

## **Technical Information September 2019**

### Lubrication for ball screws

#### Improved initial lubrication of ball screws

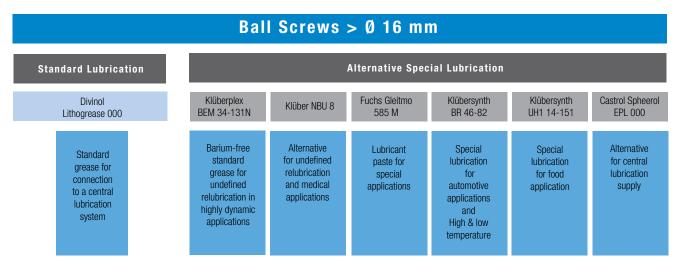
The initial lubrication of ball screws serves to ensure the supply of lubricant until the introduction of central lubrication or manual relubrication.

Steinmeyer Albstadt improves the process reliability of the initial lubrication of ball screws through partial automation as part of product development.

#### **Benefits:**

- Process-safe application of grease for initial lubrication
- More even grease distribution in the nut
- Optimized grease quantities depending on the size of the ball screws

For ball screws, the lubricant supply must be matched to the wipers or seals on the nut. When selecting the right grease for initial lubrication, not only the environmental conditions but also the operating conditions play a role. The selection of an unsuitable initial lubricant can lead to noticeable losses in the service life of the ball screw - for this reason, Steinmeyer generally converts the initial lubrication to our proven and standardized lubricants.



**Divinol Lithogrease 000** is the new standard in ball screws for axes in mechanical engineering applications equipped with a central lubrication system. Our standard fluid grease is evenly distributed in the nut and is compatible with all common operating lubricants (fluid grease or slideway / gear oil used by the customer).

**Rolling bearing greases** Alternatively for ball screws special rolling bearing greases are used for equipment construction. Above all if no defined relubrication is carried out, it is very important that the quantity of grease applied during the initial greasing process is sufficient for a longest possible service life - without the need for the friction torque of the ball screw to increase too much.

# Special grease for high temperature or vacuum applications

Steinmeyer also offers a range of synthetic lubricant solutions for such applications. Particular care is taken to ensure that the pre-lubricant is also cleaning and conservation process is optimal is designed to do that.

Talk to us about our verified lubricants - we will be pleased to advise you.