

F-Series (the Snuggler®) Parallel Helical Gearmotors

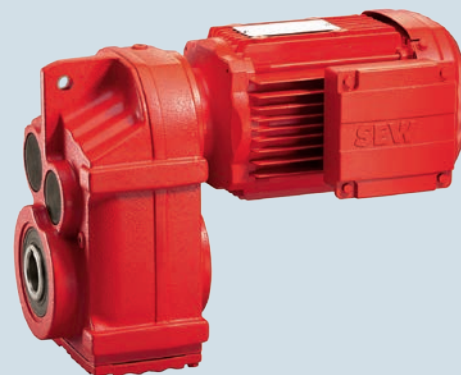
SEW-EURODRIVE's F-Series parallel helical gearmotor is the ideal drive for tight spaces. This compact drive, with its multiple mounting configurations and shaft designs, is a rugged alternative to right-angle gearmotors.

Product Range

- Power ratings from 0.05 to 336 HP
- Ratios from 3.77 to 29,211
- Output torques to 159,300 lb-in

Reducer

- Efficiency = 97% (2-stage) or 95.5% (3-stage)
- 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 (approximately 1.5% loss/stage)
- Anti-friction bearings for optimum load capacity and long life
- Captured keys on input and output shafts
- F37-F157 gear housing contains high strength cast iron, SAE Class 30 or equivalent (GG20)
- F27 housing contains high strength pressure-cast aluminum
- 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

- Built-in torque arm for shaft mounting
- B14 or B5 flange with centering tenon
- Tapped rail holes for foot mounting
- Can be ordered for any mounting orientation

Optional Features

- C-Face or IEC motor adapter
- TorqLOC® taper hollow shaft
- Heavy duty taper roller bearings (FA67-FA127)
- 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



About SEW-EURODRIVE

As a world leader in drive technology and a pioneer in drive-based automation, SEW-EURODRIVE has established a reputation for quickly solving the most difficult power transmission and motion control challenges. We introduced the gearmotor in 1931. In the 82 years since then, we have been bringing the best in drive technology to our customers. That commitment has led to a history of innovations - the first variable speed gearmotor, early development of electronic drives, some of the first successful efforts to decentralize control, and the first motor with energy-efficient copper rotors.

Of course none of that matters without satisfied customers. Quickly solving problems so that our customers can be more productive and profitable continues to be our priority. We offer the broadest product line in the industry - from gear- motors and heavy industrial gear units to electronic drives, software and complete drive-based automation systems. Our products are based on a unique system of modular components that can be assembled in literally millions of different configurations so every drive solution is custom built to our customer's

exact specifications. Our regional assembly centers stock millions of dollars of our modular inventory for quick delivery of drive solutions and spare parts anywhere in the U.S.

At SEW-EURODRIVE our expertise doesn't stop with the sale of our products. We offer one of the most accessible customer support systems in the industry. Our trained product specialists are readily available for on-site start up assistance and applications support. In addition, our PT Pilot® drive selection quickly selects the drive for your specific needs. Our customer service personnel, engineers, product specialists, and service technicians are available to answer questions and troubleshoot problems. SEW-EURODRIVE offers on-call emergency technical support around the clock.

SEW-EURODRIVE brings together everything you need to drive performance for your systems: superior products, unsurpassed engineering, technical support, and innovative new technologies. We invite you to experience the SEW-EURODRIVE difference.

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