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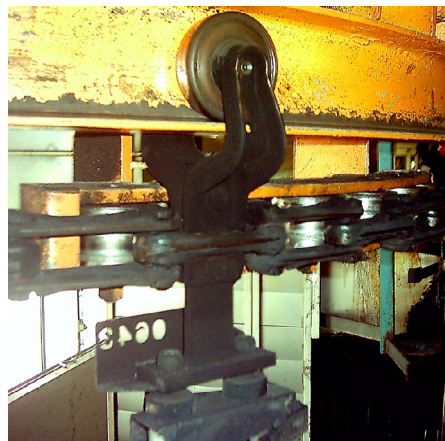
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## Highest temperature greases resistant against aggressive mediums



Rivolta S.K.D. 5001 / 5002 are special fully synthetic greases based on a fluorine oil and a special thickener. This combination gives a thermal stability to our products superior to conventional high temperature greases. With this our products lubricate even up to the temperature limit for lubricants (250°C).

The inert base oil guarantees full lubrication even when aggressive mediums are present.

Rivolta S.K.D. 5001 / 5002 are qualified for the lubrication of roller and plain bearings as well as of other sliding surfaces.

### The property

- operative temperature range from -20°C up to +260°C
- penetration-stable, aging-resistance
- resistance against
  - water
  - steam
  - solvents
  - lyes
  - acids
- low evaporation loss
- physiologically harmless, registered by NSF as a H1-lubricant

### will give the following benefits

- especially for high operative temperatures you can achieve a very long duration of our lubricants. Frequent lubrications can be omitted.
- ideal for long-term use in closed systems, reduced maintenance because of extended service intervals, reduced labour costs.
- qualified for use when aggressive mediums are present. Even at extreme conditions you will get a long lubricant service life. The life-time of your units will be extended. Excellent protection against corrosion.
- low consumption of lubricant, the characteristics of our product will be kept during a long period. So the operativeness of your facility will be guaranteed.
- the strict demands to food hygiene will be kept. An oil leakage must not be followed by production stop. Demands of a quality assurance system will be fulfilled.

**Rivolta S.K.D. 5001 / 5002**  
**the lubricants for extreme conditions**



## Highest temperature greases resistant against aggressive mediums

Fully synthetic greases based on fluorine oil			Colour: white		Odour: odourless
Technical data	Unit of measurement	Norm	S.K.D. 5001	S.K.D. 5002	
Density	g/ml	DIN 51757	1.96	1.9	
Viscosity of base oil at 40°C	mm <sup>2</sup> /s	DIN 51562/1	510	500	
NLGI-grade	-	DIN 51818	1	2	
Worked penetration	1/10 mm	DIN ISO 2137	310-340	265-295	
ΔPW 100,000 Decrease of worked penetration after 100,000 double cycles	1/10 mm	-	< 20	< 20	
Operative temperature range	°C	-	-25 to +260	-20 to +260	
Dropping point	°C	DIN ISO 2176	none	none	
Corrosion prevention against steel (SKF-Emcor)	corr.-grade	DIN 51802	0 / 0	0 / 0	
Corrosion effect on copper	corr.-grade	DIN 51811	1 at 200°C	1 at 200°C	
Oil separation at 200°C	%	DIN 51817	< 5	< 3	
Behaviour against water 5 d/RT	-	DIN 51807/1	0	0	
S.R.V.-Test*		DIN 51834			
Friction coefficient μ	-		0.14	0.14	
Wear rate ball	mm		0.5	0.53	
Wear rate disc	μm		2	1.9	

\* Swing friction wear tester, T = 125°C, loading rises from F = 50 N up to F = 200 N during 2 hours

### Applications

- **lubrication of roller and plain bearings at high temperatures e.g.:**
  - bearings in electromotors, fans and compressors;
  - roller bearings in calenders or coating machines;
  - guide rollers of transport chains of textile machines
  - impellers in ovens or autoclave carts
  - guiding and deflection rollers at conveyors, baking automats and drying stoves
- **bearings and guides when aggressive mediums are present e.g. in the:**
  - chemical industry
  - galvanic industry
  - metal-working industry
- **lubrication of plastics and sealing materials**
- **for the lubrication in the oxygen area there is a BAM-approval for S.K.D . 5002**

### Compatibility

Rivolta S.K.D. 5001 / 5002 are not mixable with products based on mineral oil. You can get more information about the use by contacting our department of technical support.

### Preparing of lubrication point

Before using Rivolta S.K.D. 5002 clean lubrication point thoroughly. The high technical qualities of our product are only obtainable when using it on clean metal surfaces.

This text contains facts and statements and is determined with our best knowledge and will be checked continuously. These statements are depending - among other reasons - on experiences gained in the industry. We only pass them on without liability. Before using our products you should test the applicability and you should convince yourself about the satisfactory performance. Our application examples and suggestions should not request to violate patent rights.