

# Klüberpaste HM 96-402

Special paste for moving parts in drum and disc brakes



## Your benefits at a glance

- Prevents squeaking and creaking noises during brake operation
- EPDM compatible
- Resistant to washout

## Your requirements - our solution

Your customer places an ever increasing value on smooth and quiet handling. Klüberpaste 96-402 could therefore optimally support you by preventing the unwanted noises when operating the brakes. They are often produced in the brake pad guides, where the base plates of the pads are subject to very high loads and have to slide short distances. The specialist concept of the Klüberpaste HM 96-402 enables a targeted prevention of this noise. Additionally, the special paste fulfils the challenge to the highest possible water washout resistance whilst simultaneously providing EPDM compatibility. Across the "normal" temperature range up to approx. 160 °C, Klüberpaste HM 96-402 is a lubricating and assembly paste providing good adhesion on metals.

Under permanently higher temperatures up to 1200 °C, its solid lubricating particles remain in the friction contact and protect e.g. fits against tribocorrosion or fretting corrosion.

## Application

Pad guides of drum and disc brakes.

## Application notes

Klüberpaste HM 96-402 is easily applied manually to the point of lubrication using a brush or spatula. If you use automatic dosage systems, please be aware that products with a bentonite thickener as a base can suffer abrasive effects in the outlet nozzles and/or reducing valves. Applicable precautionary measures are to be discussed with the manufacturer of the dosage system.

## 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	Klüberpaste HM 96-402
Can 750 g	+
Bucket 30 kg	+

Characteristics	Klüberpaste HM 96-402
Article number	005133
Composition, solid lubricant	solid lubricant
Composition, type of oil	polyalkylenglycol
Colour space	grey
Service temperature, lower limit	-30 °C
Service temperature, upper limit	1200 °C
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm

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Characteristics	Klüberpaste HM 96-402
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 57 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 360 mm <sup>2</sup> /s
Copper corrosion, DIN 51811, 24 h, 100°C	2 - 100 - 24 corrosion degree
Four-ball tester, welding load, DIN 51350-4	≥ 2600 N
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.

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

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