

Lubrication Instructions Lead Screws

General

Regular lubrication is essential to ensure functionality and longevity of the lead screw.

Lubrication should be carried out according to usage and regularly monitored and adjusted to requirements.

Due to continual movement of the spindle shaft, grease is lost and must be re-applied at regular intervals.

We generally recommend central lubrication. Should this not be possible, manual lubrication is necessary.

Installation

Trapezoidal thread drives must be carefully aligned during installation. Should measuring equipment not be available, the screw drive should be turned through its entire length by hand before the drive unit is attached.

Variations in the amount of force required and / or marks on the external diameter of the screw indicate alignment errors between the spindle axis and guide.

In this case, the relevant mounting bolts must be loosened and the screw jack turned through by hand again.

If the amount of force required is now consistent throughout, the appropriate components must be aligned. If not, the alignment error must be located by loosening additional mounting bolts.

Lubrication

Standard lubrication of lead screws on delivery is with slideway oil DIN 51517 SGLP or Cincinnati P47/P50.

Before using any other suitable oil or grease, thoroughly clean the spindle before application.

The user is to ensure sufficient lubrication. The lubrication film must not be allowed to break.

Relubrication

Visually check lead screws and bearings for contamination and damage before scheduled relubrication. Any contamination or damage must be resolved before lubrication.

Clean the spindle with a clean, lint-free cloth.

Allow the spindle to turn until no more old, contaminated oil comes out of the nut. Should significant contamination or damage be observed, measures should be taken to prevent it in future.

Dried grease or larger quantities of dirt can be removed with paraffin, petroleum ether or a thin oil. Re-oil immediately after cleaning to prevent corrosion.

Apply the oil / grease evenly to the spindle using a fine brush.

Questions

For any other questions, our technical team (construction) will be pleased to help.

Lubrication instructions and data sheets regarding greases / oils used can be obtained from our technical team.