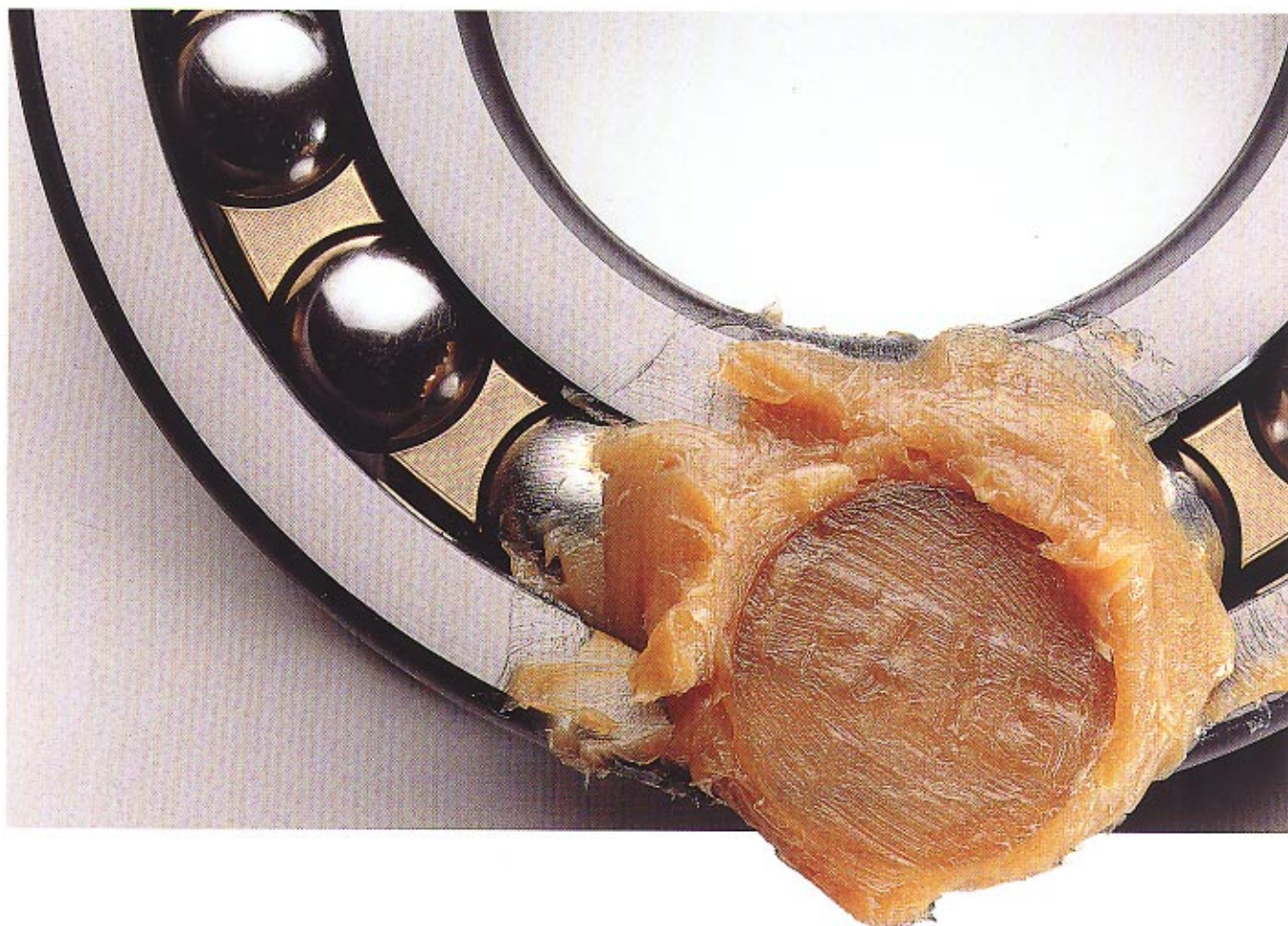


Arcanol

Rolling bearing-tested grease



arcanol



For a longer bearing life •
FAG rolling bearing grease

A grease has a long way to go until it may call itself Arcanol

arcanol

DIN 51 502

Thickener

Base oil viscosity at 40 °C (mm²/s)

Consistency (NLGI class)

Operating temperature range (°C)

Typical applications for Arcanol rolling bearing greases

Low temperatures

High temperatures

Low friction, high speed

High loads, low speeds

Vibrations

Sealing properties

Suitability for relubrication

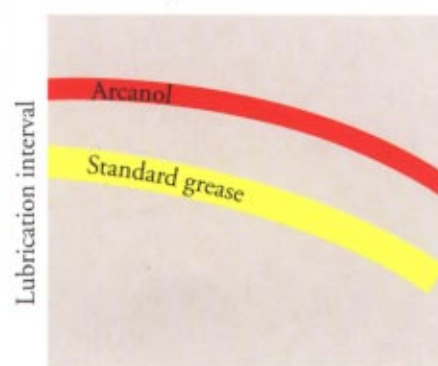
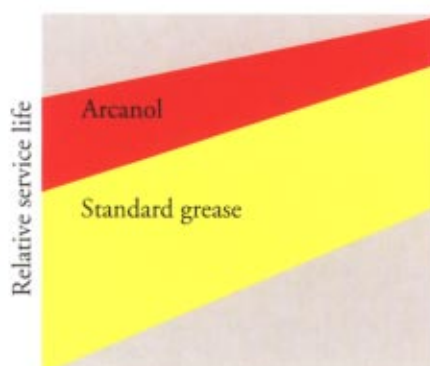
Special rolling bearing greases like Arcanol at first glance cost a little more than standard greases. But they are worth the price. For with Arcanol you buy some extra security as FAG selects only the best from a number of suitable greases in a series of tests, and gives quality assurance and specific lubricating recommendations for specific applications. Bearings which fail prematurely because they were lubricated with the wrong grease, with all the unpleasant and expensive consequences that go with it, increasingly belong to the past.

We long ago started to develop, in cooperation with renowned lubricant manufacturers, suitable rolling bearing lubricants. However, before any new grease is included in the Arcanol programme, it has to pass a series of tests in the FAG lubricant lab where all greases are put to the acid test. On our grease test rigs FE8 and FE9 the greases are tested in rolling bearings to find out how they improve service life and reduce friction and wear. Only the best greases are subjected to the following field tests in far more complicated rolling bearing test rigs. If the results meet the requirements of the stringent FAG specifications, the greases are included in the Arcanol programme.

In addition, we test every single batch to ensure the uniform quality of the product. Only after the grease has passed this final test it is allowed to be filled into tubes, cartridges, cans and buckets labelled Arcanol.

The programme consists of eight greases which cover nearly all fields of application optimally.

- More than 80 % of all rolling bearings are grease-lubricated.
- More than 40 % of all cases of rolling bearing damage are caused by inadequate lubrication.
- Therefore users need lubricants and lubricating recommendations which they can rely on.
- Arcanol rolling bearing greases ensure that a bearing can be used to its full capacity
 - long service life
 - good running behaviour
 - very safe operation



Mixed friction

Speed

L78V	L71V	L135V	L186V	L223V	L74V	L12V	L79V
K2K-30	K3N-30	KP2N-40	KP2K-20	KP2N-10	KE2K-40	K2P-30	KFK2U-30
Lithium soap	Lithium soap	Lithium soap with EP additives	Lithium soap with EP additives	Lithium soap with EP additives	Special soap	Polyurea	Synthetic
100	100	85	490	1 200	23	115	390
2	3	2	2	2	2	2	2
-30..+130	-30..+140	-40..+150	-20..+140	-10..+140	-40..+130	-30..+175	-30..+270
Standard grease for smaller bearings $\varnothing D \leq 62$ mm in -small electric motors -agricultural and construction machinery -household appliances	Standard grease for larger bearings $\varnothing D > 62$ mm in -large electric motors -wheel bearings for motor vehicles -ventilators	Special grease for bearings in -rolling mills -construction machinery -motor vehicles -rail vehicles -spinning and grinding spindles at -high speeds -high loads -high temperatures	Special grease for bearings in -mining machinery -construction machinery -machines with oscillating movements at -extremely high loads -medium speeds -medium temperatures	Special grease for bearings in -machines like those listed under L186V, particularly for impact loads and large bearings at -extremely high loads -low speeds	Special grease for bearings in -machine tools -spindle bearings -instruments at -high speeds -low temperatures	Special grease for bearings in -couplings -electric motors -generators at -high temperatures	Special grease for bearings in -track rollers in bakery machines -gudgeon pins in compressors -kiln trucks -chemical plants at -extremely high temperatures -chemically aggressive environment
●	●	●	○	○	●	●	●
●	●	●	●	●	●	●	●
●	●	●	○	○	●	●	○
●	●	●	●	●	○	●	●
●	●	●	●	●	○	●	○
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●

Suitability of the greases for different requirements in operation. The grease is suitable for:

● very stringent requirements ● stringent requirements ○ moderate requirements

Quantities as they are needed in field work

arcanol

	70 g Tube	250 g Tube	400 g Cartridge	1 kg Can	5 kg Bucket	10 kg Bucket	175/180 kg Barrel
L78V		✓	✓	✓	✓	✓	✓
L71V			✓	✓	✓	✓	✓
L135V			✓	✓	✓		✓
L186V			✓		✓	✓	✓
L223V					✓		✓
L74V		✓		✓			
L12V				✓	✓		✓
L79V	✓			✓			

FAG Kugelfischer Georg Schäfer AG



Every care has been taken to ensure the correctness of the information contained in this brochure but no liability can be accepted for any errors or omissions. We reserve the right to make changes in the interest of technical progress.



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