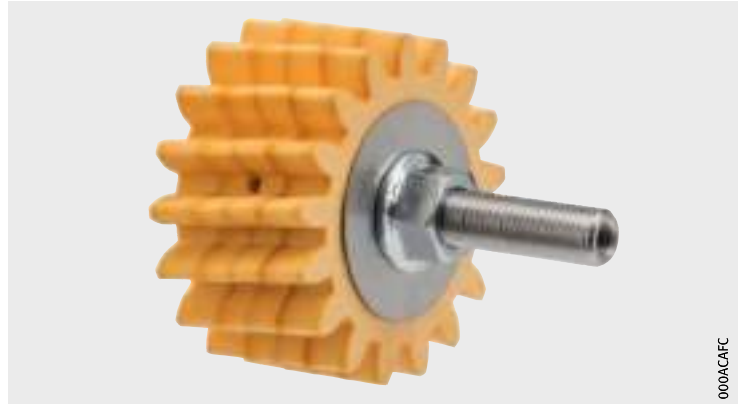


Figure 1
Lubrication gear,
helical teeth with lubrication hole

Lubrication gears are used for the automatic and continuous relubrication of tooth sets.

The lubrication gear is brought into contact with the tooth set to be lubricated, normally a drive pinion or toothed rack. It transfers the lubricant to the tooth set in contact. There is no transmission of force or torque.

The use of open cell PU foam as a material for lubrication gears ensures optimum supply of lubricant to the tooth set for very long periods. The material used stores the lubricant and dispenses it again in very small metering quantities. This prevents both over-lubrication and lubricant starvation.

- Characteristics
- lubrication gear made from open cell PU foam
 - operating temperature: -30 °C to $+140\text{ °C}$
 - maximum permissible circumferential speed at the outside diameter of the lubrication gear: 5 m/s
 - segmented construction
 - little installation work required
 - lubricant:
 - oils up to $30\,000\text{ mm}^2/\text{s}$ ($+40\text{ °C}$)
 - greases up to NLGI 3 (no solid content).

Note! In selection, it must be decided on the basis of design perspectives whether the lubrication gear is to be arranged on the tooth set of a toothed rack or of a drive pinion.

It should preferably be mounted on a drive pinion, since lubricant distribution is better in this case than with mounting on a toothed rack.

The lubrication gears must be prefilled with suitable lubricant before initial operation.

Note! At very high circumferential velocities of $> 2\text{ m/s}$, we recommend that the customer fits a cover to give protection against grease thrown off by centrifugal force.

- Straight teeth with:
 - ① Axial lubricant feed
 - ② Radial lubricant feed
- Right hand helical teeth with:
 - ③ Axial lubricant feed
 - ④ Radial lubricant feed
- Left hand helical teeth with:
 - ⑤ Axial lubricant feed
 - ⑥ Radial lubricant feed
- ⑦ Connector for lubricant feed

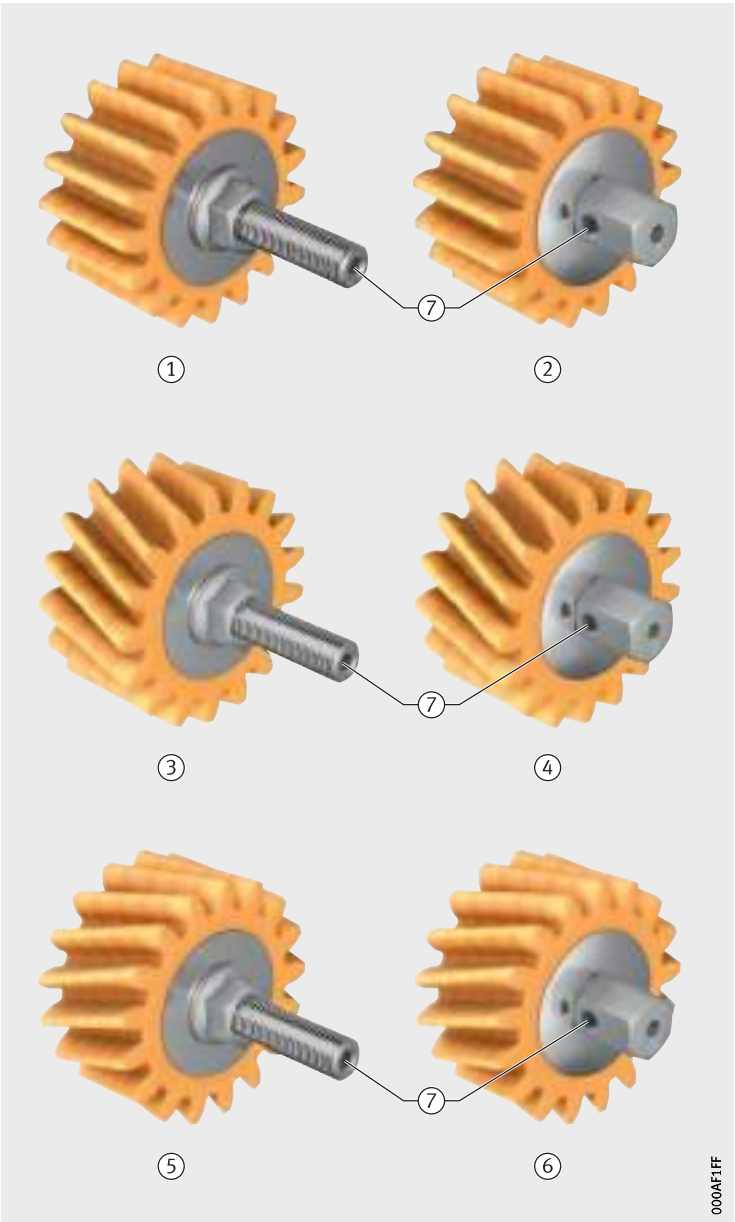


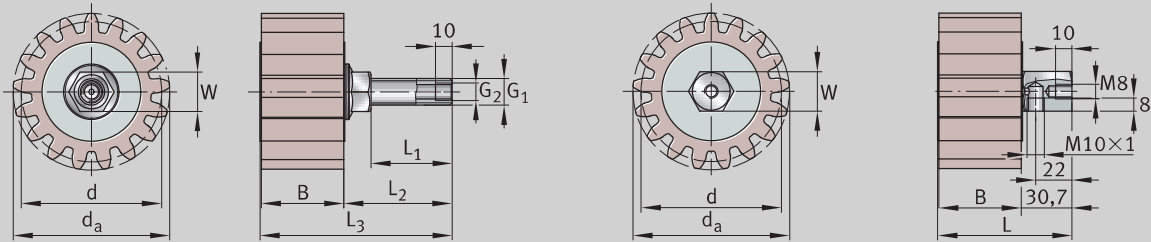
Figure 2
 Designs of lubrication gears

In all versions, integrated grooves ensure that the lubricant is transported from the hollow axle to the gear tooth surface.

Lubrication gears

Type overview Lubrication gears, straight teeth

Lubricant feed, axial		Lubricant feed, radial
		
A		B
000B275F		
Type	Ordering number	Ordering designation
A	093283016-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-G-G
	093283032-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-G-G
	093283059-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-G-G
	093283075-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-G-G
	093283091-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-G-G
	093283113-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-G-G
	093283130-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-G-G
	093283156-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-G-G
B	093283024-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-G-W
	093283040-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-G-W
	093283067-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-G-W
	093283083-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-G-W
	093283105-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-G-W
	093283121-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-G-W
	093283148-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-G-W
	093283164-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-G-W



A

B

000B2768

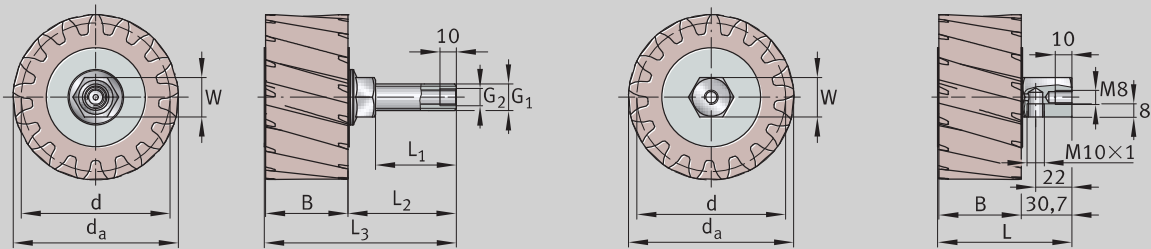
Modulus mm	Teeth Quantity	Pitch circle diameter d mm	Dimensions						Thread		Width across flats W mm	Helix angle °
			da mm	B mm	L mm	L ₁ mm	L ₂ mm	L ₃ mm	G ₁	G ₂		
1,5	24	36	39	15	–	34	44,7	60,4	M10	M6	15	0
2	17	34	38	20	–	32	42,5	63,2	M10	M6	15	0
3	17	51	57	30	–	30	40,5	71,2	M10	M6	15	0
4	17	68	76	40	–	30	40,5	81,2	M10	M6	15	0
5	17	85	95	50	–	49	65,7	116,4	M16	M10×1	24	0
6	17	102	114	60	–	49	75,7	126,4	M16	M10×1	24	0
8	17	136	152	80	–	49	95,7	146,4	M16	M10×1	24	0
10	17	170	190	100	–	49	115,7	166,4	M16	M10×1	24	0
1,5	24	36	39	15	46,4	–	–	–	–	–	–	0
2	17	34	38	20	51,4	–	–	–	–	–	–	0
3	17	51	57	30	61,4	–	–	–	–	–	–	0
4	17	68	76	40	71,4	–	–	–	–	–	–	0
5	17	85	95	50	81,4	–	–	–	–	–	–	0
6	17	102	114	60	91,4	–	–	–	–	–	–	0
8	17	136	152	80	111	–	–	–	–	–	–	0
10	17	170	190	100	131	–	–	–	–	–	–	0



Lubrication gears

Type overview Lubrication gears, right hand helical teeth

Lubricant feed, axial		Lubricant feed, radial
		
A		B
000B2771		
Type	Ordering number	Ordering designation
A	093283172-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-SR-G
	093283199-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-SR-G
	093283210-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-SR-G
	093283237-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-SR-G
	093283253-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-SR-G
	093283270-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-SR-G
	093283296-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-SR-G
	093283318-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-SR-G
B	093283180-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-SR-W
	093283202-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-SR-W
	093283229-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-SR-W
	093283245-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-SR-W
	093283261-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-SR-W
	093283288-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-SR-W
	093283300-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-SR-W
	093283326-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-SR-W



A

B

000B277A

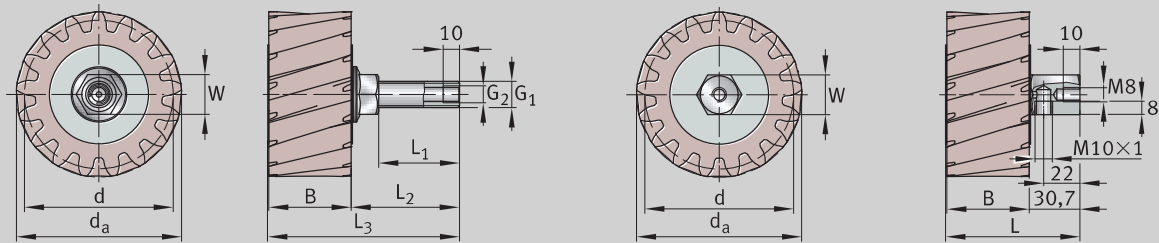
Modulus mm	Teeth Quantity	Pitch circle diameter d mm	Dimensions						Thread		Width across flats W mm	Helix angle °
			d _a mm	B mm	L mm	L ₁ mm	L ₂ mm	L ₃ mm	G ₁	G ₂		
1,5	24	38,2	41,2	15	–	34	44,7	60,4	M10	M6	15	19,53
2	17	36,08	40,1	20	–	32	42,5	63,2	M10	M6	15	19,53
3	17	54,11	60,1	30	–	30	40,5	71,2	M10	M6	15	19,53
4	17	72,15	80,2	40	–	30	40,5	81,2	M10	M6	15	19,53
5	17	90,19	100,2	50	–	49	65,7	116,4	M16	M10×1	24	19,53
6	17	108,23	120,2	60	–	49	75,7	126,4	M16	M10×1	24	19,53
8	17	144,3	160,3	80	–	49	95,7	146,4	M16	M10×1	24	19,53
10	17	180,38	200,4	100	–	49	115,7	166,4	M16	M10×1	24	19,53
1,5	24	38,2	41,2	15	46,4	–	–	–	–	–	–	19,53
2	17	36,08	40,1	20	51,4	–	–	–	–	–	–	19,53
3	17	54,11	60,1	30	61,4	–	–	–	–	–	–	19,53
4	17	72,15	80,2	40	71,4	–	–	–	–	–	–	19,53
5	17	90,19	100,2	50	81,4	–	–	–	–	–	–	19,53
6	17	108,23	120,2	60	91,4	–	–	–	–	–	–	19,53
8	17	144,3	160,3	80	111	–	–	–	–	–	–	19,53
10	17	180,38	200,4	100	131	–	–	–	–	–	–	19,53



Lubrication gears

Type overview Lubrication gears, left hand helical teeth

		Lubricant feed, axial	Lubricant feed, radial
			
		A	B
		000E2783	
Type	Ordering number	Ordering designation	
A	093283334-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-SL-G	
	093283350-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-SL-G	
	093283377-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-SL-G	
	093283393-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-SL-G	
	093283415-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-SL-G	
	093283431-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-SL-G	
	093283458-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-SL-G	
	093283474-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-SL-G	
B	093283342-0000-10	ARCALUB-X.PINION-MD1,5-Z24-B15-SL-W	
	093283369-0000-10	ARCALUB-X.PINION-MD2,0-Z17-B20-SL-W	
	093283385-0000-10	ARCALUB-X.PINION-MD3,0-Z17-B30-SL-W	
	093283407-0000-10	ARCALUB-X.PINION-MD4,0-Z17-B40-SL-W	
	093283423-0000-10	ARCALUB-X.PINION-MD5,0-Z17-B50-SL-W	
	093283440-0000-10	ARCALUB-X.PINION-MD6,0-Z17-B60-SL-W	
	093283466-0000-10	ARCALUB-X.PINION-MD8,0-Z17-B80-SL-W	
	093283482-0000-10	ARCALUB-X.PINION-MD10,0-Z17-B100-SL-W	



A

B

000B278C

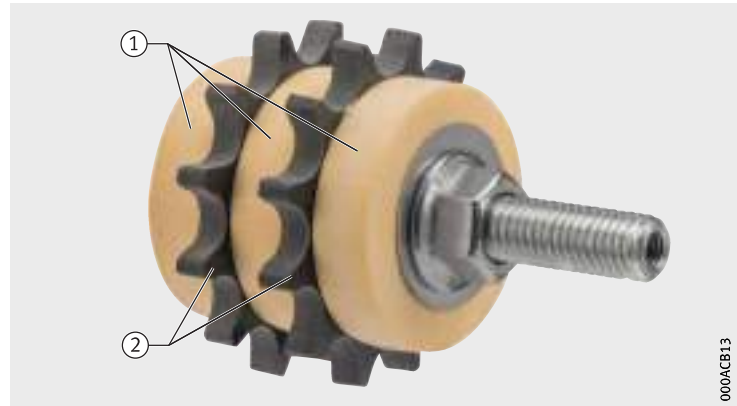
Modulus mm	Teeth Quantity	Pitch circle diameter d mm	Dimensions						Thread		Width across flats W mm	Helix angle °
			d _a mm	B mm	L mm	L ₁ mm	L ₂ mm	L ₃ mm	G ₁	G ₂		
1,5	24	38,2	41,2	15	–	34	44,7	60,4	M10	M6	15	19,53
2	17	36,08	40,1	20	–	32	42,5	63,2	M10	M6	15	19,53
3	17	54,11	60,1	30	–	30	40,5	71,2	M10	M6	15	19,53
4	17	72,15	80,2	40	–	30	40,5	81,2	M10	M6	15	19,53
5	17	90,19	100,2	50	–	49	65,7	116,4	M16	M10×1	24	19,53
6	17	108,23	120,2	60	–	49	75,7	126,4	M16	M10×1	24	19,53
8	17	144,3	160,3	80	–	49	95,7	146,4	M16	M10×1	24	19,53
10	17	180,38	200,4	100	–	49	115,7	166,4	M16	M10×1	24	19,53
1,5	24	38,2	41,2	15	46,4	–	–	–	–	–	–	19,53
2	17	36,08	40,1	20	51,4	–	–	–	–	–	–	19,53
3	17	54,11	60,1	30	61,4	–	–	–	–	–	–	19,53
4	17	72,15	80,2	40	71,4	–	–	–	–	–	–	19,53
5	17	90,19	100,2	50	81,4	–	–	–	–	–	–	19,53
6	17	108,23	120,2	60	91,4	–	–	–	–	–	–	19,53
8	17	144,3	160,3	80	111	–	–	–	–	–	–	19,53
10	17	180,38	200,4	100	131	–	–	–	–	–	–	19,53



Chain lubrication pinions

- ① Rollers made from PU foam
- ② Chain pinion

Figure 1
Chain lubrication pinion
in duplex design



Chain lubrication pinions are used to supply chains with chain oil according to requirements and fully automatically.

The rollers are made from open cell PU foam and transfer very small quantities of oil to the highest points on the chain links. From there, the oil reaches the spaces between the links and thus the decisive lubrication points between the pins and sleeves. There is no coating of other surfaces of the chain with oil, which is unnecessary and even damaging.

The chain pinions, made from a special plastic, transmit the force necessary to drive the rollers. Despite the non-uniform surface of the chain links, very quiet running of the chain lubrication pinion can be achieved even at very high speeds.

The contact force of the PU rollers responsible for lubricant transfer to the chain is automatically adjusted to the optimum value since the chain rollers are always at the base of the pinion. This prevents wear of the PU rollers. There is no slippage between the PU rollers and the chain surface.

Characteristics

- chain pinion made from plastic
- lubricant application by means of rollers made from open cell PU foam
- operating temperature: 0 °C to +60 °C
- maximum permissible circumferential speed at the outside diameter of the chain pinion: 7 m/s
- lubricant: oil.

Note!

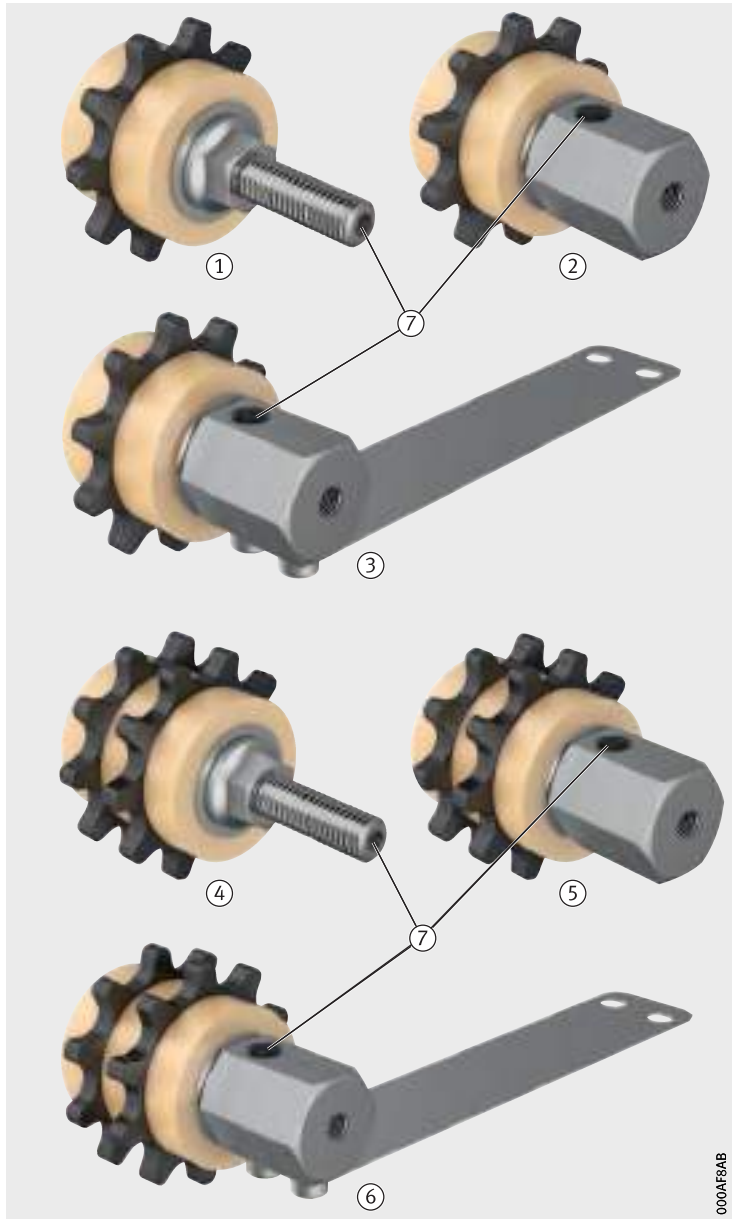
At very high chain speeds of approx. 2,5 m/s or more, we recommend that the customer fits a cover to give protection against oil flown off by centrifugal force.

- Simplex design with:
- ① Axial lubricant feed
 - ② Radial lubricant feed
 - ③ Radial lubricant feed and spring plate

- Duplex design with:
- ④ Axial lubricant feed
 - ⑤ Radial lubricant feed
 - ⑥ Radial lubricant feed and spring plate

⑦ Connector for lubricant feed

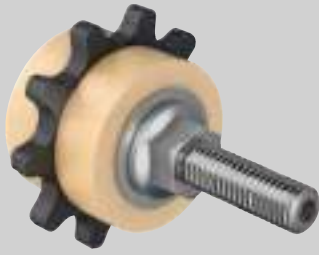


Figure 2
 Designs
 of chain lubrication pinions



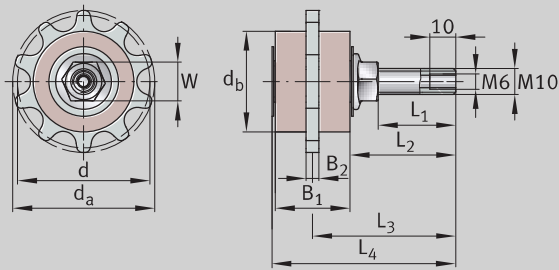
0004F8AB

Chain lubrication pinions

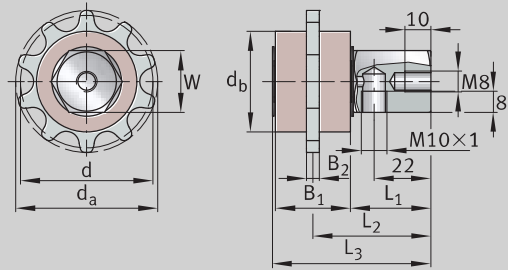
Type overview Chain lubrication pinions in simplex design

Lubricant feed, axial		Lubricant feed, radial
 <p>A</p>		 <p>B</p>
000B2795		
Lubricant feed, radial, with spring plate		
 <p>C</p>		
000AF830		
Type	Ordering number	Ordering designation
A	093283490-0000-10	ARCALUB-X.CHAIN-PINION-08AB1-Z12-G
	093283547-0000-10	ARCALUB-X.CHAIN-PINION-10AB1-Z10-G
	093283601-0000-10	ARCALUB-X.CHAIN-PINION-12B1-Z8-G
	093283652-0000-10	ARCALUB-X.CHAIN-PINION-16B1-Z8-G
B	093283504-0000-10	ARCALUB-X.CHAIN-PINION-08AB1-Z12-W
	093283555-0000-10	ARCALUB-X.CHAIN-PINION-10AB1-Z10-W
	093283610-0000-10	ARCALUB-X.CHAIN-PINION-12B1-Z8-W
	093283660-0000-10	ARCALUB-X.CHAIN-PINION-16B1-Z8-W
C	093283512-0000-10	ARCALUB-X.CHAIN-PINION-08AB1-Z12-WF
	093283563-0000-10	ARCALUB-X.CHAIN-PINION-10AB1-Z10-WF
	093283679-0000-10	ARCALUB-X.CHAIN-PINION-16B1-Z8-WF

- ¹⁾ A DIN 8188
(American design, ANSI: American National Standards Institute)
B DIN 8187
(European design, British Standard)

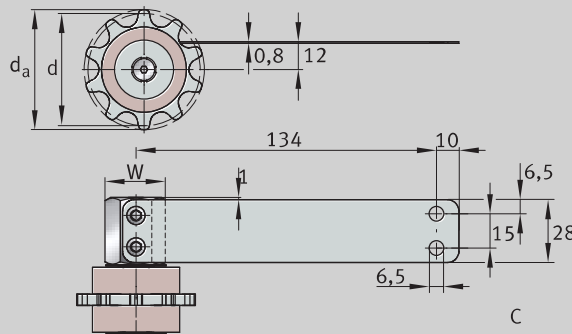


A



B

000B279E



C

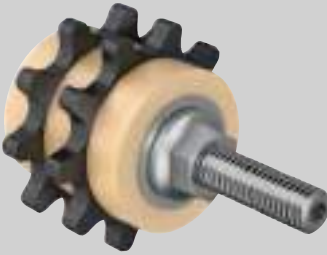


000EAAA

Chain type according to ISO 606 ¹⁾	Teeth Quantity	Pitch circle diameter d mm	Dimensions								Width across flats W mm
			da mm	db mm	B ₁ mm	B ₂ mm	L ₁ mm	L ₂ mm	L ₃ mm	L ₄ mm	
08 A/B-1	12	49,07	53	39	29	5	30	41	55,5	71,2	15
10 A/B-1	10	51,37	55	39	29	5	30	41	55,5	71,2	15
12 B-1	8	49,78	55	36	29	5	30	41	55,5	71,2	15
16 B-1	8	66,37	75	48	40	10	30	40,5	40	81,2	15
08 A/B-1	12	49,07	53	39	29	5	31,2	45,7	61,4	–	24
10 A/B-1	10	51,37	55	39	29	5	31,2	45,7	61,4	–	24
12 B-1	8	49,78	55	36	29	5	31,2	45,7	61,4	–	24
16 B-1	8	66,37	75	48	40	10	30,7	50,7	71,4	–	24
08 A/B-1	12	49,07	53	39	29	5	31,2	45,7	61,4	–	24
10 A/B-1	10	51,37	55	39	29	5	31,2	45,7	61,4	–	24
16 B-1	8	66,37	75	48	40	10	30,7	50,7	71,4	–	24

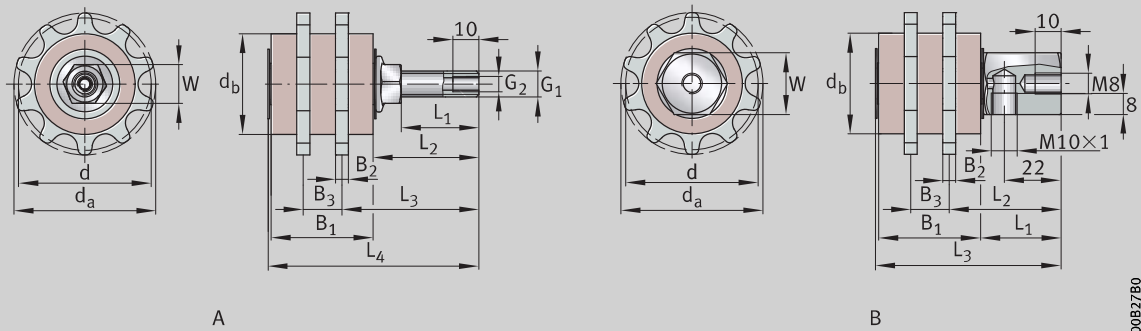


Chain lubrication pinions

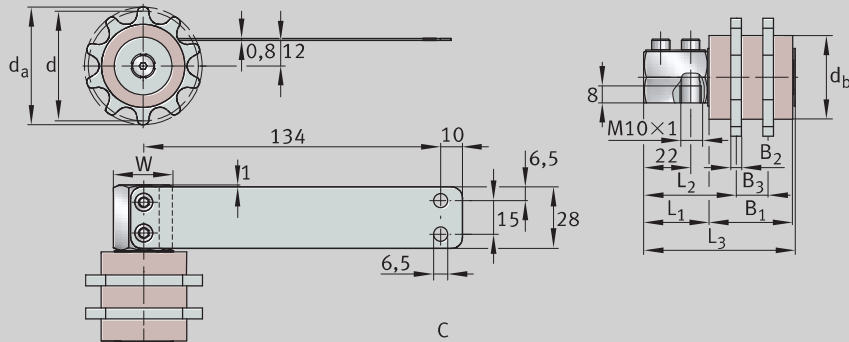
Type overview Chain lubrication pinions in duplex design

Lubricant feed, axial		Lubricant feed, radial	
 <p>A</p>		 <p>B</p>	
000B27A7			
Lubricant feed, radial, with spring plate			
 <p>C</p>			
000AF85A			
Type	Ordering number	Ordering designation	
A	093283520-0000-10	ARCALUB-X.CHAIN-PINION-08AB2-Z12-G	
	093283571-0000-10	ARCALUB-X.CHAIN-PINION-10AB2-Z10-G	
	093283628-0000-10	ARCALUB-X.CHAIN-PINION-12B2-Z8-G	
	093283687-0000-10	ARCALUB-X.CHAIN-PINION-16B2-Z8-G	
B	093283539-0000-10	ARCALUB-X.CHAIN-PINION-08AB2-Z12-W	
	093283580-0000-10	ARCALUB-X.CHAIN-PINION-10AB2-Z10-W	
	093283636-0000-10	ARCALUB-X.CHAIN-PINION-12B2-Z8-W	
	093283695-0000-10	ARCALUB-X.CHAIN-PINION-16B2-Z8-W	
C	093283598-0000-10	ARCALUB-X.CHAIN-PINION-10AB2-Z10-WF	
	093283644-0000-10	ARCALUB-X.CHAIN-PINION-12B2-Z8-WF	
	093283709-0000-10	ARCALUB-X.CHAIN-PINION-16B2-Z8-WF	

- ¹⁾ A DIN 8188
(American design, ANSI: American National Standards Institute)
B DIN 8187
(European design, British Standard)



000B2780



000A3538

Chain type according to ISO 606 ¹⁾	Teeth Quantity	Pitch circle diameter d mm	Dimensions										Thread		Width across flats W mm
			d _a mm	d _b mm	B ₁ mm	B ₂ mm	B ₃ mm	L ₁ mm	L ₂ mm	L ₃ mm	L ₄ mm	G ₁	G ₂		
08 A/B-2	12	49,07	53	39	29	5	15	30	41	55,5	71,2	M10	M6	15	
10 A/B-2	10	51,37	55	39	29	5	15	30	41	55,5	71,2	M10	M6	15	
12 B-2	8	49,78	55	36	29	5	15	30	41	55,5	71,2	M10	M6	15	
16 B-2	8	66,37	75	48	40	10	30	30	40,5	40	81,2	M16	M10×1	15	
08 A/B-2	12	49,07	53	39	29	5	15	31,2	45,7	61,4	-	-	-	24	
10 A/B-2	10	51,37	55	39	29	5	15	31,2	45,7	61,4	-	-	-	24	
12 B-2	8	49,78	55	36	29	5	15	31,2	45,7	61,4	-	-	-	24	
16 B-2	8	66,37	75	48	40	10	30	30,7	50,7	71,4	-	-	-	24	
10 A/B-2	12	49,07	53	39	29	5	15	31,2	45,7	61,4	-	-	-	24	
12 B-2	10	51,37	55	39	29	5	15	31,2	45,7	61,4	-	-	-	24	
16 B-2	8	66,37	75	48	40	10	30	30,7	50,7	71,4	-	-	-	24	



Lubrication rollers



Figure 1
Lubrication roller

In lubrication rollers, lubricant is applied by means of rollers made from open cell PU foam. All designs are fitted with a spring plate, *Figure 1*.

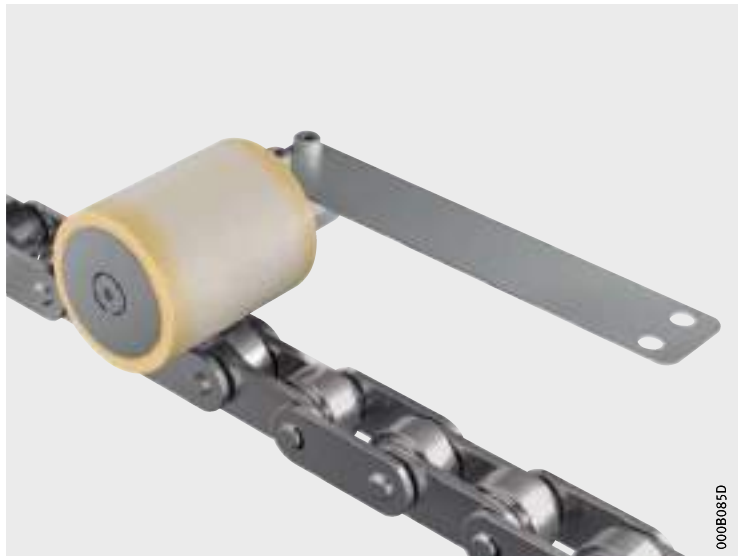
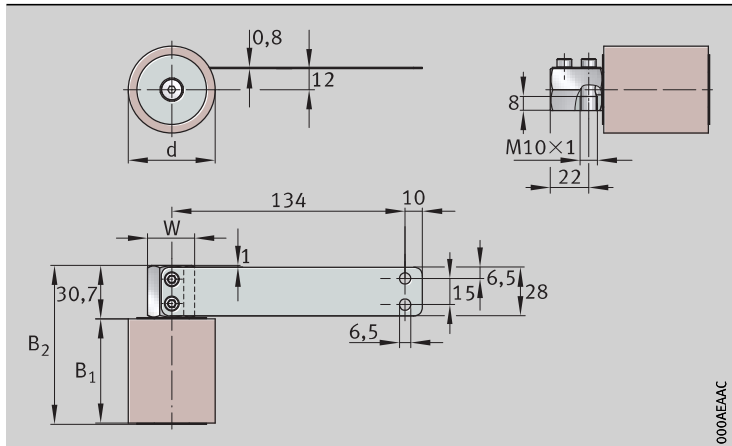


Figure 2
Lubrication of a roller chain by means of a lubrication roller

Lubrication rollers are used for the lubrication of raceways, for example on roller chains, *Figure 2*.

Type overview
Lubrication rollers



Dimensions			Width across flats W mm	Ordering number	Ordering designation
d mm	B ₁ mm	B ₂ mm			
30	45	76,4	24	093283717-0000-10	ARCALUB-X.ROLE-D30-B45-WF
40	30	61,4	24	093283725-0000-10	ARCALUB-X.ROLE-D40-B30-WF
50	40	71,4	24	093283733-0000-10	ARCALUB-X.ROLE-D50-B40-WF
50	60	91,4	24	093283741-0000-10	ARCALUB-X.ROLE-D50-B60-WF
60	45	76,4	24	093283750-0000-10	ARCALUB-X.ROLE-D60-B45-WF



