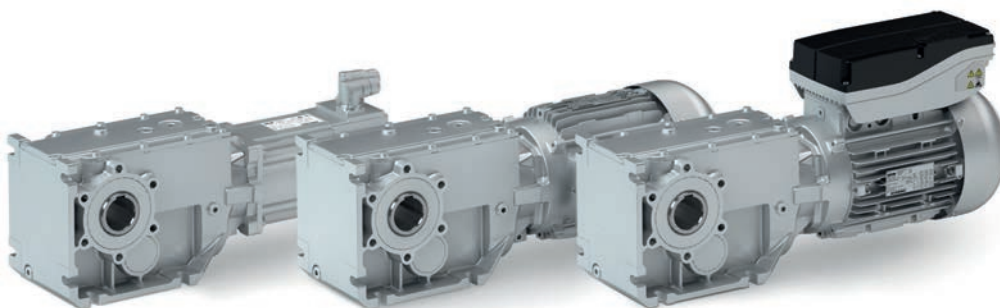


# Efficient and precise application.



Our efficient bevel gearboxes boast high permissible radial forces, closely stepped ratios and low backlash.

They are available in 2-stage and 3-stage designs with a maximum torque of 450 Nm and ratios of up to  $i=360$  depending on your individual requirements.

## Highlights

- Highly efficient right-angle gearbox in a compact design makes optimal use of mounting space
- Standardised shaft and flange dimensions for easy machine integration
- Low backlash and high torsional stiffness ensure precise results in positioning tasks

## Technical data

Gearbox size		g500-B45	g500-B110	g500-B240	g500-B450
Rated torque	[Nm]	45	110	240	450
Ratio range		5 - 62	5 - 100	5 - 360	5 - 250
Solid shaft dimensions	[mm]	20 x 40	20 x 40	30 x 60	30 x 60
Hollow shaft dimensions	[mm]	18 20	20 25	30 35	35 40
Flange dimensions	[mm]	110 120	120 160	160 200	200

# g500-B bevel geared motors

Gearbox

When used in conjunction with three-phase AC motors and servo motors, our bevel gearboxes form a compact, powerful drive unit. Numerous options at the input and output ends ensure that the drive can be easily and precisely adjusted to suit your application.

## Designs

- With Lenze Smart Motor m300, rated torque of 1.75 Nm and 5 Nm
- With IE1 / IE2 three-phase AC motors according to the ErP Directive: Power range 0.06 to 9.2 kW
- With inverter-optimised MF three-phase AC motors: Power range 0.55 to 22 kW
- With synchronous servo motors and asynchronous servo motors Power range: 0.25 to 9.1 kW

### Tailored to your individual ambient conditions

Gearbox with	Lenze Smart Motor	Three-phase AC motors	Servo motors
<b>Enclosure</b>			
EN 60529	IP55		IP54 / IP65
<b>Energy efficiency class</b>			
	IE1, IE2 or inverter-optimised		
<b>Approvals</b>			
	cURus, GOST-R, CCC and UkrSepro		
<b>Climatic conditions</b>			
Storage temperature	-30 to 60 °C		
Operating temperature	-20 to 40 °C		
<b>Surface and corrosion protection</b>			
OKS-G (primed)	1K primer		
OKS-S (small)	2K PUR top coat		
OKS-M (medium)	1K primer, 2K PUR top coat		
OKS-L (large)	2K EP primer, 2K PUR top coat		

#### Perfect mechatronic integration with the Lenze Smart Motor

- Covers a wide range of applications
- Reduces the number of different versions by up to 70 %
- Offers exceptional energy efficiency over a long service life
- Achieves greater productivity and maximum reliability

**Lenze  
BlueGreen  
Solutions**

g500:  
min. 94% efficiency