

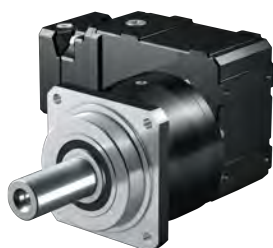


STÖBER

Power Tips 18

HANDLING SHAFT LOADS

When sizing a gearbox, you need to determine how much radial, axial, and moment shaft loads will occur in your application. Some applications exert higher load factors on the shaft. For example, pulleys or belts increase the radial load on the gearbox shaft. If the bearings in the gearbox aren't rated for higher radial loads, it will put stress on the bearings or gear teeth, resulting in premature wear. It can even break the shaft! Another example is dealing with axial or thrust loads. Thrust loads can put stress on the bearings and seals, causing premature failure.



Failure to account for shaft loads can result in poor machine design, which can hurt the OEM's reputation. For the end user, it can also result in downtime, costing thousands of dollars.

STÖBER offers bearing options to help deal with shaft loads and eliminate premature failure.

BEARING OPTIONS TO OPTIMIZE MACHINE DESIGN AND MAXIMIZE LIFE!

- Shaft loads are no problem
- Avoid upsizing to larger unit

P SERIES

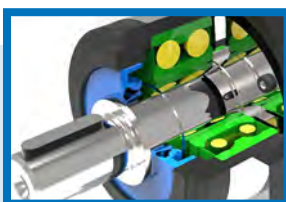
STANDARD LOAD



Ball Bearing

- Spur geared rack/pinion
- Couplings
- Belt with or without light tension

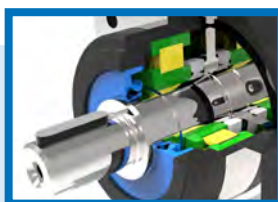
AXIAL LOAD



Double Row Angular Contact Bearing

- Helical geared rack/pinion
- Coupling with high axial load
- Belt with or without light tension

RADIAL LOAD

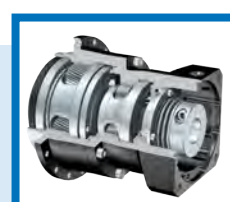


Cylindrical Roller Bearing

- Prestressed belt drive
- Prestressed spur rack drive
- Applications with high radial loads and/or high service requirements

PH SERIES

AXIAL AND RADIAL LOAD



Reinforced

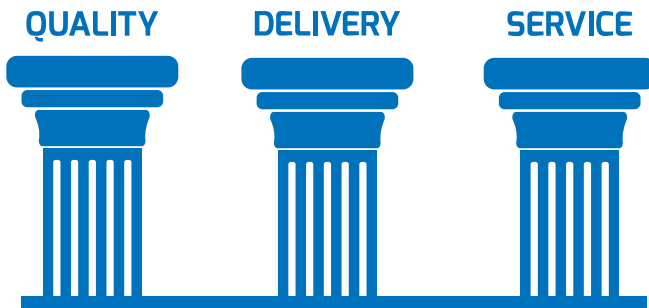
- Helical geared rack/pinion
- Coupling with high axial load
- Belt with or without light tension
- Prestressed belt drive
- Prestressed spur rack drive
- Applications with high radial loads and/or high service requirements



STOBER

Our Three Pillars

STOBER is your **trusted partner** in providing the ultimate customer experience. From unsurpassed quality to rapid response support to fast delivery, we are the **gold standard** for gearboxes.



With the new STOBER Configurator, engineers and designers will save time in product selection and designing. Everything is a simple click away!



World's Toughest Gearbox
Best components and quality



Quick Delivery
Build & Ship in 1 Day



24/7, 365 Support
Real people all the time

9.1 YEARS

Average mean time to failure for STOBER gearboxes in 24/7 harsh environment application.

Asset reliability means you can depend on a STOBER gear reducer for years, increasing profits and surpassing plant efficiency and targets.

