



High pressure - high performance grease

Rivolta S.K.D. 3602 is an extremely pressure-stable and water-resistant semi-synthetic grease for lubricating modern crown gear drives.

A new additive-system in combination with a special organic thickener enables lubricating high pressure loaded systems without solid lubricants while using Rivolta S.K.D. 3602. This new technology is distinguished by its optimal pressure stability. Friction and wear will be reduced drastically.



SHANGHAI PING YIAO TRADING CO.,LTD.

Tel: 86-21-64705533

Fax: 86-21-64820538

24H: 86-15900706965

Website: www.pingyiao.com

E-mail: info@pingyiao.com

The property

will give the following benefits

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| <ul style="list-style-type: none">• organic thickener, additive technologie of the fourth generation, high base oil viscosity | <ul style="list-style-type: none">• optimal pressure stability by setting up an elastic-hydrodynamic lubricant film, very good friction and wear characteristics, shocks and vibrations will be absorbed, life-time of lubricated components will be extended and the expenses for maintenance and repair will be reduced. |
| <ul style="list-style-type: none">• extremely adhesive stability | <ul style="list-style-type: none">• displacement out off the friction point will be prevented by Rivolta S.K.D. 3602. Lubricating intervals will be extended. |
| <ul style="list-style-type: none">• high water-resistance | <ul style="list-style-type: none">• in case that components are exposed to weather-influence (e.g. wet atmosphere) lubricant will not be washed off. The functionality of components will be preserved. |
| <ul style="list-style-type: none">• operative temperature range from -30°C up to +140°C | <ul style="list-style-type: none">• qualified for use in a wide temperature range, optimal at low and very high temperatures with constant good lubrication properties. |
| <ul style="list-style-type: none">• good corrosion protection | <ul style="list-style-type: none">• effective protection by the lubricant against corrosive attack which results in an enhancement of components life-time |
| <ul style="list-style-type: none">• no classification necessary according to the German hazardous substances ordinance | <ul style="list-style-type: none">• Rivolta S.K.D. 3602 stands for a maximum of personal protection. The appropriate use of Rivolta S.K.D. 3602 does not create any risks for the workers' health. |

**Rivolta S.K.D. 3602, the high pressure grease free of solid lubricants
for high loaded crown gear drives**



High pressure - high performance grease

High performance semi-synthetic grease, containing chemical acting additives for the improvement of adhesive-, oxidation- and ageing- properties and corrosion- and wear-protection additives. Colour: brownish Odour: neutral			
Technical data	Unit of measurement	Norm	S.K.D. 3602
Density	g/ml	DIN 51757	0.950
Viscosity of base oil at 40°C	mm ² /s	DIN 51562/1	500
NLGI-grade	-	DIN 51818	2
Worked penetration	1/10 mm	DIN ISO 2137	265-295
ΔPW 100,000 Decreased of worked penetration after 100,000 double cycles	1/10 mm		<20
Operative temperature range	°C		-30/+140
Dropping point	°C	DIN ISO 2176	>180
Corrosion protection to steel (SKF-Emcor)	corr.-grade	DIN 51802	0 / 0
Corrosion effect on copper	corr.-grade	DIN 51811	1 at 100
Oil separation at 40°C	%	DIN 51817	<1 after 18h
S.R.V.-test		DIN 51834	
Friction coefficient μ	-		0.060
Wear rate ball	mm		0.50
Wear rate disc	μm		<1.00

Preparing of lubrication point

Clean lubrication point before using Rivolta S.K.D. 3602. Make sure that an adhesive surface is given.

Processing

- **spray can:** spray the lubricant from a distance of 15 to 20 cm uniformly on the friction point, after 10 minutes an adhesive fully carrying lubrication film will be formed.
- **in bulk ware:** apply uniformly equally with a spatula or a hard brush, take care that no dirt will be dragged in. You can get further information about the use in automatic lubricating systems by contacting our department of technical support.

Applications

- **rolling and plain bearings** slow up to medium fast running bearings at high mechanical load, as e.g. bearings for crushing machines, vibrators, lime crushers, exhaust or circulation fans, fan shafts and axles.
- **crown gear drives** start up and long-term lubricant for high loaded crown gear drives, as e.g. crushing machines, lime crushers, drum type furnaces, tube mills, diggers and cranes.
- **bolts, levers, joints** at high mechanical load and strong influence of weather, e.g. at diggers, cranes, sluices, purification plants, harbour plants.
- **other applications** acts as mounting grease against tribocorrosion and serves as seal grease for grease labyrinths.

Compatibility:

Rivolta S.K.D. 3602 is not aggressive to common metals, paints and plastics. It is compatible with seals resistant to mineral oil. Do not mix with other greases.

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.