

In each design, the helical-bevel servo gearmotors provide durable power

The compact design of the 7 series is most obvious in our helical-bevel gear units.

They are sophisticated right-angle gear units for all engineering applications that require space-saving installation. At the same time, they offer a powerful torque range from 125 to 50,000 Nm.

Wear-free and energy-efficient

In both directions of rotation and at any input speed, the helical-bevel gear units by SEW-EURODRIVE provide a high degree of efficiency – reliably in the long run. The gearing is designed for high endurance and thus makes for a high-torque, wear-free drive.

The remarkably high efficiency of our helical-bevel gearmotors makes them energy-savers. Their long maintenance-free service life is yet another reason for using both AC asynchronous motors and asynchronous and synchronous servomotors for every occasion.



Technical data

	Synchronous servo gearmotors CMP	Asynchronous servo gearmotors DRL..
	K37 – K107	K37 – K187
Gear ratios [i]	3.98 ... 197.37	3.98 ... 197.37
Output torque rates [Nm]	125 ... 1,550	125 ... 50,000
Circumferential backlash (/R option) [arcmin]	5 ... 13	5 ... 13

Preferred application areas

- Lifting axes in gantries
- Timing belts with angle-shaped power flow
- Main drives with angle-shaped power flow
- Winding drives and cutter drums

In any application, these compact power packs provide a high degree of efficiency.



The advantages at a glance:

- High permitted overhung loads
- Angle-shaped power flow with solid or hollow shaft
- A wide setting range in conjunction with DRL..; typical for winding applications
- Maximum torque rates of up to 50,000 Nm
- Backlash-free connection of the customer shaft with shrink disk or TorqLOC® hollow shaft mounting
- Also available in reduced backlash design

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