

# Nontrop RB 3 DIN E

Grease for propane, butane, natural and town gas valves and fittings acc. to DIN EN 377



## Your benefits at a glance

- Tested and approved by DVGW acc. to DIN EN 377 class D
- Very good and durable wetting of friction points
- Neutral towards copper and its alloys
- High thermal stability
- Neutral towards DIN EN 377 elastomers, e.g. SRE-NBR 1
- Contains solid lubricant to compensate for roughness peaks and areas subject to elevated load

## Your requirements - our solution

NONTROP RB 3 DIN E is a thermally stable lubricating, sliding and sealing agent based on mineral oil and thickened with a thermally very stable silicate and solid lubricant.

## Application

NONTROP RB 3 DIN E is used as lubricant, sliding and sealing agent in gas equipment of all categories including the additional fittings contained in them or intended to be fitted in them which can come into contact with fuel gases. Such fittings include ball, taper plug and other valves in cooking and heating installations, etc., with an operating temperature from 0 °C to 140 °C acc. to EN 377 that are used with fuel gases or gas mixtures such as natural or town gas

as well as propane and butane as specified in DVGW worksheet G 260.

## Application notes

Carefully clean and degrease the friction points prior to initial lubrication. Then apply a thin and uniform layer of NONTROP RB 3 DIN E by means of brush, spatula or suitable metering system to all friction points of the component.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	NONTROP RB 3 DIN E
Can 1 kg	+
Bucket 25 kg	+

Characteristics	NONTROP RB 3 DIN E
Article number	001045
Composition, solid lubricant	silicate , solid lubricant
Composition, type of oil	mineral oil
Colour space	black
Texture	homogeneous
Service temperature, lower limit	-10 °C

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Characteristics	NONTROP RB 3 DIN E
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 1.1 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	230 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	255 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , lower limit	7500 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , upper limit	11500 mPas
Copper corrosion, DIN 51811, 24 h, 140°C	≤ 2 - 140 - 24 corrosion degree
Oil separation, ASTM D6184, 30 h, 100°C	≤ 1 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 240 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. 24 months	

## Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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