

«ALL-IN» Ball Screw for Common Lifting Situations

The Situation

Do you at times find certain drive systems not flexible enough? Do you solve such situations by developing costly individual solutions? Customers are more and more seeking dynamic systems for lifting and/or thrusting movements that are easy to fit and allowing a more variable speed range. In most cases, conventional components, such as worm gears, bevel gear sets etc. are combined with individual in-house constructions. The production of such custom-designed components is usually cost-intensive and the parts are not suited for different torques and rotation speeds; the construction has to be continually adapted.

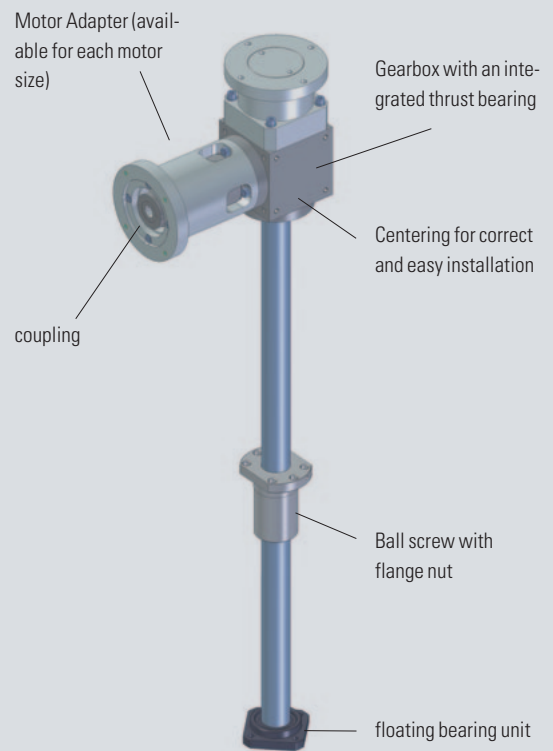
The Solution

Together with a distribution partner, Nozag has developed an «ALL-IN» ball screw which can be fitted as a complete component into handling and lifting devices for example. The «ALL-IN» unit combines the bevel gear with an axial bearing plus a motor adapter with coupling, thus permitting input speed rates up to 3000 min⁻¹ and gear ratios between 2 and 5. They also allow higher and more variable loads (e.g. from 2.5 to 50kN). This complete and compact assembly unit can easily be mounted onto lifting or thrusting equipment. There is no need for additional components for power transmission.

The entire assembly has additional advantages:

- > Compact construction as a mounting unit
- > Only one mounting surface needed
- > Cost-saving and economical
- > Easy mounting and alignment

We are at your disposal for further information or we develop a customized solution for you. Do not hesitate to contact us for an initial consultation.



This unit is currently available for 5 different loading capacities with a standard service life of 10'000 km – other combinations on request.

Load	Corresponding ball screw
2.5 kN	KGT 32x20
5 kN	KGT 50x20
10 kN	KGT 63x20
25 kN	KGT 63x20 (reinforced)
50 kN	KGT 80x20*

* Service life 5'000 km.