Rivolta

S.K.D. 3501

B&L

High-speed grease

RIVOLTA S.K.D. 3501 is a fully synthetic high-speed grease based upon a metal soap framework in which a synthetic ester oil is built in. In addition to this our product contains additives to improve oxidation stability, wear and corrosion protection.

Because of its very low dynamic friction RIVOLTA S.K.D. 3501 is used for bearings of all kind characterized by a high number of revolutions. Furthermore our product excels by a very good low-temperature behaviour. Even at extremely low temperatures our product maintains its suppleness.

The property	**will give the following benefits**
• **suitable for very high revolutions speed factor: 10^6 mm/min**	• the functional reliability also of very fast running bearings is ensured, the bearing temperature remains low, with that service intervals are extended.
• **operative temperature range - 60°C up to + 120°C**	• qualified for use in changing surrounding conditions because of the wide operative temperature range.
• **pumpability**	• because of the favourable flow-pressure characteristic also well pumpable at very low temperatures in automatic centralized lubricating systems.
• **oxidation stability**	• the use of a highly aging resistant synthetic base oil combined with a system of best coordinated additives allows very extended relubrication intervals.
• **no classification necessary according to the German hazardous substances ordinance**	• S.K.D. 3501 stands for a maximum of personal protection. The appropriate use of S.K.D. 3501 does not create any risks for the workers' health.

**Rivolta S.K.D. 3501, the fully synthetic high performance grease
for fast running systems and low temperatures**

High-speed grease

Rivolta® S.K.D. 3501

Fully synthetic lubricating grease based on a metal soap and a synthetic ester oil. Contains additives to improve the oxidation stability, the corrosion and wear protection.

Colour: light grey Odour: mild, product specific

Technical data	Unit of measurement	Norm	S.K.D. 3501
Density	g/ml	DIN 51757	1.0
Viscosity of base oil at 40°C	mm²/s	DIN 51562/1	15
Viscosity of base oil at 100°C	mm²/s	DIN 51562/1	5.5
NLGI-grade	-	DIN 51818	1 to 2
Worked penetration	1/10 mm	DIN ISO 2137	280-310
ΔPW 100,000 **Decrease of worked penetration after 100,000 double cycles**	1/10 mm		<30
Operative temperature range	°C		-60 up to +120
Dropping point	°C	DIN ISO 2176	>190
Corrosion protection to steel (SKF-Emcor)	corr.-grade	DIN 51802	0 / 0
Corrosion effect on copper	corr.-grade	DIN 51811	1 at 100
Water resistance	rating level	DIN 51807/1	1-90
Speed factor	mm/min		10^6
Oil separation	%	DIN 51817	< 3
Flow pressure	kPa kPa kPa	DIN 51805	< 250 at -20°C < 450 at -40°C < 1100 at -60°C
S.R.V.-Test[*] **Friction coefficient μ** **Wear rate ball** **disc**	- mm μm	DIN 51834	0.12 0.50 < 2

[*] Swing wear test, T=100°C, F=200N, 100,000 load changes

Application areas:

- high-speed grease for fast running roller and plain bearings of all kind, such as e.g.
  - spindle bearings at machine tools, textile machines etc.
  - precision bearings
  - electric motor bearings
- for the lubrication of bolts, joints, cam discs, sliding spots, electric contacts
- low-temperature grease for bearings and guideways

Compatibility:

- Rivolta S.K.D. 3501 is not aggressive to common metals, plastics and lacquers. It is compatible with seals resistant to mineral oils. Do not mix with other products.

Preparation of lubricating point:

- Remove all dirt and old residues as good as possible