

# The Zimm USA Partnership

**ZIMM** USA  
by **DIEQUA**



ZIMM USA  
Bloomindale, Illinois



ZIMM GmbH  
Austria



DieQua Corporation, established in 1980, is a trusted manufacturer and supplier of premium-quality power transmission and motion control components, providing engineered solutions for applications having demanding requirements and designs.

Zimm Screw Jack Systems, established in 1977, is a world renowned manufacturer and supplier of highly engineered, quality screw jacks. DieQua and Zimm's partnership goes back to 1998. Some 20 years later it was decided to give it the name of Zimm USA by DieQua, wherein DieQua provides all the support for North America.

Through the years, Zimm has completely revolutionized the common screw jack, creating a state-of-the-art design with a building-block concept, featuring a wide selection of sizes, configurations, safety, and motion control options. Whether it's for lifting, holding, pushing, pulling or positioning, DieQua has a Zimm screw jack solution for the application.

## PROVIDED BY ZIMM USA

- Engineering assistance
- Customer service
- Technical support
- Design team experience
- Inside and outside sales Support
- Manufacturing
- Assembly

## PRODUCT OVERVIEW

- Precision machine and ball screw spindles
- Standing and Rotating versions
- Multiple spindle end connections
- Multiple driving nut designs
- Modular housing design for mounting flexibility
- Separated gearbox and spindle lubrication systems
- Multiple safety and protection options
- Motion control options
- Full range of accessories for configuration flexibility

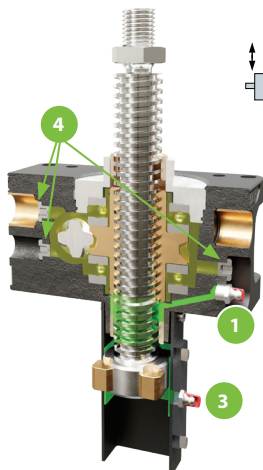
## Innovative – Lubrication Advantage

### Separate sealed gearbox and spindle lubrication system benefits:

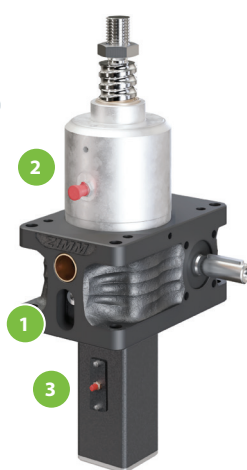
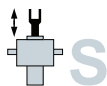
- Separate spindle cavity allows for optimal spindle grease
- Separate gearbox cavity allows for optimal gearbox grease or oil
- No cross-contamination between lubricants
- Easy to maintain with no disassembly
- Easily accessible lubrication ports

### Lubrication ports:

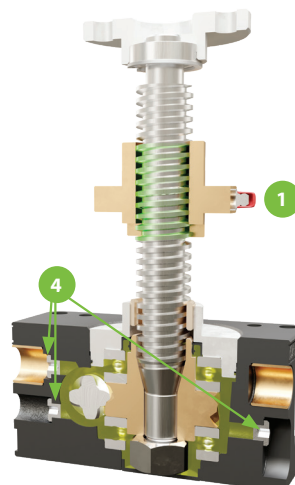
- 1 Trapezoidal spindle grease port
- 2 Ball screw spindle grease port
- 3 Translating version anti-escape/anti-rotation grease ports
- 4 Gearbox grease ports



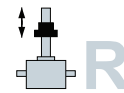
Trapezoidal screw (Tr)



Ball screw (KGT)

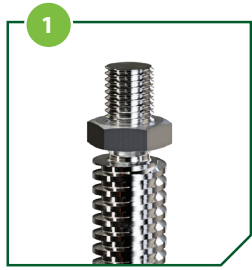


Trapezoidal screw (Tr)

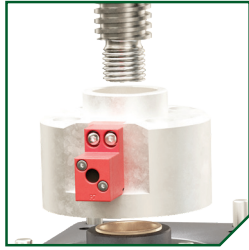


Ball screw (KGT)

# Product Features



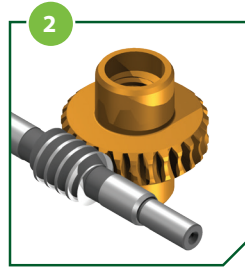
Trapezoidal screw  
(Tr)



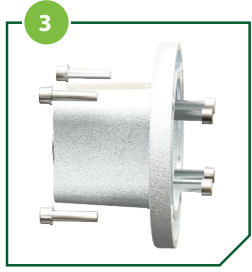
Safety nut  
SIFA (Tr)



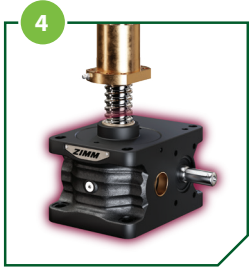
Ball screw  
(KGT)



High-performance  
hardened and ground  
gears



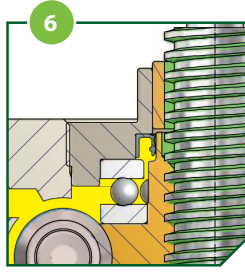
Standard motor flange



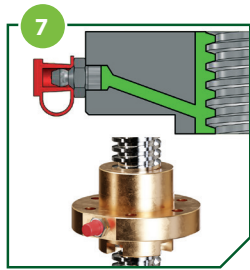
Corrosion resistant



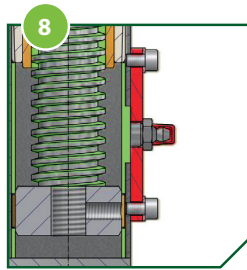
Integrated pivot bearing



Separate and sealed  
gearbox lubrication



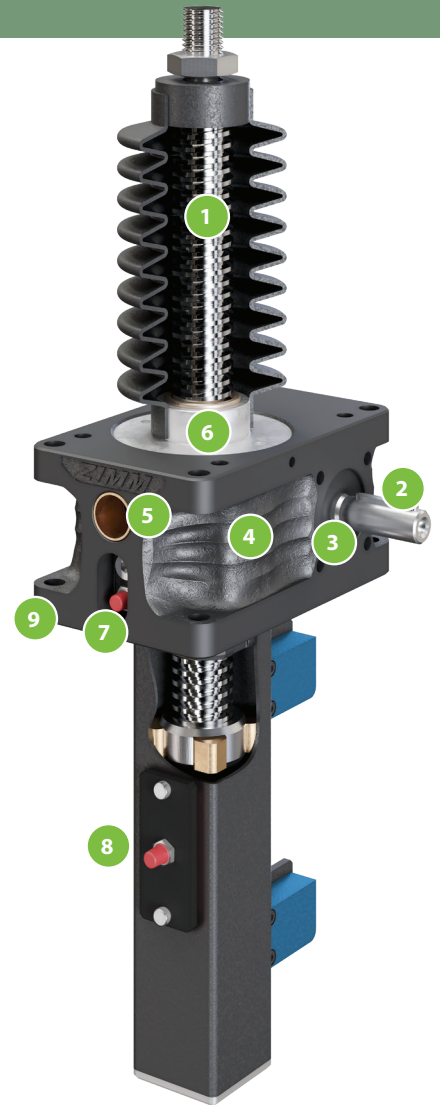
Separate spindle  
lubrication



Easy spindle lubrication  
access



Multitude of installation  
options



## The DieQua Advantage

### Engineering Support

DieQua Corporation has several decades of combined experience specifying power transmission and motion control components. This assures proper selection of components and systems to suit your unique requirements.

### Warehousing

We pride ourselves for our extensive in-stock inventory. For fast product turnaround, DieQua Corporation stocks many components of various ratios and sizes, ready to ship fast.

### Manufacturing and Assembly

DieQua Corporation now manufactures or assembles most of the products, for on-time delivery of standard orders as well as prototypes. We are ISO 9001 certified and are constantly improving our quality systems to ensure our customers receive the best products.

## Common Industries

- Aerospace / Military
- Energy / Renewable Energy
- Entertainment
- Environmental / Civil
- Food / Beverage
- Forestry / Lumber / Paper
- Material Handling
- Medical / Healthcare
- Mining / Tunneling
- Semiconductor
- Steel / Metal Forming
- Transportation / Assembly / Testing