

# CATENERA KSB 6, 8, 12

Adhesive dampening greases of medium to high shear viscosity



## Benefits for your application

- **More comfortable operation (haptics) of mechanical components as friction points are dampened by the lubricant**
- **Better component function e.g. due to good adhesion retaining the lubricant at the friction point**
- **CATENERA KSB 8 is certified according to NSF ISO 21469, supporting the compliance with the hygienic requirements in your production. You will find further information about ISO Standard 21469 on our website [www.klueber.com](http://www.klueber.com)**

## Description

CATENERA KSB 6, 8, 12 are adhesive dampening greases based on synthetic hydrocarbon, ester and paraffin oil. They contain silicate as thickener.

In the food and pharmaceuticals industries, CATENERA KSB 8 may be preferably used for applications where technically unavoidable contact with the food product cannot be excluded.

CATENERA KSB 8 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. The lubricant was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of CATENERA KSB 8 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

CATENERA KSB greases are used for friction points requiring high mechanical dampening and good adhesion, e.g. low-speed rolling and plain bearings, small gears, threaded spindles, eyepieces and binoculars.

CATENERA KSB is available in three shear viscosity grades in order to meet dampening and adhesion requirements.

For even higher shear viscosities we refer to the Klübersynth RA greases.

## Application notes

CATENERA KSB greases can be applied by brush, spatula, grease gun, automatic metering systems for small quantities, grease cartridge and the usual metering systems. Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series application.

Variations in the colour of products manufactured by means of chemical processes are a common phenomenon. Possible causes are, for example, variations in the colour of natural raw materials. All these colour variations, however, are in no way an indication of a change in the quality of the product.

## 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	CATENERA KSB 6	CATENERA KSB 8	CATENERA KSB 12
Can 1 kg	+	+	+
Bucket 25 kg	+	+	+



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Product data	CATENERA KSB 6	CATENERA KSB 8	CATENERA KSB 12
Article number	007002	007003	007004
NSF-H1 registration		113 755	
Chemical composition, type of oil	synthetic hydrocarbon oil	paraffinic mineral oil	synthetic hydrocarbon oil
Chemical composition, type of oil	ester oil	synthetic hydrocarbon oil	ester oil
Chemical composition, thickener	silicate	silicate	silicate
Chemical composition, type of oil	Paraffin. Mineralöl	Esteröl	Paraffin. Mineralöl
Lower service temperature	-35 °C / -31 °F	-30 °C / -22 °F	-30 °C / -22 °F
Upper service temperature	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F
Colour space	brown	beige	beige
Texture	long-fibred	fibrous	fibrous
Texture	homogeneous	homogeneous	homogeneous
Appearance	almost transparent	almost transparent	almost transparent
Density at 20 °C	approx. 0.93 g/cm <sup>3</sup>	approx. 0.93 g/cm <sup>3</sup>	approx. 0.93 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	350 x 0.1 mm	260 x 0.1 mm	180 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	390 x 0.1 mm	300 x 0.1 mm	220 x 0.1 mm
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	4 000 mPas	6 000 mPas	8 000 mPas
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, upper limit value	7 000 mPas	10 000 mPas	20 000 mPas
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	18 months	12 months	18 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 80 years.

**Klüber Lubrication München SE & Co. KG / Geisenhausenerstraße 7 / 81379 München / Germany / phone +49 89 7876-0 / fax +49 89 7876-333.**

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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