

Klübersynth V 64-300

Synthetic lubricating grease for drinking water taps



Benefits for your application

- fully synthetic special lubricating grease for hot and cold water taps
- especially suitable for spindle heads containing NBR elastomers
- approved for drinking water applications
- complies with Euro standard DIN EN 200
- high load-carrying capacity and excellent wetting properties

Description

Klübersynth V 64-300 is a special lubricating grease based on a synthetic oil with a low content of silicone oil and an inorganic thickener.

This product complies with the recommendations pertaining to synthetic materials in contact with drinking water set forth by the German Health Authority. It has a high load-carrying capacity and excellent wetting properties.

With more than 500 000 load cycles at a closing force of 2.5 Nm, Klübersynth V 64-300 reveals its excellent lubricating properties on the test rig for head parts based on Euro standard DIN EN 200 (required endurance: 200 000 load cycles).

Klübersynth V 64-300 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 Klübersynth V 64-300 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klübersynth V 64-300 is suitable for the lubrication of all friction points subject to mechanical load in spindle heads containing NBR elastomers, check and control valves in hot water equipment, such as flow heaters, and in thermostatic valves with NBR seals used in radiators.

Compatibility with elastomers

Test period: 72 h

Test temperature: 95 °C

Material	Change in volume (%)	Change in weight (%)
70 NBR 150	-1	-1
85 NBR 151	-1	-1
60 NBR 152	+1	+1

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.



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Pack sizes	Klübersynth V 64-300
Can 1 kg	+
Bucket 25 kg	+

Product data	Klübersynth V 64-300
Article number	012146
NSF-H1 registration	144 017
Lower service temperature	-10 °C / 14 °F
Upper service temperature	100 °C / 212 °F
Colour space	brown
Texture	fibrous
Texture	homogeneous
Density at 20 °C	approx. 0.85 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	380 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	420 x 0.1 mm
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Shear viscosity at 25°C, shear rate 300 s ⁻¹ , equipment:rotational viscometer, upper limit value	20 000 mPas
Drop point, DIN ISO 2176	>= 220 °C
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.	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 80 years.

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