

K-Series Helical-Bevel Gearmotors

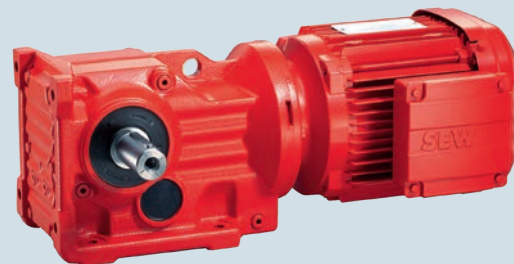
SEW-Eurodrive's K-Series helical-bevel gearmotors contain high torque density with the highest efficiency available in a right-angle design. Instead of losing energy via the sliding friction of a worm gear, the K-series uses much lower rolling friction of helical and bevel gears. The result is minimum heat and maximum energy savings to the end user.

Product Range

- Power ratings from 0.05 to 615 HP
- Ratios from 3.98 to 24,353
- Output torques to 442,500 lb-in.

Reducer

- Efficiency = 95.5%
- Gears manufactured from certified steel, heat treated to a case hardness of 58-62 Rockwell C for infinite fatigue strength
- Finished ground or shaved gear teeth to assure minimum noise, minimum heat, and maximum mechanical efficiency
- Anti-friction bearings for optimum load capacity and long life
- Captured keys on input and output shafts
- Gear housing contains high strength cast iron, SAE Class 30 or equivalent (GG20)
- O-ring on flange to prevent oil leakage when mounted on a surface that is not totally flat
- High cross-section modulus design, rugged monobloc design for maximum rigidity
- Center tapped holes on output shafts to aid the installation of shaft components
- Exclusive interlocking 2-piece seal design consisting of a patented bi-helix FKM inner seal and a double-lip Nitrile (Buna N) outer seal – provides three sealing surfaces against contaminants
- Metric or Inch dimension output shafts
- Removable inspection cover
- Shock capacity meets or exceeds AGMA 6009-A00



Motor

- Inverter duty
- Connection terminals
- Low rotor inertia for high cycling and tight control
- EISA (IE3) "Premium" available
- 50Hz, 60Hz, or 50/60Hz global motor
- **CE** for shipment into Europe

Mounting

- Torque arm for shaft mounting
- B14 or B5 flange with centering tenon
- Can be ordered for any mounting orientation

Optional Features

- C-Face or IEC motor adapter
- Torque arm that attaches to bottom of gear unit
- TorqLOC® taper hollow shaft
- Heavy duty taper roller bearings (KA67-KA127)
- FKM seals instead of NBR
- Corrosion and/or long term storage protection
- High cycling fail-safe brake
- Forced cooling fan for low frequency operation
- Thermostat or thermistor protection
- Plug connectors for quick motor replacement
- Two-speed motor
- Motor encoder - built-in or externally mounted
- CSA hazardous location and ATEX rated motors



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About SEW-Eurodrive

Our product is motion. Our focus is solutions. As a worldwide supplier of innovative gearing, motor, and electronic drive technology, we have been solving problems in large and small applications within virtually every industry for over 80 years.

We also specialize in reducing the total cost of ownership with our customer-specific energy saving solutions.

Globally, we have assembly centers in 44 countries, along with 15 production plants. Therefore, we are able to provide uniform quality standards and international application experience.

Locally, we provide final assembly and custom modifications plus assistance with project planning, startup, and training. All products are backed by our industry-leading 24/7 support program.

SEW-Eurodrive ... Driving the World

