

LAMORA D oils

Lubricating oils for slideways and guideways



Benefits for your application

- **Good demulsification properties as compared to cooling lubricants**
- **No stick slip**
- **Suitable for plastic coated slideways and guideways**
- **Good wetting properties**
- **Good load-carrying capacity**

Description

LAMORA D slideway oils stand out for their excellent lubricity at low sliding speeds. They prevent stick slip and have a good wetting and load-carrying capacity. They have proven particularly effective on plastic-coated slideways.

Tests carried out by Messrs. Hans Schmidt Gleittechnik GmbH & Co., 96472 Rödental, Germany, have shown that the performance of these oils with respect to friction coefficients and demulsification properties is good or very good as compared to conventional coolants.

Application

LAMORA D oils are used for the lubrication of slideways and guideways in modern machining centres, milling machines, lathes and other machine tools.

Application notes

Application by oil feeder or via a centralised lubrication system.

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 | LAMORA D 68 | LAMORA D 220 |
|---------------|-------------|--------------|
| Canister 20 l | - | + |
| Drum 200 l | + | + |



LAMORA D oils

Lubricating oils for slideways and guideways

| Product data | LAMORA D 68 | LAMORA D 220 |
|--|--------------------------------|---------------------------------|
| Article number | 030142 | 030143 |
| ISO viscosity grade, DIN ISO 3448 | 68 | 220 |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C | approx. 8.5 mm ² /s | approx. 17.5 mm ² /s |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C | approx. 68 mm ² /s | approx. 220 mm ² /s |
| Viscosity index, DIN ISO 2909 | approx. 96 | approx. 90 |
| Density, DIN 51757, 20 °C | approx. 0.89 g/cm ³ | approx. 0.9 g/cm ³ |
| FZG scuffing test, DIN ISO 14635-1, A/8.3/90, scuffing load stage | > 12 | > 12 |
| Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus | >= 200 °C | >= 220 °C |
| Pour point, DIN ISO 3016 | <= -20 °C | <= -15 °C |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 36 months | 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.

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

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.



a company of the Freudenberg Group