

Space-saving and with powerful torque.



Our axial shaft-mounted helical gearboxes are short, and capable of transmitting high torque levels. The low level of backlash offered by the toothing ensures the highest precision. Optimised tooth profiles and ground gears ensure both low-noise operation and low backlash.

The gearboxes are available in 2-stage and 3-stage versions with torque of to 11,615 Nm and a ratio of up to $i=856$.

Models

- 2-stage and 3-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		GFL04	GFL05	GFL06	GFL07	GFL09	GFL11	GFL14
Max. torque	[Nm]	172	345	657	1378	3170	5952	11615
Ratio range		3.7 - 95	3.3 - 538	3.7 - 856	3.4 - 810	6.9 - 790	6.9 - 801	7.2 - 801
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

GFL shaft-mounted helical geared motors

Gearboxes

When combined with our integrated three-phase AC motors and servo motors, our shaft-mounted helical 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
- The power range up to 7.5 kW is covered by a Drive Package, created together with the decentralised Inverter Drives 8400 motec.

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	