

Precise positioning.



The high degree of torsional stiffness and low backlash offered by our helical-bevel gearboxes facilitate extremely precise and reproducible positioning. Optimised tooth profiles and ground gears ensure low-noise operation and low backlash.

They are available in 3-stage and 4-stage versions with torque of to 11,639 Nm and a ratio of up to $i=1,936$.

Models

- 3-stage and 4-stage gearboxes
- Hollow shaft with keyway or shrink disc
- Solid shaft with feather key
- Foot or flange mounting
- Torque plate, including rubber buffer

Technical data

| Gearbox size | | GKS04 | GKS05 | GKS06 | GKS07 | GKS09 | GKS11 | GKS14 |
|-------------------|------|-----------|------------|------------|------------|-----------|-----------|-----------|
| Max. torque | [Nm] | 190 | 331 | 702 | 1330 | 3080 | 6072 | 11639 |
| Ratio range | | 5.1 - 300 | 6.9 - 1935 | 6.5 - 1511 | 6.0 - 1440 | 12 - 1413 | 12 - 1411 | 12 - 1393 |
| Dimensions | | | | | | | | |
| Hollow shaft | [mm] | 25/30 | 30/35 | 40/45 | 50/55 | 60/70 | 70/80 | 100 |
| Solid shaft | [mm] | 25 x 50 | 30 x 60 | 40 x 80 | 50 x 100 | 60 x 120 | 80 x 160 | 100 x 200 |
| Flange | [mm] | 160 | 200 | 200/250 | 250/300 | 350 | 400/450 | 450 |

GKS helical-bevel geared motors

Gearboxes

When combined with our integrated three-phase AC motors and servo motors, our helical-bevel gearboxes form a compact, effective drive unit. Numerous drive-end and output-end options allow precise matching of the drive to your specific application.

Models

- With three-phase AC motors in line with the ErP Directive in the power range from 0.12 to 45 kW
- With servo motors in the power range from 0.25 to 20.3 kW
- As a Drive Package with the decentralised Inverter Drives 8400 motec, covering the power range up to 7.5 kW.

Matched to your environmental conditions

| Gearboxes with | Three-phase AC motors | Servo motors |
|---|--------------------------------------|--------------|
| Degree of protection | | |
| EN 60529 | IP55 | IP54 / IP65 |
| Approvals | cURus, EAC, CCC and UkrSepro | |
| Climatic conditions | | |
| Storage temperature | -30°C to +60°C | |
| Operating temperature | -20°C to +40°C | |
| Surface and corrosion protection | | |
| OKS-G (primed) | 1K primer coat | |
| OKS-S (small) | 2K-PUR top coat | |
| OKS-M (medium) | 1K primer coat 2K-PUR top coat | |
| OKS-L (large) | 2K-EP primer coat 2K-PUR top coat | |