


perma CLASSIC

The world's best selling lubrication system



CE  I M2 c X
II 2G c IIC T6 X
II 2D c T80°C X
0 °C ≤ Ta ≤ +40 °C



Durable, simple, reliable

perma CLASSIC can be used for all applications with ambient temperatures of 0 to +40 °C. The reliable operating principle is based on an electrochemical reaction. The lubrication period is determined by color coded activator screws. Depending on your application's requirement, you may chose to discharge 120 cm³ in a period of 1, 3, 6 or 12 months. The activator screw generates pressure (max. 4 bar) which moves the piston forward and continuously injects small lubricant amounts into the lubrication point. perma CLASSIC is fully dust and water proof and can withstand impacts and accidental knocks.

perma[®]

Application



perma CLASSIC is a single-point lubrication system for roller- and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals, chains, etc. operated at ambient temperatures that reach from 0 up to +40 °C. Typical applications can be found in mining, steel, automotive and mechanical engineering.



Single-point lubrication systems

Product characteristics

Advantages

Benefits

Simple, economical, fully automatic and reliable single-point lubrication system (for normal ambient temp.) →

- Economic change from manual to automatic perma lubrication
- Hands-free supply of fresh, clean lubricant
- Simple operating principle / color coded time settings

- Reduces maintenance costs
- Increases equipment availability
- Reliable, controlled lubrication
- Quick and easy initial installation and use
- Simple exchange / no tools necessary

Sturdy metal housing with transparent discharge indicator cap Electrochemical drive →

- Transparent end cone indicates when lubricator is empty
- Withstands impacts and accidental knocks

- Users can easily identify empty lubricators
- Lubricates even under rough conditions (mining, cement, quarrying)

Ex-proof certification →

- Can be used in areas where explosive atmospheres may occur (refer to Ex-certification on opposite page)

- Safe and reliable lubrication in dangerous areas
- Automatic lubrication reduces maintenance runs and results in less workplace accidents

Technical data

→ Refer to page 36 for part numbers

Housing
Metal / translucent plastics

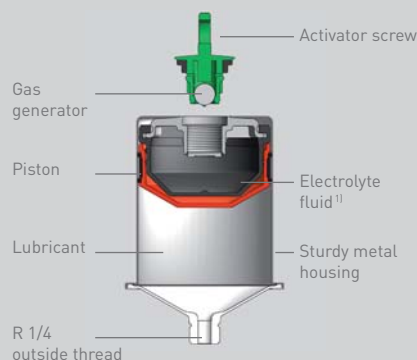
Drive
Electrochemical reaction

Discharge period at +20 °C with SF01
1, 3, 6 or 12 months

Lubricant volume
120 cm³

Operating temperature
0 °C to +40 °C

Pressure build-up
Max. 4 bar



¹⁾ environmentally friendly citric acid

Discharge period in months:

Time between activation and first discharge: 1 day

120 cm ³				
at 0 °C	4	8	15	>18
at +10 °C	2	5	8	18
at +20 °C	1	3	6	12
at +30 °C	0,8	2	3	6
at +40 °C	0,6	1	2	3

Activator screw with black sealing ring. To select the most suitable activator screw → go to page 46

perma MOUNTING SETS

Single-point lubrication systems

CWL SET (Crane Wheel Lubrication)

The lubrication system perma STAR VARIO pushes lubricant into the CWL applicator assy. The spring loaded applicator applies the lubricant to the wheel flange. When the crane wheel turns, the lubricant is transferred from the wheel flange to the side of the rail. This reduces wear on the wheel flange and rail.



CWL Applicator assy
+ CWL Applicator (replacement)
+ STAR VARIO Drive
incl. battery pack
+ STAR LC L250 with grease S250
+ Accessories
Part No. 27.006.381



Accessories:

1 x Clip (plastic)	Part. no. 26.001.105	1 m Nylon tube up to +80 °C oØ 8 mm x iØ 6 mm	Part. no. 26.001.250
1 x Bracket (stainless steel) 1.4016	Part. no. 26.0012.150	1 x STAR Support Flange G1/4o x G1/4i	Part. no. 26.001.620
1 x Tube connection f. perma G1/4i f. tube oØ 8/6 mm	Part. no. 26.001.202	400 g Cartridge with S250	Part. no. 28.250.000
1 x Tube connection f. perma G1/4o f. tube oØ 8/6 mm	Part. no. 26.001.203		

OGL SET (Open Gear Lubrication)

The OGL system is a special solution for applying grease to open gears. The lubrication system perma STAR VARIO pushes the lubricant into the rubber applicator of the OGL. When the gear turns, grease is applied to the face of each tooth. Because the OGL only applies small grease amounts, it is both economical and environmentally friendly.



OGL System
+ STAR VARIO Drive
incl. battery pack
+ STAR LC L250 with grease S250
+ Accessories
Part No. 27.007.381



Accessories:

1 x Clip (plastic)	Part. no. 26.001.105	1 x STAR Support flange G1/4o x G1/4i	Part. no. 26.001.620
1 x Bracket (stainless steel)	Part. no. 26.0012.150	1 x Mounting angle 110 x 70 x 2,5 mm	Part. no. 26.001.652
1 x Tube connection f. perma G1/4i f. tube oØ 8/6 mm	Part. no. 26.001.202	1 x Mounting plate 50 x 100 x 70 x 2,5 mm	Part. no. 26.001.653
1 x Tube connection G1/4o f. tube oØ 8/6 mm	Part. no. 26.001.203	400 g Cartridge with S250	Part. no. 28.250.000
1 m Nylon tube up to +80 °C oØ 8 mm x iØ 6 mm	Part. no. 26.001.250		

perma STARTER SETS „Bearings“

Single-point lubrication systems



perma NOVA



NOVA LC 130 with SF01
130 cm³

- + NOVA Control unit
- + Accessories

Part no. 24.11.0001.800

NEW



perma STAR VARIO



STAR LC M120 with SF01
120 cm³

- + STAR VARIO Drive
- + STAR VARIO Battery pack
- + STAR Support flange G1/4o x G1/4i
- + Accessories

Part no. 24.21.0001.381

STAR LC L250 with SF01
250 cm³

- + STAR VARIO Drive
- + STAR VARIO Battery pack
- + STAR Support flange G1/4o x G1/4i
- + Accessories

Part no. 24.21.1001.381

perma STAR CONTROL



STAR LC M120 with SF01
120 cm³

- + STAR CONTROL Cable (5 m)
- + STAR Support flange G1/4o x G1/4i
- + Accessories

+ STAR CONTROL TIME Drive

Part no. 24.21.0001.392

or

STAR CONTROL IMPULSE Drive

Part no. 24.21.0001.393

STAR LC L250 with SF01
250 cm³

- + STAR CONTROL Cable (5 m)
- + STAR Support flange G1/4o x G1/4i
- + Accessories

+ STAR CONTROL TIME Drive

Part no. 24.21.1001.392

or

STAR CONTROL IMPULSE Drive

Part no. 24.21.1001.393

Accessories included in each set:

- 1 x Reducer G1/8o x G1/4i (brass)
- 1 x Reducer M6o x G1/4i (brass)
- 1 x Reducer M8x1o x G1/4i (brass)
- 1 x Reducer M10x1o x G1/4i (brass)

- Part no. 26.0011.501
- Part no. 26.0011.511
- Part no. 26.0011.514
- Part no. 26.0011.518














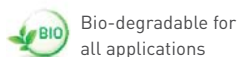
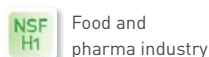
Extended equipment service life with the right lubricant

Lubricant selection is an important factor for achieving extended bearing service life. To increase the process safety of your machines and equipment you must select the right lubricant, the right place, the right time and the right amount. perma-tec's lubricant selection program helps you to select a lubricant that is especially suited for a specific application and for use in perma lubrication systems.

perma Lubricants

Choose the right lubricant for your application

perma Code Description Identification according to 51 502 (Grease) according to DIN 51 517-3 (Oil)	NLGI-class	Thickener	Base oil	Operating temperature range (°C)	Viscosity at +40 °C	Speed index	Applications						
							Roller bearings 	Sliding bearings / guides 	Linear guides 	Open gears / gear racks 	Spindles 	Shaft seals (1) 	Chains 
Grease													
SF01 Multipurpose grease KP2K-30	2	Li / Ca	Mineral oil	-30 to +130	220	350,000	✓	✓	✓	-	✓	✓	-
SF02 Extreme pressure grease KPF2K-30	2	Li + MoS2	Mineral oil	-30 to +120	105	350,000	-	✓	-	✓	-	-	-
SF03 High temp. grease KE1T-20	2	PHS + solids	Ester + PFPE	-20 to +220	420	300,000	✓	✓	-	-	-	-	-
SF04 High performance grease K1S-20	0/1	PHS	Mineral oil + PAO	-20 to +160	500	200,000	✓	✓	✓	-	✓	-	-
SF05 High temp. / extreme pressure grease KPF1S-20	0/1	PHS + MoS2	Mineral oil + PAO	-20 to +160	500	200,000	✓	✓	-	✓	-	-	-
SF06 Liquid grease K0G-20	0	Al-Com,	Mineral oil	-20 to +130	220	300,000	✓	✓	✓	-	-	✓	-
SF08 Low temp. grease KHC2N-50	2	Ca-Com,	PAO	-40 to +140	100	600,000	✓	✓	-	-	-	-	-
SF09 Bio grease KPE2K-40		2	PHS	Ester	-40 to +140	100	300,000	✓	✓	-	✓	-	-
SF10 Food grade grease NSF H1 K1K-40		1	Al-Com,	PAO	-45 to +120	150	300,000	✓	✓	✓	✓	-	-
Oil													
S014 High performance oil CLPE320	Oil	-	PAO + Ester	-20 to +250	320	-	-	-	-	-	-	-	✓
S032 Multipurpose oil CLP100	Oil	-	Mineral oil	-5 to +100	100	-	-	✓	-	✓	✓	-	✓
S064 Bio oil low viscosity CLPE100		Oil	-	Ester	-30 to +110	100	-	-	✓	-	✓	✓	-
S069 Bio oil high viscosity CLPE460		Oil	-	Ester	-20 to +110	460	-	-	✓	-	✓	✓	-
S070 Food grade oil NSF H1 CLPH220		Oil	-	PAO + Ester	-30 to +120	220	-	-	✓	-	✓	✓	-
















→ Additional lubricants available on request
 → For more assistance please download software perma SELECT 4.0 from our website

(1) Please check compatibility of lubricant and sealing material.

Electrochemical single-point lubrication systems

perma CLASSIC, perma FROST, perma FUTURA, perma NOVA

→ Suitable lubricants for your application: see page 35

				 NEW	 Control unit must be ordered separately
Grease	perma Code	perma CLASSIC 120 cm³		perma FUTURA 120 cm³	perma NOVA LC 130 incl. battery 130 cm³
perma Multipurpose grease	SF01	01.001.001		070.0001.0900	111.0001.0800
perma Extreme pressure grease	SF02	01.002.001		070.0002.0900	111.0002.0800
perma High temp. grease	SF03	01.003.001		070.0003.0900	111.0003.0800
perma High performance grease	SF04	01.004.001		070.0004.0900	111.0004.0800
perma High temp. / extreme pressure grease	SF05	01.005.001		070.0005.0900	111.0005.0800
perma Liquid grease	SF06	01.006.001		070.0006.0900	111.0006.0800
perma Low temp. grease	SF08	01.008.001		070.0008.0900	111.0008.0800
perma Bio grease	SF09	01.009.001		070.0009.0900	111.0009.0800
perma Food grade grease NSF H1	SF10	01.010.001		070.0010.0900	111.0010.0800
Oil		 Order the oil retaining valve separately		perma FUTURA incl. oil retaining valve	perma NOVA LC 130 incl. battery and oil retaining valve
perma High performance oil	S014	01.414.001		070.0414.0900	111.0414.0800
perma Multipurpose oil	S032	01.432.001		070.0432.0900	111.0432.0800
perma Bio oil low viscosity	S064	01.464.001		070.0464.0900	111.0464.0800
perma Bio oil high viscosity	S069	01.469.001		070.0469.0900	111.0469.0800
perma Food grade oil NSF H1	S070	01.470.001		070.0470.0900	111.0470.0800
Activator / Control unit		Activator		Activator	Control unit
Activator yellow 1 month		20.001.001 		20.001.001 	-
Activator green 3 months		20.001.003 		20.001.003 	-
Activator red 6 months		20.001.006 		20.001.006 	-
Activator grey 12 months		20.001.012 		20.001.012 	-
Activator blue 1-26 weeks		-		-	-
NOVA Control unit 1-12 months		-		-	110.0000.0000 




Would you like to see how our electrochemical lubrication systems work?

→ Contact us and ask for your perma MINI sample [mini@perma-tec.com!](mailto:mini@perma-tec.com)


Codes of lubricants contained in your lubrication



 AB-1022-123456-002

← Serial number
(Product-Code - Manufacturing year/week - Consecutive numbers)



 SF01
123.1234.1234

← Lubricant-Code and part no.

→ **Select the most suitable accessories for your perma lubrication system**






Brackets	Pic.	Standard	Pic.	Brass	Pic.	Stainless steel
Clamp (steel, zinc-plated)	1	26.001.100		-		-
Clip for perma CLASSIC, FROST, FUTURA, STAR (plastic)	2	26.001.105		-		-
NOVA Clip (plastic)	3	26.050.150				
Bracket		-		-	4	Steel 1.4016 26.0012.150
Insert for Bracket G1/4o x G1/4i		-	5	26.0011.151	6	Steel 1.4571 26.0012.151








Mounting plate / angles (Hole spacing 45 mm)	Pic.	Stainless steel 1.4301
Mounting plate 110 x 70 x 2.5 mm	1	26.001.653
Mounting angle 50 x 50 x 70 x 2.5 mm	2	26.001.650
Mounting angle 50 x 70 x 70 x 2.5 mm	3	26.001.651
Mounting angle 50 x 100 x 70 x 2.5 mm	4	26.001.652
Mounting angle 50 x 180 x 70 x 5 mm	5	26.001.654

Extensions	Pic.	Brass	Pic.	Stainless steel 1.4571
Extension R1/4o x G1/4i - 30 mm	1	26.0011.700		-
Extension R1/4o x G1/4i - 45 mm	2	26.0011.701	3	26.0012.701
Extension R1/4o x G1/4i - 75 mm	4	26.0011.702	5	26.0012.702
Extension R1/4o x G1/4i - 115 mm	6	26.0011.705		-
Extension G1/8o x G1/8i - 16 mm, nickel plated	7	27.008.023		-
Extension G1/8o x G1/8i - 36 mm, nickel plated	8	27.008.024		-
Extension M6 x 0.75 - 22 mm	9	26.0011.710		-
Extension M6 x 0.75 - 38 mm	10	26.0011.711		-
Extension M6 x 1 - 22 mm	11	26.0011.712		-
Extension M6 x 1 - 38 mm	12	26.0011.713		-















→ **NOTE: Seal all connection parts with a metal bonding adhesive (medium)**

Angles / others	Pic.	Brass	Pic.	Stainless steel 1.4401
Angle 45° G1/4o x G1/4i	1	26.0011.300	2	26.0012.301
Angle 45° M6o x G1/4i	3	26.0011.304		-
Angle 45° M8x1o x G1/4i	4	26.0011.305		-
Angle 45° M10x1o x G1/4i	5	26.0011.306		-
Angle 90° G1/4o x G1/4i	6	26.0011.350	7	26.0012.350
Angle 90° M6o x G1/4i	8	26.0011.353		-
Angle 90° M8x1o x G1/4i	9	26.0011.354		-
Angle 90° M10x1o x G1/4i	10	26.0011.355		-



Swivelling screw fitting G1/4o x G1/4i	11	26.0011.360		-
T-adapter 3 x G1/4i	12	26.0011.600	13	26.0012.600
Bulkhead nipple G3/8o x G1/4i	14	26.0011.601		-
Hexagon nipple R1/4o	15	26.0011.602	16	26.0012.602
Sleeve G1/4i	17	26.0011.605		-



Tube connectors / tubes Standard: oØ 8 mm x iØ 6 mm	Pic.	Standard	Pic.	Brass	Pic.	Stainless steel 1.4571
Tube connector for perma G1/4i	1	26.001.202	2	26.0011.202	3	26.0012.202
Tube connector G1/4o	4	26.001.203	5	26.0011.203	6	26.0012.203
Tube connector G1/8o	7	26.001.204		-		-
Tube (PA) up to +80 °C oØ 8 mm x iØ 6 mm (per meter)	8	26.001.250		-		-
Tube (PTFE) up to +250 °C oØ 8 mm x iØ 6 mm (per meter)	9	26.001.260		-		-



→ Tube length can be selected individually

→ **Note: Use a tube prefill adapter to prefill your tubes**

Tube connectors / tubes	Pic.	For tubes with oØ 6 mm	Pic.	For tubes with oØ 8 mm
Tube connector G1/8o straight	1	26.003.904	2	27.008.010
Tube connector G1/8o 90° - rotary type	3	26.003.907	4	27.008.011
Tube connector G1/4o straight	5	26.003.905	6	27.005.011
Tube connector G1/4i straight	7	27.005.038	8	27.005.026
Tube connector G1/4o 90° - rotary type		-	9	27.005.012
Tube connector G3/8o straight		-	10	27.005.013



	Pic.	For tubes with oØ 6 mm	Pic.	For tubes with oØ 8 mm
Tube connector M5o straight	11	26.003.906		-
Tube connector M6o straight	12	27.005.036		-
Tube connector M6o 90° - swivel type	13	27.005.042		-
Tube connector M6x0.75o 90° - swivel type	14	27.005.043		-
Tube connector M8x1o straight	15	27.005.044		-
Tube connector M10x1o straight	16	27.005.037		-
Tube connector M8x1o 90° - rotary type	17	27.005.034		-
Tube connector M10x1o 90° - rotary type	18	27.005.035		-



	Pic.	For tubes with oØ 6 mm	Pic.	For tubes with oØ 8 mm
Y-connector for tube	19	27.005.041	20	27.005.040
Extension for tube oØ 6 mm to oØ 8 mm	21	27.005.039		-
Tube prefill adapter	22	27.005.066	23	27.005.058
Tube black (per meter)	24	oØ 6 mm x iØ 4 mm for perma ECOSY 27.005.016	25	oØ 8 mm x iØ 5 mm for perma PRO 27.008.009
Tube translucent (per meter)	26	oØ 6 mm x iØ 4 mm for perma ECOSY 27.005.008		-



Copper pipe / fittings	Pic.	For copper pipes with oØ 8 mm
Copper pipe oØ 8 mm x iØ 6 mm (per meter)	27	27.005.033
Cutting ring coupling R1/4i for copper pipe	28	27.005.045
Cutting ring coupling R1/4o for copper pipe	29	27.005.046

→ Pipe length can be selected individually



→ **Note: Use a pressure gauge to check counter pressure at lubrication point**

Reducers / reducer coupling	Pic.	Brass	Pic.	Stainless steel 1.4571
Reducer R1/2o x G1/4i	1	26.0011.500		-
Reducer G1/8o x G1/4i	2	26.0011.501	3	26.0012.501
Reducer G1/4o x G1/8i	4	26.0011.503		-
Reducer R3/4o x G1/4i	5	26.0011.504		-
Reducer R3/8o x G1/4i	6	26.0011.505		-
Reducer M6o x G1/4i	7	26.0011.511	8	26.0012.511
Reducer M8x1o x G1/4i	9	26.0011.514	10	26.0012.514
Reducer M8o x G1/4i	11	26.0011.515	12	26.0012.515
Reducer M10x1o x G1/4i	13	26.0011.518	14	26.0012.518
Reducer M10o x G1/4i	15	26.0011.520		-
Reducer M12o x G1/4i	16	26.0011.524		-
Reducer M12x1o x G1/4i	17	26.0011.525		-
Reducer M12x1.5o x G1/4i	18	26.0011.526		-
Reducer M14x1.5o x G1/4i	19	26.0011.528		-
Reducer M14o x G1/4i	20	26.0011.529		-
Reducer M16o x G1/4i	21	26.0011.530		-
Reducer M16x1,5o x G1/4i	22	26.0011.531		-
Reducer 1/4"o x G1/4i	23	26.0011.533		-
Reducer coupling G3/8i to G1/8i for tube oØ 8 mm, nickel plated	24	27.005.081		-



Oil retaining valves	Pic.	Brass	Pic.	Stainless steel 1.4571
Oil retaining valve up to +60 °C (plastic valve)	1	26.0011.810	2	26.0012.810
Oil retaining valve up to +150 °C (metal valve)	3	26.0011.811		-



→ **Note: Check the connecting thread size at the lubrication point**

Oil brushes	Pic.	Brush with horsehair up to +80 °C	Pic.	High temperature brush with PPS-bristles up to +180 °C	Pic.	High temperature brush with stainless steel bristles up to +350 °C
Oil brush Ø20 mm G1/4i	1	26.001.400		-		-
Oil brush 40 x 30 mm G1/4i thread on top	2	26.001.410	3	26.001.420	4	26.001.430
Oil brush 60 x 30 mm G1/4i thread on top	5	26.001.411	6	26.001.421	7	26.001.431
Oil brush 100 x 30 mm G1/4i thread on top	8	26.001.412	9	26.001.422	10	26.001.432
Oil brush 40 x 30 mm G1/4i lateral thread	11	26.001.447		-		-
Oil brush 60 x 30 mm G1/4i lateral thread	12	26.001.448		-		-



Special connecting parts	Pic.		Pic.		Pic.	
Rail oiler brush For sliding guide lubrication (oil) Application: Elevators, high racks	1	Gap width 16 mm incl. oil retaining valve 27.004.002	2	Gap width 20 mm incl. oil retaining valve 27.004.003	3	Gap width 29 mm incl. oil retaining valve 27.004.004
Rail oiler with foam insert For sliding guide lubrication (oil) Application: Elevators, high racks	4	Gap widths 5, 9, 16 mm 27.003.100		-		-
Lubrication pocket for gear lubrication For open gear lubrication (grease) Application: Press drives, slew rings, gear racks	5	26.002.950	Custom made to your specification Please provide: Module, no. of teeth, radius in mm width of gear wheel in cm			
Chain lubrication box with rotating brush For chain lubrication from below (oil) Application: Conveyor chains	6	40x75x45 mm 26.002.955	7	40x75x61 mm 26.002.959	8	40x75x77 mm 26.002.960
Re-order for rotating brush (for chain lubrication box)	9	26.001.957		-		-
CWL Applicator assy with applicator insert	p. 31	27.006.001	CWL Applicator (replacement)			27.006.002
OGI System (paddle)	p. 31	27.007.000				



→ **Note: For prefilling of connection parts (400 g cartridge) always use the same lubricant that is filled in the lubrication system**

Special brushes / mounting brackets	Pic.	with tapped bore M6	Pic.	with trough hole
Special brush for large chains up to +80 °C	1	27.005.056	2	27.005.057
Special brush for large chains up to +180 °C	3	27.005.073	4	27.005.074
Special brush for large chains up to +350 °C	5	27.005.075	6	27.005.076
Special mounting bracket left for special brush	7	27.005.068		-
Special mounting bracket right for special brush	8	27.005.069		-
Spacer for special brush, width: 13 mm	9	27.005.070		-

Cartridges / bottles (for prefilling)				
Grease	perma Code	Cartridge 400 g	Container 1 kg	Container 5 kg
perma Multipurpose grease	SF01	28.001.000	281.0001.0000	285.0001.0000
perma Extreme pressure grease	SF02	28.002.000	281.0002.0000	285.0002.0000
perma High temp. grease	SF03	28.003.000	281.0003.0000	285.0003.0000
perma High performance grease	SF04	28.004.000	281.0004.0000	285.0004.0000
perma High temp. / extreme pressure grease	SF05	28.005.000	281.0005.0000	285.0005.0000
perma Liquid grease	SF06	28.006.000	281.0006.0000	285.0006.0000
perma Low temp. grease	SF08	28.008.000	281.0008.0000	285.0008.0000
perma Bio grease	SF09	28.009.000	281.0009.0000	285.0009.0000
perma Food grade grease NSF H1	SF10	28.010.000	281.0010.0000	285.0010.0000
Oil	perma Code		Bottle 1 liter	
perma High performance oil	S014		281.0414.0000	→ Use for prefilling of tubes or to fill the perma ECOSY tank
perma Multipurpose oil	S032		281.0432.0000	
perma Bio oil low viscosity	S064		281.0464.0000	
perma Bio oil high viscosity	S069		281.0469.0000	
perma Food grade oil NSF H1	S070		281.0470.0000	

Pressure tester STAR VARIO - up to 5 bar for perma CLASSIC, FROST, FUTURA, NOVA, STAR	27.001.002	
Pressure tester PRO - up to 25 bar for perma PRO	27.001.001	
Grease gun	26.005.001	
Tube with rotary joint and slide coupling for grease gun	26.005.010	

6 easy steps to your own perma lubrication system

1. What kind of application is it? How many lubrication points do you want to lubricate?

For a complete overview of all perma lubrication systems please check → [page 9](#)



2. How much lubricant is required?

Conversion based on given lubricant amount

Conversion: 1 stroke of grease = approx. 1.5 cm³ = 1.2 g

or use our → [perma SELECT](#) software

3. Which lubricant is best suited for your application?

For a complete overview of all our standard greases and oils please check → [page 35](#)

4. Find the correct part number

For part numbers of all perma lubrication systems and components please check → [page 36 – 39](#)

5. Which connection parts are required for the installation?

For connection parts and accessories please check → [page 40 – 45](#)

6. Do you need help?

Our perma SERVICE team offers technical support either on the phone → **no. +49 9704 609-99** or via email: service@perma-tec.de

perma CLASSIC / perma FUTURA with 120 cm³ lubricant



Activator / months at 20° with SF 01	1	3	6	12
Lubricant / day [cm ³]	4,0	1,3	0,7	0,3
Lubricant / week [cm ³]	28,0	9,3	4,7	2,3
Strokes with grease gun / day	2-3	1	0,5	-
Strokes with grease gun / week	16-20	5-7	3,4	1-2

perma NOVA with 130 cm³ lubricant



Adjustment / month	1	2	3	4	5	6	7	8	9...	...12
Lubricant / day [cm ³]	4.3	2.2	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4
Lubricant / 100 hours [cm ³]	18.1	9.0	6.0	4.5	3.6	3.0	2.6	2.3	2.0	1.6
Lubricant / week [cm ³]	30.3	15.2	10.1	7.6	6.1	5.1	4.3	3.8	3.4	2.7
Strokes with grease gun / day	3	1-2	1	<1	<1	0.5	-	-	-	-
Strokes with grease gun / 100 h	11-13	5-7	4	3	2-3	2	<2	1.5	<1.5	1
Strokes with grease gun / week	18-22	9-11	6-7	5	4	3-4	3	2-3	2	1-2

perma STAR LC S60 with 60 cm³ lubricant



Adjustment / month	1	3	6	12
Lubricant / day [cm ³]	2.0	0.7	0.3	0.2
Lubricant / 100 hours [cm ³]	8.3	2.8	1.4	0.7
Lubricant / week [cm ³]	14.0	4.7	2.3	1.2
Strokes with grease gun / day	1-2	0.5	-	-
Strokes with grease gun / 100 h	5-6	2	1	0.5
Strokes with grease gun / week	8-10	3-4	1-2	1

perma STAR LC M120 with 120 cm³ lubricant



Adjustment / month	1	3	6	12
Lubricant / day [cm ³]	4	1.3	0.7	0.3
Lubricant / 100 hours [cm ³]	16.7	5.5	2.8	1.4
Lubricant / week [cm ³]	28	9.3	4.7	2.3
Strokes with grease gun / day	2-3	1	0.5	-
Strokes with grease gun / 100 h	10-12	3-4	2	1
Strokes with grease gun / week	17-20	5-7	3-4	1-2

perma STAR LC L250 with 250 cm³ lubricant



Adjustment / month	1	3	6	12
Lubricant / day [cm ³]	8.3	2.8	1.4	0.7
Lubricant / 100 hours [cm ³]	34.7	11.6	5.8	2.9
Lubricant / week [cm ³]	58.3	19.4	9.7	4.9
Strokes with grease gun / day	5-6	2	1	0.5
Strokes with grease gun / 100 h	22-24	7-9	3-5	1-2
Strokes with grease gun / week	36-40	12-14	6-7	3-4