

Klübersynth J 44-402

Special synthetic grease for ball joints in chassis components



Your benefits at a glance

- Low breakaway and running torques even after 24 hours of inoperative position
 - avoidance of cracking and stick-slip noise
- Particularly low friction values
 - smooth running of joints even with high torsion
- Good low-temperature behaviour
 - consistent smooth operation

Your requirements - our solution

Klübersynth J 44-402 consists of fully synthetic base oil, lithium soap and additives increasing the ageing resistance and the corrosion protection of steel surfaces. Special additives increase adhesion on steel and plastic components, improve the dampening effect between the friction bodies and reduce the breakaway and running torques in ball joints. Klübersynth J 44-402 has been designed to reduce slick-slip and to keep friction values and the difference between static and dynamic friction as low as possible. The usual seal materials like chlorobutadiene rubber (CR) were taken into consideration when developing the grease. Prior to series application we recommend testing the compatibility with the elastomers and plastics used.

Application

Klübersynth J 44-402 is used for sealed joints in e.g. stabilizers, transverse links and wheel joints in the car industry. The grease has been tested in steel/POM pairings subject to oscillating tilting and slewing motions. Klübersynth J 44-402 was developed and tested in cooperation with renowned car manufacturers.

Application notes

Klübersynth J 44-402 can be applied by brush, spatula, grease gun, automatic metering systems and central lubrication systems.

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	Klübersynth J 44-402
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

Characteristics	Klübersynth J 44-402
Article number	004263
Composition, thickener	lithium soap
Composition, type of oil	synthetic hydrocarbon oil

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Characteristics	Klübersynth J 44-402
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	130 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm ³
NLGI grade, DIN 51818	2
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 360 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 185 °C
Water resistance, DIN 51807-1, 3 h, 90°C	1 - 90 rating
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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