



FAG CONCEPT8 Offer Guide

Fernando Machado Nash
Service Manager Lubrication Products
WI/HRZ-SIES



The Concept 8 consists of 5 major components:

- ① Concept 8 base unit (available in 1,2,3 and 4 pump Models)
- ② Arcanol Lubricant Cartridge
- ③ Power Cable
- ④ Grease Line
- ⑤ Fittings and Adapters

Each component needs to be ordered to create a full unit. The base C8 unit will not include cartridge, cable, grease line or fittings.

The base unit is available in several styles:

- ▶ The **Standard** model
- ▶ The **Cold Weather** model
- ▶ The **Linear** or Machine Tool model
- ▶ The **Oil capable** model

Build a complete kit

Step 1: Select your C8 model

SCHAEFFLER



Standard

- ▶ The Standard model
- ▶ Suitable for the majority of applications
- ▶ Tubing needed: 8 x 5 mm



Cold Weather

- ▶ Specially designed to operate in frigid temperatures
- ▶ Pumps equipped with electric heating elements
- ▶ Tubing needed: 8 x 5 mm



Linear /
Machine Tool

- ▶ Smaller tubing for maximum flexibility in linear applications
- ▶ Perfect for multi-axis applications
- ▶ Tubing needed: 6 x 4 mm



Oil capable

- ▶ Designed for customer to fill with oil
- ▶ *No cartridge required (skip step 2)*
- ▶ Tubing needed: 6 x 3 mm

Each Concept 8 model is available with 1 to 4 pumps for up to 8 total lubrication points. 1 pump = 2 lubrication points



FAG CONCEPT8 – GREASE standard

SAP-Nr.	designation	outlets	pumping elements
082239754-0000-10	ARCALUB-C8-1P	2	P1
082249156-0000-10	ARCALUB-C8-2P	4	P1, P2
082266581-0000-10	ARCALUB-C8-3P	6	P1, P2, P3
082266646-0000-10	ARCALUB-C8-4P	8	P1, P2, P3, P4

Standard version with straight hose connectors for hose (PA66) 8x5 mm.

FAG CONCEPT8 – GREASE – Cold Climate

SAP-Nr.	designation	outlets	pumping elements
083786031-0000-10	ARCALUB-C8-1P-CC	2	P1
083786333-0000-10	ARCALUB-C8-2P-CC	4	P1, P2
083786490-0000-10	ARCALUB-C8-3P-CC	6	P1, P2, P3
083786511-0000-10	ARCALUB-C8-4P-CC	8	P1, P2, P3, P4

Version for cold climate applications, pumping elements with electrical heating elements. Straight hose connectors for hose (PA66) 8x5 mm.

FAG CONCEPT8 – GREASE – Linear applications

SAP-Nr.	designation	outlets	pumping elements
085058041-0000-10	ARCALUB-C8-1P-LIN	2	P1
085058068-0000-10	ARCALUB-C8-2P-LIN	4	P1, P2
085058092-0000-10	ARCALUB-C8-3P-LIN	6	P1, P2, P3
085058114-0000-10	ARCALUB-C8-4P-LIN	8	P1, P2, P3, P4

Pumping outlets with straight hose connectors for hose (PA12) 6x4 mm. Especially for the use in linear systems and in applications with hose connections through cable guiding systems. Smaller inner diameter of the hose reduces maximum hose length.

FAG CONCEPT8 –OIL

SAP-Nr.	designation	outlets	pumping elements
083786864-0000-10	ARCALUB-C8-1P-OIL	2	P1
083786910-0000-10	ARCALUB-C8-2P-OIL	4	P1, P2
083786953-0000-10	ARCALUB-C8-3P-OIL	6	P1, P2, P3
083787062-0000-10	ARCALUB-C8-4P-OIL	8	P1, P2, P3, P4

Build a complete kit
Step 2: Select your lubricant

SCHAEFFLER



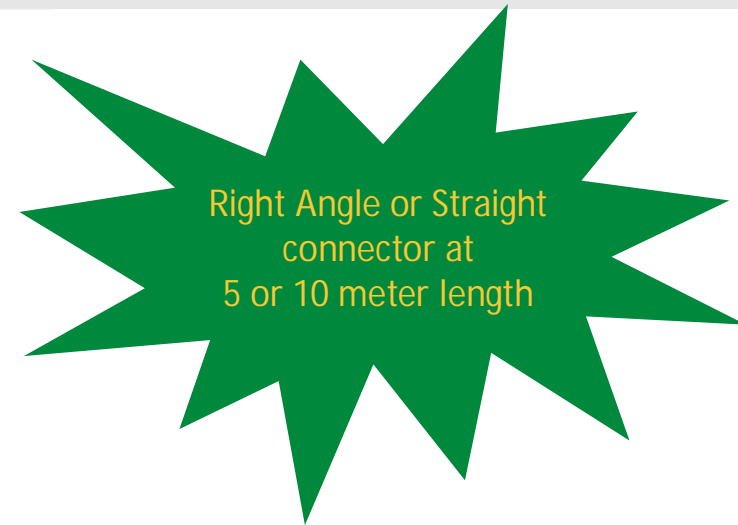
FAG CONCEPT8 operates on Schaeffler's ARCANOL range of lubricants. This range includes 17 different greases, each one developed by Schaeffler application engineers and produced by leading international lubricant manufacturers. These greases therefore provide specific lubrication properties for almost every type of industrial application.

Following cartridges are available:

SAP-Nr.	designation	grease type
MULTI PURPOSE GREASES		
082631492-0000-10	ARCALUB-C8.LC800-MULTITOP	Arcanol MULTITOP
083532412-0000-10	ARCALUB-C8.LC800-MULTI2	Arcanol MULTI2
083548289-0000-10	ARCALUB-C8.LC800-MULTI3	Arcanol MULTI3
HEAVY LOAD GREASES		
083532439-0000-10	ARCALUB-C8.LC800-LOAD150	Arcanol LOAD150
083533583-0000-10	ARCALUB-C8.LC800-LOAD220	Arcanol LOAD220
083533761-0000-10	ARCALUB-C8.LC800-LOAD400	Arcanol LOAD400
083533818-0000-10	ARCALUB-C8.LC800-LOAD460	Arcanol LOAD460
083548343-0000-10	ARCALUB-C8.LC800-LOAD1000	Arcanol LOAD1000
HIGH TEMPERATURE GREASES		
083533630-0000-10	ARCALUB-C8.LC800-TEMP90	Arcanol TEMP90
083548580-0000-10	ARCALUB-C8.LC800-TEMP110	Arcanol LEMP110
083548599-0000-10	ARCALUB-C8.LC800-TEMP120	Arcanol TEMP120
083548602-0000-10	ARCALUB-C8.LC800-TEMP200	Arcanol TEMP200
SPECIAL PURPOSE GREASES		
083548629-0000-10	ARCALUB-C8.LC800-SPEED2,6	Arcanol SPEED2,6
083549099-0000-10	ARCALUB-C8.LC800-VIB3	Arcanol VIB3
083548947-0000-10	ARCALUB-C8.LC800-BIO2	Arcanol BIO2
083549064-0000-10	ARCALUB-C8.LC800-FOOD2	Arcanol FOOD2
083549129-0000-10	ARCALUB-C8.LC800-CLEAN-M	Arcanol CLEAN-M

Build a complete kit
Step 3: Select Power Cable

SCHAEFFLER



Right Angle or Straight
connector at
5 or 10 meter length

Connection cable

SAP-Nr.	designation	connector type	cable length
075592240-0000-10	ARCALUB-X.CABLE-M12-5M-LED	M12x1, angulate 90° with LED index	5 meter
077879805-0000-10	ARCALUB-X.CABLE-M12-10M-LED	M12x1, angulate 90° with LED index	10 meter
083788964-0000-10	ARCALUB-X.CABLE-M12-5M-LED-S	M12x1, straight with LED index	5 meter
083788980-0000-10	ARCALUB-X.CABLE-M12-10M-LED-S	M12x1, straight with LED index	10 meter
Power supply 24 VDC (optional)			
083872507-0000-10	ARCALUB-X.POWER-SUPPLY-UNIT	Power supply 230 VAC / 24 VDC	

Build a complete kit
Step 4: Select tube



Grease – Standard + Cold Weather:

SAP-Nr.	designation	type
083788573-0000-10	ARCALUB-X.HOSE-PA66-5M	hose PA 6.6, unfilled, 8 x 5 mm (OD x ID) length 5 m, black
083788581-000-10	ARCALUB-X.HOSE-PA66-10M	hose PA 6.6, unfilled, 8 x 5 mm (OD x ID) length 10 m, black
083788603-0000-10	ARCALUB-X.HOSE-PA66-50M	hose PA 6.6, unfilled, 8 x 5 mm (OD x ID) length 50 m, black

Grease – Linear applications:

SAP-Nr.	designation	type
076691217-0000-10	ARCALUB-X.HOSE-PA12-5M	hose PA 1.2, unfilled, 6 x 4 mm (OD x ID) length 5 m, black
076691497-0000-10	ARCALUB-X.HOSE-PA12-10M	hose PA 1.2, unfilled, 6 x 4 mm (OD x ID) length 10 m, black
085842109-0000-10	ARCALUB-X.HOSE-PA12-50M	hose PA 1.2, unfilled, 6 x 4 mm (OD x ID) length 50 m, black

Oil:

SAP-Nr.	designation	type
075526336-0000-10	ARCALUB-X.HOSE-PA12-5M-CLEAR	hose PA 1.2, unfilled, 6 x 3 mm (OD x ID) length 5 m, transparent
083788441-000-10	ARCALUB-X.HOSE-PA12-10M-CLEAR	hose PA 1.2, unfilled, 6 x 3 mm (OD x ID) length 10 m, transparent

Build a complete kit

Step 5: Select your tube connectors (8mm OD) only for *Standard or Cold Weather*

SCHAEFFLER



Standard



Cold Weather



Standard dimensions: (Code ...G = straight; ...W = angulate 90°, rotatable)

SAP-Nr.	designation	thread, type
083654216-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088G	M8x1, straight
083654275-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT088W	M8x1, angulate, rotatable
083654356-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT108G	M10x1, straight
083654402-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT108W	M10x1, angulate, rotatable
083654534-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT188G	G1/8", straight
083654577-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT188W	G1/8", angulate, rotatable
083654607-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT148G	G1/4", straight
083654623-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT148W	G1/4", angulate, rotatable

If it is necessary to connect both outlets of one pump to one inlet it is recommended to use a Y-connector. Please do not use a T-connector!

SAP-Nr.	designation	thread, type
083654640-0000-10	ARCALUB-X.TUBEFIT-Y-D8	Y-connector, 3 x 8 mm

If it is necessary to extend the length of the hoses or to reduce the diameter please use specific connectors.

SAP-Nr.	designation	thread, type
083867309-0000-10	ARCALUB-X.CONNECT-8-8	OD 8 mm to OD 8mm
083867279-0000-10	ARCALUB-X.CONNECT-8-6	OD 8 mm to OD 6mm

Build a complete kit

Step 5: Select your tube connectors (6 mm OD) only for *Linear*

SCHAEFFLER



Linear /
Machine Tool



Standard dimensions: (Code ...G = straight; ...W = angulate 90°, rotatable)

SAP-Nr.	designation	thread, type
077937490-0000-10	ARCALUB-X.TUBEFIT-M5-SAT056G	M5, straight
079567401-0000-10	ARCALUB-X.TUBEFIT-M5-SAT056W	M5, angulate, rotatable
075527472-0000-10	ARCALUB-X.TUBEFIT-M6-SAT066G	M6, straight
075676621-0000-10	ARCALUB-X.TUBEFIT-M6-SAT066W	M6, angulate, rotatable
079567428-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT086G	M8x1, straight
079567584-0000-10	ARCALUB-X.TUBEFIT-M8X1-SAT086W	M8x1, angulate, rotatable
075527626-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT106G	M10x1, straight
076968553-0000-10	ARCALUB-X.TUBEFIT-M10X1-SAT106W	M10x1, angulate, rotatable
084465905-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT186G	G 1/8" straight
084465964-0000-10	ARCALUB-X.TUBEFIT-G1/8-SAT186W	G 1/8" angulate, rotatable
079567606-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT146G	G 1/4" straight
079567622-0000-10	ARCALUB-X.TUBEFIT-G1/4-SAT146W	G 1/4" angulate, rotatable

If it is necessary to connect both outlets of one pump to one inlet it is recommended to use a Y-connector. Please do not use a T-connector!

SAP-Nr.	designation	thread, type
076693180-0000-10	ARCALUB-X.TUBEFIT-Y-D6	Y-connector, 3 x 6 mm

If it is necessary to extend the length of the hoses please use specific connectors.

SAP-Nr.	designation	thread, type
083867112-0000-10	ARCALUB-X.CONNECT-6-6	2 x 6 mm

Oil back pressure valve

In order to avoid the self emptying of the hose, please use at the end of the hose an oil back pressure valve.

SAP-Nr.	designation	thread, type
083405607-0000-10	ARCALUB-X.OILVALVE-G1/8	G1/8" FM (2x)
021941882-0000-10	ARCALUB.OILVALV-G1/4	G1/4" FM / G1/4 M

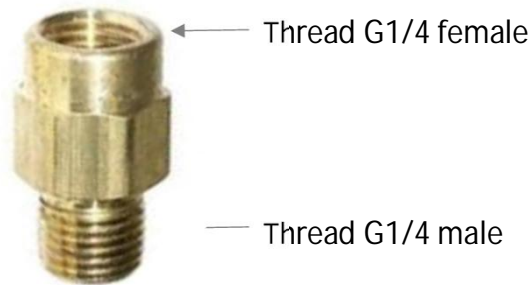
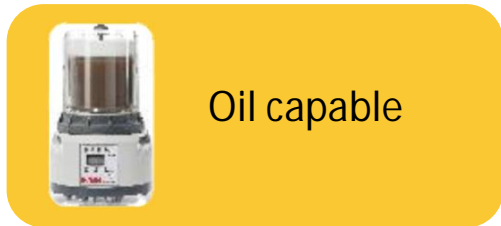
Build a complete kit

Step 5: Select your tube connectors (6 mm OD) only for *Oil*

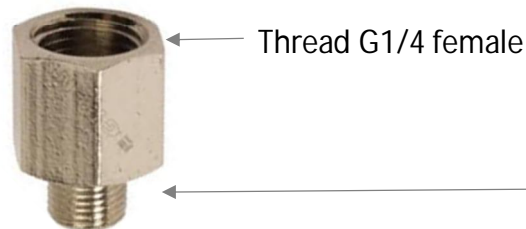
SCHAEFFLER



ARCALUB-X.TUBEFIT-G1/4-SAT146G
ARCALUB-X.TUBEFIT-G1/4-SAT146W



ARCALUB.OILVALV-G1/4



ARCALUB.NIPPLE-G1/2
ARCALUB.NIPPLE-G1/8
ARCALUB.NIPPLE-G3/8
ARCALUB.NIPPLE-M6
ARCALUB.NIPPLE-M8
ARCALUB.NIPPLE-M8X1
ARCALUB.NIPPLE-M10
ARCALUB.NIPPLE-M10X1
ARCALUB.NIPPLE-M12
ARCALUB.NIPPLE-M12X1,5



Thanks