

perma CLASSIC perma FUTURA perma FUTURA PLUS

The classical lubrication system



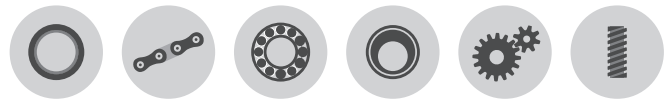
I M2 c X
II 2G c IIC T6 X
II 2D c T80°C X
0 °C ≤ Ta ≤ +40 °C



Simple - robust - reliable

perma CLASSIC, perma FUTURA and perma FUTURA PLUS can be used in all types of applications with ambient temperatures from 0 to +40 °C. Depending on operating conditions, a lubricant volume of 120 cm³ is used up in 1, 3, 6 or 12 months. Reliable function is based on an electrochemical reaction. The activator is screwed into the lubrication system until the eyelet comes off. perma FUTURA PLUS is activated by simply turning the activation cap – no separate activator is required. The contained gas generator builds up a pressure of max. 4 bar, which moves the piston forward and transports lubricant into the lubrication point.

Applications | Machine elements



perma CLASSIC, perma FUTURA and perma FUTURA PLUS are suitable for single-point lubrication in various applications. Main applications of perma CLASSIC are in mining and the steel industry. perma FUTURA has a corrosion-proof plastic housing which makes it ideal for hygienically clean applications (e. g. food and chemical industry). perma FUTURA PLUS is a complete unit suitable for use at many lubrication points in wind turbines.



Product characteristics



perma CLASSIC
Metal housing

perma FUTURA / FUTURA PLUS
Transparent plastic housing with integrated support flange



perma CLASSIC / FUTURA
Easy activation

One-time activation:
1, 3, 6 or 12 months
discharge period



perma FUTURA PLUS
Activation cap with integrated gas generator

Benefits

→ Robust housing for use in harsh environments

→ Easy fill level check via permanently visible position of piston in lubrication system

→ Corrosion-proof

→ Economical, permanent lubrication

→ Easy handling with coloured activators

→ Quick and easy exchange without special tools

→ Lubrication system with fixed discharge period is ready for immediate use: No activator required

→ Quick activation and exchange without any tools

Technical data

Drive
Electrochemical reaction via gas generator

Discharge period at +20 °C / perma Multipurpose grease SF01
1, 3, 6 or 12 months

Lubricant volume
120 cm³ / 4.06 oz

Operating temperature
0 °C to +40 °C / 32 °F to +104 °F

Pressure build-up
Max. 4 bar / 58 psi

Standard & special lubricants
Greases up to NLGI 2 / Oils

CLASSIC / FUTURA

Activator (Material PA GF)

Gas generator

CLASSIC
Robust housing (steel)

Piston

Lubricant

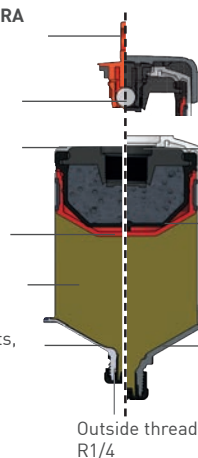
CLASSIC
For oil-filled units, also use an oil retaining valve.

Dimensions

CLASSIC: Ø 70 x 99 mm

FUTURA: Ø 67 x 111 mm

FUTURA PLUS: Ø 70 x 117 mm



FUTURA PLUS

Activation cap with integrated gas generator (Material PA GF)

FUTURA / PLUS
Transparent housing (PA)

Electrolyte fluid (environmentally friendly citric acid)

FUTURA / PLUS
with integrated support flange (PA GF) & retaining valve for oil-filled units

Discharge period in months:

	1	3	6	12
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

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