

Focus on Service Life

Many factors influence the service life of a ball screw. In addition to load and speed, lubrication, the installation configuration, and the specific operating conditions also play an important role. We understand the key factors and take them into account right from the design phase when selecting the appropriate components. We consider both the technical requirements and the conditions under which the system will be used. The result is a ball screw drive that operates reliably and is optimally tailored to the specific application.



Factors that affect service life.



Load

Forces, rotational speeds, and load cycles determine the stress on the component.



Lubrication

Proper lubrication reduces friction and wear.



Contamination

Particles and foreign matter can damage raceways and balls.



Installation & Alignment

Proper installation and precise alignment prevent unwanted additional loads.

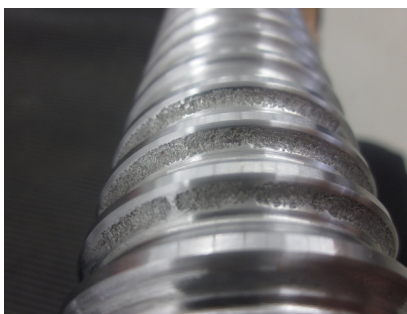


Design

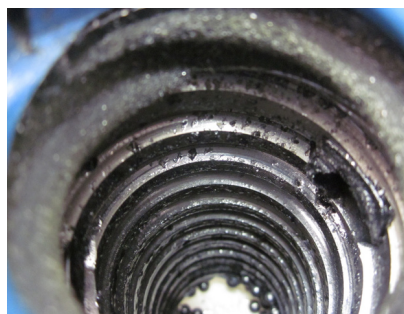
The dimensions, preload, and design must be appropriate for the application.

When loading leaves marks.

Pitting



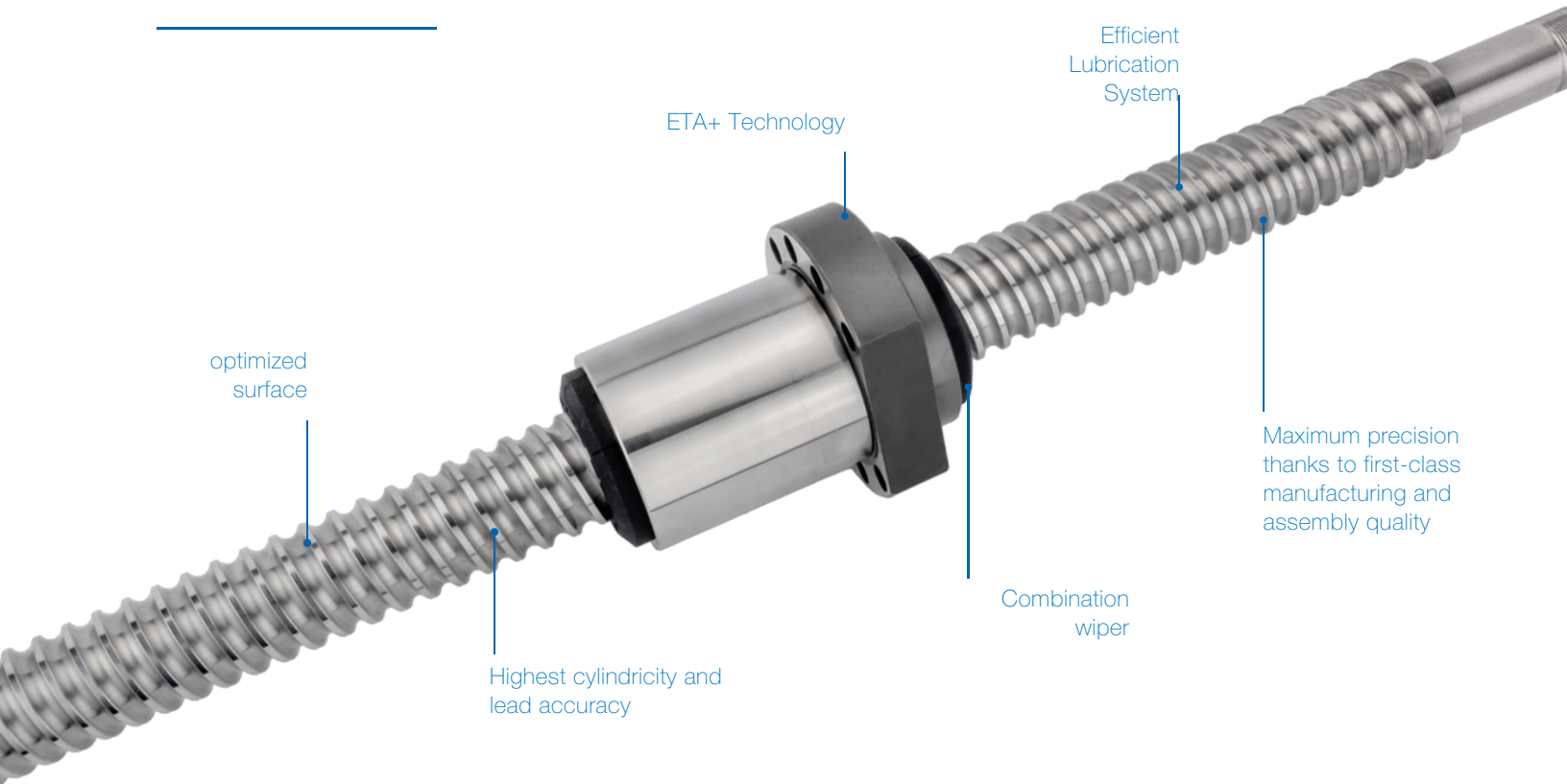
Contamination



Wear



The right solution for a long service life.



We are Steinmeyer

The Steinmeyer Group brings together three centers of expertise: drive technology, positioning technology, and precision metrology.

We are a global company with more than 600 employees worldwide. From the very beginning, we work closely with our customers, supporting them with our expertise in development and manufacturing as a reliable partner.

We offer a comprehensive range of services, from development and prototyping through to series production.

