

perma CLASSIC / perma FUTURA / perma FUTURA PLUS

The classical lubrication system

NEW



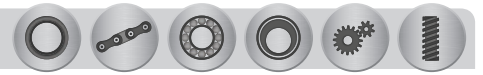
CE Ex I M2 c X
II 2G c IIC T6 X
II 2D c T80°C X
0 °C ≤ Ta ≤ +40 °C



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.

perma



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

Benefits



perma CLASSIC
Metal housing

→ Robust housing for use in harsh environments



perma CLASSIC / FUTURA
Easy activation

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

→ Economical, permanent lubrication
→ Easy handling with coloured activators
→ Quick and easy exchange without special tools



perma FUTURA PLUS
Activation cap with
integrated gas generator

→ 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

Operating temperature
0 °C to +40 °C

Pressure build-up
Max. 4 bar

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

Outside thread
R1/4

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