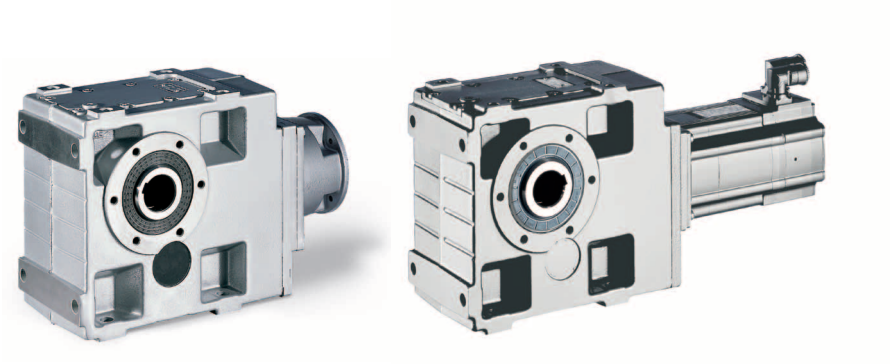
Precise positioning.



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

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, GOST-R, 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	