



Sew Eurodrive Geared Motor

HELICAL GEARMOTOR R SERIES

In six single-stage and fourteen two-stage and three-stage sizes, the helical gearmotors by SEW-EURODRIVE ensure an optimum ratio between power and space requirements.

RX series (single-stage)



For high output speeds, the exclusively single-stage gear units RX57 to RX107 offer compact solutions for your system design.

Technical data

Gear unit reduction ratio	[i]	1.30 - 8.65
Output torque	[Nm] ([in-lb])	69 - 830 (610 - 7340)
Motor power range	[kW] ([Hp])	0.12 - 45 (0.16 to 60)

R series (two-stage and three-stage)



Our complete range of helical gearmotors provides the optimum size and power solution for every drive task. And for applications where weight is an issue, our multi-stage gear units provide something special: Thanks to their die-cast aluminum design, the models R07, R17 and R27 are three particularly efficient lightweights – ideal as satellite drives and for use in light machine constructions. Reduced backlash helical gear units are also available for particularly precise requirements

Technical data

Gear unit reduction ratio	[i]	3.21 - 289.74
Multi-stage gear unit reduction ratio	[i]	90 - 27001
Output torque	[Nm] ([in-lb])	50 - 18000 (440 to 159300)
Motor power range	[kW] ([hp])	0.12 - 90 (0.16 to 120)



HELICAL GEARMOTOR R SERIES

R series (two-stage and three-stage)



Our complete range of helical gearmotors provides the optimum size and power solution for every drive task. And for applications where weight is an issue, our multi-stage gear units provide something special: Thanks to their die-cast aluminium design, the models R07, R17 and R27 are three particularly efficient lightweights – ideal as satellite drives and for use in light machine constructions. Reduced backlash helical gear units are also available for particularly precise requirements

Technical data		
Gear unit reduction ratio	[i]	3.21 - 289.74
Multi-stage gear unit reduction ratio	[i]	90 - 27001
Output torque	[Nm] ([in-lb])	50 - 18000 (440 to 159300)
Motor power range	[kW] ([hp])	0.12 - 90 (0.16 to 120)

Your advantages

- High torque density
- Long service life
- R37 ... R167 Reduced backlash option
- RM series, specially designed for agitating applications

The tried and tested modular concept and our strict quality criteria allow SEW-EURODRIVE to provide a diverse range of torques and reduction ratios with incomparably finely tuned gradings. With this exceptional diversity, SEW-EURODRIVE sets new standards in the field of drive engineering.

Available versions

- Single-stage or multi-stage
- Foot-mounted or flange-mounted
- Foot-mounted and flange-mounted
- Flange-mounted with extended bearing hub



PARALLEL SHAFT HELICAL GEARMOTOR F SERIES

F series (two-stage and three-stage)



Our extra-slim parallel shaft helical gearmotors are the perfect solution when space is limited. The many different sizes and designs ensure that the gearmotors can be used in a wide variety of applications even under the most unfavorable conditions. SEW-EURODRIVE parallel shaft helical gearmotors are typically used in conveyor and materials processing applications. You can choose from foot-mounted, flange-mounted or shaft-mounted options. Reduced backlash parallel shaft helical gear units are also available on request for precise positioning tasks.

Available versions

- Foot-mounted or flange-mounted
- B5 or B14 Flange-mounted
- Solid or hollow shaft
- Hollow shaft with keyed connection, shrink disc, splined hollow shaft or TorqLOC®

Technical data		
Gear unit reduction ratio	[i]	3.77 - 281.71
Multi-stage gear unit reduction ratio	[i]	87 - 31434
Output torque	[Nm] ([lb-in])	130 - 18000 (1150 - 159300) (also in reduced backlash version)
Motor power range	[kW] ([Hp])	0.12 - 200 (0.16 - 268)

Your advantages

- High torque density
- High permitted overhung loads
- Multi-stage gear unit for low output speeds
- F37 ... F157 Reduced backlash option



HELICAL-BEVEL GEARMOTOR K SERIES

K series (two-stage / three-stage)



Helical-bevel gear units from SEW-EURODRIVE provide a high degree of efficiency of over 90% in both torque directions and at all input speeds. With performance designed to last – high-endurance gearing enables high-torque, wear-free operation. With our remarkably efficient helical-bevel gearmotors, you have energy-efficient angular gear drives at your fingertips. As they also have a long maintenance-free service life, they can be used in every application with AC asynchronous motors, asynchronous and synchronous servomotors. A reduced backlash version is available for precise positioning tasks for K37 to K187

Available versions

- Foot-mounted or flange-mounted
- B5 or B14 Flange-mounted
- Solid or hollow shaft
- Hollow shaft with keyed connection, shrink disk, splined hollow shaft or TorqLOC®

Technical data		K..19 - K..49 (two-stage)	K..37 - K..187 (three-stage)
Number of Sizes		4	12
Gear unit reduction ratio	[i]	2.8 - 75	3.98 - 197.37
Multi-stage gear unit reduction ratio	[i]	–	94 - 32,625
Max. output torque	[Nm]	80 - 500	200 - 50,000 (also in reduced backlash version)
Motor power range	[kW]	0.12 - 7.5	0.12 - 225

Your benefits

- High power density
- Wear-free
- Long service life
- > 90% gear unit efficiency
- Multi-stage gear unit for low output speeds
- two-stage or three-stage versions
- Reduced backlash option for three-stage version



HELICAL-WORM GEARMOTOR S SERIES

S series



SEW-EURODRIVE helical-worm gear units are helical/helical-worm combinations, so they are more efficient than normal helical-worm gear units. Due to their outstanding efficiency, these drives can be used in every industrial sector and tailored to individual torque and speed requirements. The reduction ratios afforded by the helical-worm gear stage and the low noise levels during operation make these gearmotors ideal low-cost solutions for simple applications.

Available versions

- Foot-mounted or flange-mounted
- B5 or B14 Flange-mounted
- Solid or hollow shaft
- Hollow shaft with keyed connection, shrink disk, splined hollow shaft or TorqLOC®

Technical data		
Gear unit reduction ratio	[i]	3.97 - 288.00
Multi-stage gear unit reduction ratio	[i]	110 - 33818
Output torque	[Nm] (lb-in)	92 - 4000 (810 - 35400)
Motor power range	[kW] (Hp)	0.12 - 30 (0.16 - 40)

Your advantages

- Economical operation
- Low noise
- High permitted overhung loads



SPIROPLAN® GEARMOTOR W SERIES

W series



SPIROPLAN® gearmotors are robust right-angle gearmotors with SPIROPLAN® gearing. They have three main differences from the helical-worm gear units: the material combination of the steel-on-steel gearing, the special tooth meshing relationships and the aluminum housing. These features make SPIROPLAN® gearmotors very quiet, wear-free and lightweight. The particularly short design and the aluminum housing make for very compact and lightweight drive solutions. The wear-free gearing and the life-long lubrication facilitate long periods of maintenance-free operation. As the oil fill is independent of the mounting position, SPIROPLAN® gearmotors can be installed in any mounting position without altering the quantity of oil. Identical hole spacing in the foot and face as well as the equal shaft height to both provides you with diverse mounting options.

Technical data		
Gear unit reduction ratio	[i]	3.20 - 75.00
Max. output torque	[Nm] (lb-in)	25 - 180 (220 - 1,590)
Motor power range	[kW] (Hp)	0.12 - 3.0 (0.16 - 7.5)

Available versions

- Foot-mounted or flange-mounted
- B5 or B14 Flange-mounted
- Solid or hollow shaft

Your benefits

- Low noise
- Economical operation
- Life-long lubrication
- Light aluminum housing