ISOFLEX SUPER LDS 18

High-speed and smooth-running grease

Your benefits at a glance

- Low running torque enables energy savings, particularly at low temperatures
- Smooth-running grease for high performance
- Long service life due to good corrosion protection and ageing stability, hence cost savings possible
- Low heating-up of bearings due to low lubricant friction leading to longer service lives

Your requirements - our solution

ISOFLEX SUPER LDS 18 is a low-noise, high-speed grease for plain and rolling bearings. It consists of ester oil, mineral oil and lithium soap. It protects against corrosion and is resistant to ageing and oxidation.

Application

ISOFLEX SUPER LDS 18 is suitable for plain and rolling bearings, small, miniature and precision bearings, for precision mechanical and optical equipment and low-temperature applications.

It can also be used as an anti-corrosion and anti-wear lubricant in electrical contacts.

Properly applied, ISOFLEX SUPER LDS 18 protects against corrosion, improves sliding properties and reduces wear, e.g. in sliding contacts and potentiometers.

Application notes

The lubricant is applied by brush, spatula, or grease gun. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before series application.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	ISOFLEX SUPER LDS 18
Cartrigde 370 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	ISOFLEX SUPER LDS 18
Article number	004024
Composition, thickener	lithium soap
Composition, type of oil	ester oil , mineral oil
Colour space	yellow
Texture	homogeneous , short fibrous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	120 °C

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Characteristics	ISOFLEX SUPER LDS 18
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, lower limit	2000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, upper limit	3400 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 3.5 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 15.5 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	0 corrosion degree
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 190 °C
Speed factor (n x dm)	1000000 mm/min
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.