

S.K.D. 3802 / 3817

Biodegradable multi-purpose lubricants



The benefits at a glance

- ✓ Fully synthetic
- ✓ Outstanding environmental friendliness
- ✓ Ageing-resistant, no resinification and gumming
- ✓ High performance
- ✓ Very good water resistance
- ✓ Good feedability in central lubricating systems
- ✓ Reduces friction and wear as well as the consumption of energy
- ✓ Wide operative temperature range
- ✓ Good corrosion inhibiting properties



Property

Rivolta S.K.D. 3802 and **S.K.D. 3817** are fully synthetic multi-purpose greases for application fields in ecologically sensitive areas. **S.K.D. 3802 / 3817** contain biodegradable synthetic oils and additives to improve the ageing stability, the corrosion prevention as well as the lubricating properties. The life-time of loaded components will be increased, the energy consumption will be reduced.

Fields of application

- **Bearings:** To lubricate roller and plain bearings of all kinds
- **Slideways, guide rails**
- **Bolts, levers, joints**
- **Gear wheels, gear rims, racks**

| | |
|---------------|---------------|
| Form | pasty |
| Colour | beige, opaque |
| Odour | mild |

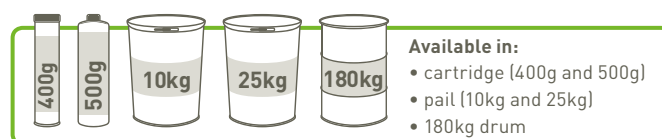
Rivolta S.K.D. 3802 / 3817 are especially suitable for use where an endangering of a stretch of water or earth because of a lubricant loss cannot be excluded.

Material compatibility

Rivolta S.K.D. 3802 / 3817 do not attack common metals, plastics, lacquers and seals which are resistant to mineral oil. The products should **not** be mixed with other greases.

Preparation of the lubricating point

Please remove contaminations and old residues as far as possible.



| | Value | | Norm |
|--|--------------------------------------|--------------------------------------|---|
| | S.K.D. 3802 | S.K.D. 3817 | |
| Density at +15 °C | 0,91 g/ml | 0,92 g/ml | DIN 51757 |
| Viscosity of base oil at +40 °C | 100 mm²/s | | DIN 51562-1 |
| Dropping point | > +190 °C | | DIN ISO 2176 |
| Worked penetration | 265–295 1/10 mm | 310–340 1/10 mm | DIN ISO 2137 |
| ΔPW 100,000 Decrease of worked penetration after 100,000 double cycles | < 20 1/10 mm | | - |
| NLGI grade | 2 | 1 | DIN 51818 |
| Operative temperature range | -40 ° C up to +130 °C | -55 °C up to +100 °C | - |
| S.R.V.-Test (T=+100 °C, F=200 N 500,000 load changes) | | | |
| Friction coefficient | 0,10 | 0,12 | DIN 51834 |
| Wear rate | | | |
| Ball | | | |
| Disc | 0,50 mm < 1,50 µm | 0,53 mm < 1,55 µm | |
| Flow pressure | 11 kPa at +20 °C 45 kPa at -20 °C | 10 kPa at +20 °C 50 kPa at -30 °C | DIN 51805 |
| Oil separation at +40 °C | < 1% after 18 h | | DIN 51817 |
| Corrosion protection to steel (SKF-Emcor) | 0–0 corr.-grade | | DIN 51802 |
| Corrosion effect on copper | 1a | | DIN 51811 |
| Ecological data | | | |
| Water hazard class | WGK 1 | | according to German Water Hazard Classification |
| Bakteria toxicity | 10,0 g/l | | DIN 38412 T27 |
| Fish toxicity | 3,0 g/l | 3,2 g/l | DIN EN ISO 7346 |
| Mammal toxicity | > 5000 mg/kg | | (OECD Guidelines No. 401) |