

# Klübersynth BQP 72-82

Rolling bearing grease for long-term lubrication



## Benefits for your application

- **Extended component lifetime**
  - smooth running, especially in small rolling bearings ensures protection against premature material fatigue
  - above-average corrosion protection avoids corrosion damage
  - improved vibration resistance owing to optimised wear protection
- **Based on modern raw materials according to Bosch standard N 2580 (2008)**

## Description

Klübersynth BQP 72-82 is designed for small rolling bearings in which material fatigue due to vibration in combination with pressure and temperature can occur. It is based on ester oil and polyurea thickener and made according to a special manufacturing procedure, facilitating smoother running of rolling bearings. With its above-average corrosion protection properties, it also extends the lifetime of rolling bearings.

to different system configurations and application conditions the pumpability of the product has to be confirmed with the system manufacturer for each individual application. We will be pleased to provide assistance in this matter.

Ideally, the friction point should be cleaned and dried prior to lubrication. If a preservative has been applied prior to greasing, we recommend checking compatibility with the lubricant.

## Application

Klübersynth BQP 72-82 is preferably used for highly-loaded generator bearings, fan bearings and bearings in driving and electric motors, e.g. in cars.

## 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.

## Application notes

Klübersynth BQP 72-82 can be applied by means of brush, spatula, and automatic dosing units for small quantities or conventional dosing systems. The product is normally suitable for central lubricating systems. Please note, however, that due

## Pack sizes

Product data	Klübersynth BQP 72-82
Article number	094116
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Lower service temperature	-40 °C / -40 °F
Upper service temperature	180 °C / 356 °F
Colour space	beige
Density at 20 °C	approx. 0.90 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	280 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	310 x 0.1 mm



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Product data	Klübersynth BQP 72-82
Worked penetration, DIN ISO 2137, 25 °C, difference after 100,000 double strokes	<= 60 x 0.1 mm
Speed factor (n x dm)	approx. 1 000 000 mm/min
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 80 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11 mm <sup>2</sup> /s
Corrosion inhibiting properties of lubricating greases, based on DIN 51802, SKF-EMCOR, test duration: 1 week, 5 % NaCl solution	<= 3 corrosion degree
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
Noise test run: anerometer according KL-PN 035	<= 2/2
Oil separation, based on ASTM D 6184 [FTMS 791 C 321] after 30 h/150 °C	<= 3 % by weight
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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.

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