

# ASONIC GHY 72

Synthetic lubricating grease for long-term or lifetime lubrication of rolling bearings



## Your benefits at a glance

- Wide service temperature range
- Long service life
- Synthetic lubricant
- Low noise

## Your requirements - our solution

The high performance ASONIC GHY 72 is due to its optimised mix of product components: ester oil, polyurea thickener, a special additive package, combined in a special and clean manufacturing environment. This ensures the extraordinary features of ASONIC GHY 72 for use in rolling bearings:

- high purity
- low noise
- long shelf life
- high resistance to water
- good corrosion protection

## Application

ASONIC GHY 72 is particularly beneficial for the long-term or lifetime lubrication of parts exposed to a wide service temperature range, e.g. ball bearings in electric motors, fans, air conditioners,

automobile generators, computers, CD drives as well as household appliances and office equipment.

## Application notes

The lubricant is applied by means of a spatula, brush, grease gun or grease cartridge. For use in automatic lubricating systems, the pumpability of the lubricant should be checked.

Certain polyurea greases solidify during elongated periods of storage. Normally, such increase in consistency does not affect the performance of the lubricating grease and is reversible when the grease is subjected to shearing or working stress.

## 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.

## Behaviour towards elastomers and plastics

The following elastomers were statically tested for resistance to ASONIC GHY 72.

*Prior to series application we recommend testing the compatibility of the grease and the pertinent materials. (Our test results were obtained with random samples and cannot substitute your own in-house tests.)*

Medium	Material	Time/temp. h / °C	Change in volume (%)	Shore hardness A	Tensile strength (%)	Elongation at break (%)
<b>ASONIC GHY 72</b>	<b>70 ACM 121433</b>	<b>168 / 150</b>	<b>14</b>	<b>- 14</b>	<b>- 15</b>	<b>- 29</b>
ASONIC GHY 72	75 FKM 585	168 / 150	1,7	- 2	- 8	- 35
ASONIC GHY 72	72 NBR 902	168 / 100	12	- 6	16	3
ASONIC GHY 72	81 VMQ 542	168 / 100	4	- 6	- 12	- 14

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Pack sizes	ASONIC GHY 72
Cartridge 400 g	+
Can 500 g	+
Can 1 kg	+
Bucket 18 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	ASONIC GHY 72
Article number	094049
Composition, thickener	polyurea
Composition, type of oil	ester oil
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	180 °C
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	250 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	280 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 9.5 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 72 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h	≤ 1 corrosion degree
Low temperature torque, IP 186, -40°C, running torque	≤ 100 mNm
Low temperature torque, IP 186, -40°C, starting torque	≤ 1000 mNm
Dropping point, DIN ISO 22286 / IP 396	≥ 250 °C
Speed factor (n x dm)	700000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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 95 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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