

Robust and precise in application.



The robust helical gearboxes excel through their high permissible radial forces, finely graduated speed-reduction ratios and low backlash.

They are available in 1-stage, 2-stage and 3-stage versions with torque of to 52400 lbs.-in. and a ratio of up to $i=435$.

Models

- 1-stage, 2-stage and 3-stage gearboxes
- Solid shaft with keyway
- Foot or flange mounting

Technical data

Gearbox size		GST03	GST04	GST05	GST06	GST07	GST09	GST11	GST14
Max. torque	[lbs.-in.]	400	646	1522	3320	6284	14365	25207	52400
Ratio range		2.6 - 59	1.6 - 45	1.6 - 335	2 - 435	2 - 417	2 - 412	4 - 412	4 - 412
Dimensions									
Solid shaft	["]		0.625 0.75	0.75 1	1 1.25	1.25 1.625	1.625 2.125		
	[mm]	14 x 28 20 x 40	16 x 32 20 x 40	20 x 40 25 x 50	25 x 50 30 x 60	30 x 60 40 x 80	40 x 80 50 x 100	60 x 120	80 x 160
Flange	[mm]	120	120	120	160	200	250	300	350
		140	140	140	200	250	300	350	400
		160	160	160	200	250	300	350	400

GST helical geared motors

Gearboxes

When combined with three-phase AC motors and servo motors, our helical gearboxes form a compact yet powerful 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 0.08 Hp to 60 Hp
- With servo motors in the power range from 0.33 to 27 Hp
- As a Drive Package with the decentralized Inverter Drives 8400 motec, covering the power range up to 10 Hp.

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 (-22°F to +140°F)	
Operating temperature	-20°C to +40°C (-4°F to +104°F)	
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	