

# PRODUCT FOCUS



## S-Series Helical-Worm Gearmotors

### OVERVIEW

SEW-Eurodrive's S-Series right angle gearmotors offer helical-before-worm gearing combining durability with power-packed performance in a compact design that requires no motor belts or couplings.

### PRODUCT RANGE

- Power ratings from 0.05 to 46 HP
- Output speeds from 0.05 to 257 rpm
- Output torques to 35,400 lb-in.

### STANDARD FEATURES

#### Reducers

- Worm shaft and helical gears manufactured from certified steel, heat treated to a case hardness of 58-62 Rockwell C for long gear life
- Gears are milled, hardened and ground to assure maximum efficiency (up to 94%), minimum noise and heat generation
- High capacity anti-friction bearings for optimum load carrying and long life
- Captured keys on input and output shafts
- Gearcases made of high strength gray cast iron, SAE Class 30
- High cross-section modulus design with center wall for maximum rigidity
- S-Series reducers are continuous duty at rated thermal capacity, based on ratio and input speed
- Center tapped holes on output shafts
- Double output seal design consisting of patented bi-helix inner seal made of Viton®, and double-lip Nitrile (Buna-N) outer seal\*
- Available with inch dimension output shafts



#### Motors

- NEMA design B/C
- Inverter duty
- Connection terminals
- Extremely low motor rotor inertia
- CE Mark for shipment into Europe

#### Mounting Configurations

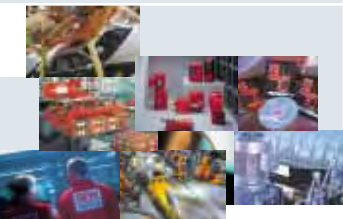
- Multiple mounting options including foot, flange or shaft mounts
- Suitable for mounting in any position
- Available as a gearmotor or a gear brakemotor

#### OPTIONAL FEATURES

- TorqLOC®
- Hollow or solid output shafts available in metric sizes
- Torque arm
- Severe duty protection
- Long-term storage protection
- Motors with high cycling capacity fail-safe brake
- 50 Hz motors for worldwide use
- Forced cooling for low frequency motor operation
- Thermostat or thermistor protection
- Plug connector terminal box for fast motor replacement

\*Applicable 7-Series

Viton® is a registered trademark of DuPont Dow Elastomers

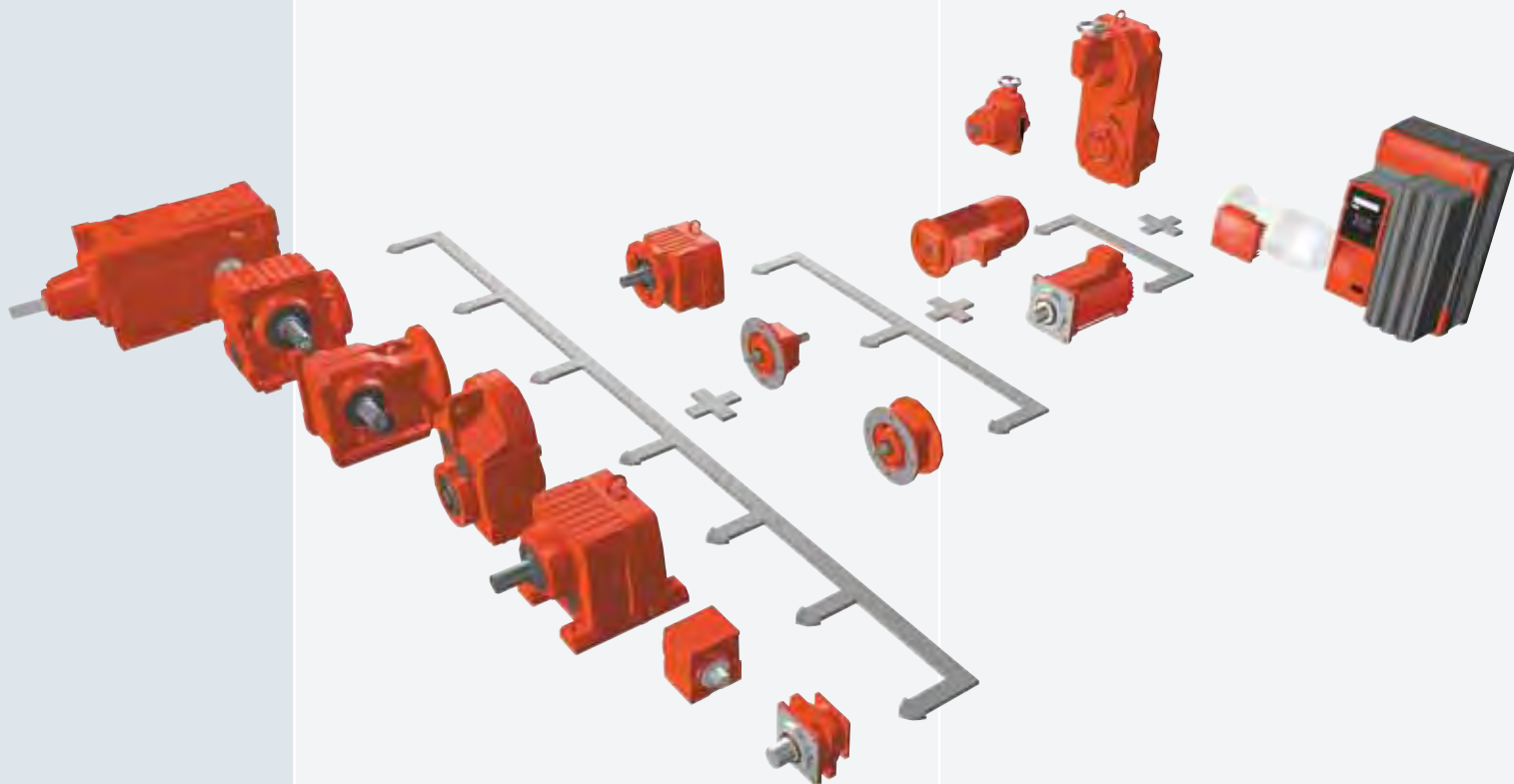


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For more than 50 years, SEW-Eurodrive has been industry's global supplier of choice for innovative, reliable gearing and high-performance motors. We are also one of the world's leading suppliers of electronic drives. Wherever things need to be moved – that's where you'll find SEW-Eurodrive.

SEW gear units are legendary for their outstanding performance and uncompromising quality, and for the vast selection of modular options and power ratings available to meet the requirements of virtually any application. Installed in all major industrial sectors, our drive products continue to set new quality standards globally for meeting today's advanced power transmission challenges.

In our nine global manufacturing centers, we build SEW drive components and modules to exactly the same specifications and tolerances. However, final assembly and custom modifications are performed in our 56 regional assembly plants, located close to our customers

in 40 countries around the world – so here in North America you can rest assured you're getting exactly the same drives, no matter where your equipment is going into operation.

What's more, being in close contact with our customers enables our sales engineers and technical specialists to provide knowledgeable applications and project planning assistance, as well as complete startup and training, at your site. And of course, all SEW-Eurodrive products are backed by our industry-leading 24/7 support program, should you ever require service.

SEW-Eurodrive. Driving the world – with innovative products, systems and support that deliver superior performance for your power transmission application.

