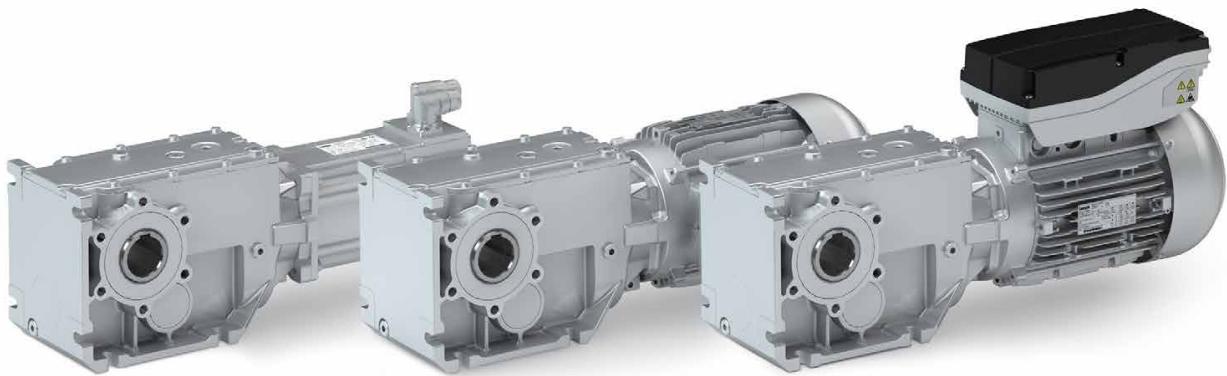


# Efficiency and accuracy in the application.



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**The efficient bevel gearboxes are characterized by high permissible radial forces, closely stepped transmission ratios and a low backlash.**

They are available in a 2-stage, 3-stage and 4-stage design with a torque of up to 20,000 Nm and a ratio of up to  $i = 3,600$ .

## Highlights

- Energy efficiency classes for an economic and future-proof use in many applications and countries
- High-efficient right-angle gearbox in a compact design makes optimal use of mounting space
- Standardized shaft and flange dimensions for easy machine integration
- Low backlash and high torsional stiffness ensure exact positioning task results

# Lenze Motors with bevel gearboxes g500-B

Bevel geared motors are 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.

## Types m550 and MF

- With IE2 and IE3 three-phase AC motors according to the ErP Directive: Power range 0.12 ... 55 kW
- With inverter-optimized MF three-phase AC motors: Power range 0.55 ... 22 kW

## Types Lenze Smart Motor

- With m300 Lenze Smart Motors: Rated torque of 1.75 Nm and 5 Nm

## Types MCS, m850 and MCA

- With synchronous servo motors and asynchronous servo motors: Power range: 0.25 ... 38.4 kW



m550



Lenze Smart Motor



MCS



m850



MCA

## Matched to your ambient conditions

Gearboxes with	Three-phase AC motors	Lenze Smart Motor	Servo motors
Degree of protection (EN 60529)	IP55		IP54/IP65
Energy efficiency class	IE2, IE3 or inverter-optimized		
Approvals	cURus, EAC, CCC and UkrSepro		
Storage temperature	-30 ... 60 °C		
Operating temperature	-20 ... 40 °C		

## Surface and corrosion protection

Gearboxes with	Three-phase AC motors, Lenze Smart Motors, servo motors
OKS-G (primed)	1K priming coat
OKS-S (small)	2K-PUR top coat
OKS-M (medium)	1K priming coat, 2K-PUR top coat
OKS-L (large)	2K-EP priming coat, 2K-PUR top coat

## Technical data

Gearbox size		g500-B45	g500-B110	g500-B240	g500-B450	g500-B600	g500-B820	g500-B1500	g500-B2700	g500-B4300	g500-B8000	g500-B13000	g500-B20000
Rated torque	Nm	45	110	240	450	600	820	1500	2700	4300	8000	13000	20000
Ratio range		5 - 60	5 - 100	4 - 3600	5 - 2500	5 - 2500	5 - 2500	7 - 2500	7 - 2600	5 - 2600	7 - 240	7 - 220	12 - 200
Solid shaft dimensions	mm	20	20	30	30	40	40	50	60	70	90	110	120
		x 40	x 40	x 60	x 60	x 80	x 80	x 100	x 120	x 140	x 170	x 210	x 210
Hollow shaft dimensions	mm	18	20	30	35	40	40	50	60	70	90	100	120
		20	25	35	40	45	45	55	70	80	90	100	120
Shrink disc dimensions	mm	20	20	30 35	35	40	40	50	65	75 80	95	105	125
Flange dimensions	mm	110	120	160	200	200	200	250	350	400	450	550	660
		120	160	200		250	250	300		450			