

Klübersynth AG 14-61

Light-coloured special lubricant for open drives



Your benefits at a glance

- Good pumpability and metering via centralised lubrication systems also at low temperatures
- High corrosion protection also when exposed to salt water
- Longer service life of girth gear/pinion drives due to good wear protection characteristics even under vibration conditions
- No contamination of machine environment due to use of white solid lubricants
- Low consumption due to excellent adhesion even at low temperatures

Your requirements - our solution

Klübersynth AG 14-61 has been especially designed for girth gear/pinion drives and plain bearings in wind turbines. The lubricant is resistant to high loads and provides very good corrosion protection properties. It can be used in a wide service temperature range and is therefore pumpable at temperatures as low as minus 30 °C. The grease offers good pressure and wear resistance and is free from inorganic solid lubricants like MoS₂ and graphite. Due to its good compatibility with commercial sealing materials Klübersynth AG 14-61 is suitable for wide ranging applications.

Application

Klübersynth AG 14-61 has been designed for girth gear/pinion drives and plain bearings in wind turbines. The lubricant is also suitable for low-speed rolling bearings, plain bearings, sliding and guide rails.

Application notes

Klübersynth AG 14-61 can be applied by means of brush, spatula, grease gun, grease metering gun, automatic low-quantity or standard metering systems, grease cartridge, and centralised lubrication systems. We recommend conducting a metering test in the original dosing device under practical operating conditions.

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

Product data	Klübersynth AG 14-61
Article number	017184
Chemical composition, thickener	aluminium complex soap
Chemical composition, type of oil	synthetic hydrocarbon oil
Solid lubricants, percentage	approx. 20 % by weight
Lower service temperature	-50 °C / -58 °F
Upper service temperature	120 °C / 248 °F
Colour space	white
Texture	homogeneous
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	330 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	360 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 65 mm ² /s



Klübersynth AG 14-61

Light-coloured special lubricant for open drives

Product data	Klübersynth AG 14-61
FZG scuffing test, based on DIN ISO 14635, A/2,76/room temperature, scuffing load stage	>= 12
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
Drop point, DIN ISO 2176, IP 396	>= 180 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
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.

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

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.