

## RENK Longlife Grease product information

### Characteristics

RENK Longlife Grease is a special lubricant that is specially tailored to the requirements of the gear couplings, and is based on a mineral oil and a lithium polymer thickener. The high-quality additive package guarantees full lubricity even over long periods. The high-pressure additives of RENK Longlife Grease make it the ideal lubricant for couplings that are subject to high loads, even in the event of impact loads. The thixotropic structure ensures high drip resistance at standstill, even under unfavourable installation conditions.

RENK Longlife Grease corresponds to NLGI class 1. It is water-resistant and behaves neutrally compared to the installed gaskets.

### Long-term lubrication

RENK Longlife Grease extends the maintenance intervals of the gear couplings to 25,000 operating hours, or max. 5 years. This period corresponds to the intervals of the major overhaul in power plants and the regulations of the API.

### Product characteristics

Property	Specification	Characteristic value
Colour		blue
Base		Li + polymer thickener
Density at + 20°C	DIN 51757	0.9 g/cm <sup>3</sup>
Consistency class	DIN 51818	1
Worked penetration	DIN ISO 2137	310 – 340
Working stability	DIN ISO 2137	< 40 with 100,000 double strokes
Water resistance	DIN 51807-1	1
SKF Emcor	DIN 51802	0/0
Four ball test value	DIN 51350-4	> 2,000 N
Temperature operating range		-20°C to +90°C
Sealing characteristics		neutral against e.g. NBR
Dropping point	DIN ISO 2176	> 180°C
Flash point for base oil	DIN ISO 2592	> 210°C
Marking	DIN 51502	KP1 G-20
	ISO 6743-09	ISO-LXBBEB 1

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## Container sizes

RENK Longlife Grease is available in practical, easy-to-use cartridges, or in larger containers if required. You will find the filling date on the containers.

Available container sizes			
0.28 kg	Cartridge	4.5 kg	Can
1.0 kg	Can	18 kg	Hobbock

## Shelf life and storage conditions

In ideal storage conditions, a grease ages very slowly, in contrast to ageing in use. The indicated filling date is therefore a rough period for the optimal processability of the substance, in the event of unchanged performance.

We recommend a processing period of **48 months**.

Note the following when storing the lubricant:

- Use the closed original container.
- Avoid frost. Ideal storage temperature +10°C to + 20°C.
- Store the containers indoors in a dry, dust-free atmosphere.
- Avoid direct sunlight (UV light).

If stored for a long time, a small oil lake may form on the product. This is not unusual for greases and can be eliminated by stirring in. It is not a defect.

## Safety and environmental information

Information on safety and occupational safety can be found in the safety data sheet. You can access the data sheet by contacting the e-mail address given on page 1.

For disposal, observe the national regulations applicable at the place of use. Make sure that no lubricants get into the soil, the sewerage system or the ground water.

## Orders

Please contact the e-mail address on page 1 for enquiries or orders relating to RENK Longlife Grease.