

ISOFLEX SUPER TEL

Spindle bearing grease



Description

ISOFLEX SUPER TEL has been designed as bearing grease for very high speeds. It is a dynamically extremely light low-temperature grease based on ester oil, mineral oil and lithium soap. The special formulation of ISOFLEX SUPER TEL allows low and uniform starting and running torques of the lubricated friction points.

Application

ISOFLEX SUPER TEL is mainly used for high-speed grinding and work spindles in machine tools placing high requirements on smooth running. The low start-up friction has a very positive effect on the torque and reduces power consumption. The low dynamic resistance of this grease when being worked reduces bearing temperatures and allows high speeds. The product can be used for rolling and plain bearings as well as for spindles subject to high speeds, like in textile and metalworking machines.

Application notes

ISOFLEX SUPER TEL can be applied by brush, spatula or similar metering systems to the clean lube point. Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series applications.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry frost-free place.

Pack sizes

1 kg can
25 kg bucket
50 g tube

ISOFLEX SUPER TEL

- Lubricating grease for high-speed spindle bearings
- Ensures clean lube points
- Long maintenance intervals
- Good lubricating effect under humid conditions
- Oxidation protection
- Corrosion protection

Product data

Oil type	mineral oil, ester oil
Thickener	lithium soap
Service temperature range* [°C]	-55 to 60
Color	beige
Texture	homogeneous, short-fibred
Cone penetration, DIN ISO 2137, worked penetration, 25 °C [0.1 mm]	320 - 340
Drop point, DIN ISO 2176 [°C]	≥180
Density at 20 °C [g/cm ³], approx.	0.88
Speed factor (n x dm) [mm/min] **, approx.	1300000

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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