

ISOFLEX LDS 18 SPECIAL A UV

Dynamically light long-term lubricating grease

Your benefits at a glance

- Long service life due to good corrosion protection and resistance to ageing and oxidation enabling cost savings
- Tried and tested over many years, especially at high speeds and low temperatures
- Low internal friction of the lubricant for low internally generated heat in the bearing and increased service life

Your requirements - our solution

ISOFLEX LDS 18 SPECIAL A/UV is a dynamically light long-term grease for rolling and plain bearings. It is based on mineral oil, ester oil and a lithium soap. Crucial performance characteristics are ageing and oxidation resistance, corrosion protection and good resistance to water. ISOFLEX LDS 18 SPECIAL A/UV contains a UV indicator for reliable lubricant film detection in the event of minimum quantity lubrication.

Application

Tried and tested for rolling and plain bearings running under low temperatures and/or high speeds. For many years, ISOFLEX LDS 18 SPECIAL A/UV has been used in starter motors and seat belt retractors in cars.

Application notes

ISOFLEX LDS 18 SPECIAL A/UV can be applied by brush, spatula, grease gun or grease cartridge. Owing to the many different compositions of elastomers and plastics, we recommend checking their compatibility prior to 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 LDS 18 SPECIAL A/UV
Bucket 5 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	ISOFLEX LDS 18 SPECIAL A/UV
Article number	004176
Chemical composition	UV additive
Chemical composition, thickener	lithium soap
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	mineral oil
Upper service temperature	approx. 120 °C / 248 °F
Lower service temperature	approx. -50 °C / -58 °F
Colour space	yellow
Texture	homogeneous
Texture	short-fibred
Density at 20 °C	approx. 0.88 g/cm ³
NLGI grade, DIN 51818	2

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Product data	ISOFLEX LDS 18 SPECIAL A/UV
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 15 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 3.5 mm ² /s
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 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication 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 field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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