

# 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 MoS<sub>2</sub> 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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth AG 14-61
Cartridge 450 g	+
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Drum 200 kg	+

Characteristics	Klübersynth AG 14-61
Article number	017184
Composition	solid lubricant
Composition, thickener	aluminium complex soap
Composition, type of oil	synthetic hydrocarbon oil

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Characteristics	Klübersynth AG 14-61
Solid lubricants	approx. 20 % by weight
Colour space	white
Texture	homogeneous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	120 °C
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	330 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	360 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 65 mm²/s
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 170 °C
FZG scuffing test, DIN ISO 14635-3, based on standard, A / 2.8 / room temperature, failure load stage	≥ 12 mg/kWh
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 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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