

NONTROP GB 3 G

Special grease for valves and fittings



Your benefits at a glance

- **Reliable function of systems and components in contact with aggressive media due to**
 - compatibility with EPDM and a wide range of other materials used in this branch of industry
 - a wide service temperature range
 - excellent adhesion, good antiwear effect and outstanding load-carrying behaviour
- **Facilitates assembly, maintenance and repair due to good metering precision**

Your requirements - our solution

As a manufacturer or operator of valves and fittings that are used in contact with liquid or gaseous hydrocarbons or their condensates, or with cold or hot water, you are certainly interested in protecting these components against wear.

With its good adhesion to surfaces and resistance to media, NONTROP GB 3 G is not susceptible to washout and therefore helps extend the operable time of your valves and fittings. In addition, the solid lubricants contained support smooth component operation.

Application

NONTROP GB 3 G is preferably used for the lubrication of valves and fittings as well as in chemical systems and equipment requiring good resistance to various media. The product's high pressure-absorption capacity and consistent friction values over a wide temperature range ensure constant actuation forces in these applications.

With its specific performance characteristics, NONTROP GB 3 G offers versatile uses. Its most obvious applications are in the field of DRILLING, COMPLETION and PRODUCTION.

Application notes

For optimum lubrication results, we recommend cleaning the friction points with white spirit 180/210, alcohol or Klüber Summit Varnasolv. For initial lubrication, the friction points should ideally be clean and bright, i.e. free from oil, grease, perspiration and contamination. To optimise the service life of your equipment or if you have any other questions regarding your application, our experts will be pleased to help you.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	NONTROP GB 3 G
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	NONTROP GB 3 G
Article number	001068
Chemical composition, solid lubricant	graphite
Chemical composition, type of oil	ester oil
Chemical composition, thickener	silicate
Lower service temperature	-5 °C / 23 °F
Upper service temperature	120 °C / 248 °F
Colour space	black

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Product data	NONTROP GB 3 G
Texture	homogeneous
Texture	fibrous
Density at 20 °C	approx. 1.08 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	260 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	230 x 0.1 mm
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	13 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	21 500 mPas
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months





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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 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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