



SEW
EURODRIVE

Catalog



DRS Gearmotors





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1 Preface

1.1 The SEW-EURODRIVE group of companies

Global presence

Driving the world with innovative drive solutions for all branches and for every application. Products and systems from SEW-EURODRIVE are used in a multitude of applications worldwide. These include the automotive, building materials, food and beverage as well as metal-processing industries. The decision to use drive technology made by SEW-EURODRIVE stands for reliability regarding both, functionality and investment.

We are represented in the most important branches of industry all over the world: with 12 manufacturing plants, 67 assembly plants in 46 countries and our comprehensive range of services, which we consider an integrative service that continues our commitment to outstanding quality.

Always the right drive

The SEW-EURODRIVE modular concept offers millions of combinations. This wide selection enables you to choose the correct drive for all applications, each based on the required speed and torque range, space available and the ambient conditions. Gear units and gearmotors offering a unique and finely tuned performance range and the best economic prerequisites to face your drive challenges.

The gearmotors are powered by MOVITRAC® frequency inverters, MOVIDRIVE® inverters and MOVIAXIS® multi-axis servo inverters, a combination that blends perfectly with the existing SEW-EURODRIVE program. As in the case for mechanical systems, the development, production and assembly is also carried out completely by SEW-EURODRIVE. In combination with our drive electronics, these drives will provide the utmost in flexibility.

Products of the servo drive system, such as low backlash servo gear units, compact servomotors or MOVIAXIS® multi-axis servo inverters provide precision and dynamics. From single-axis or multi-axis applications all the way to synchronized process sequences, servo drive systems by SEW-EURODRIVE offer a flexible and customized implementation of your application.

For economical, decentralized installations, SEW-EURODRIVE offers components from its decentralized drive system, such as MOVIMOT®, the gearmotor with integrated frequency inverter or MOVI-SWITCH®, the gearmotor with integrated switching and protection function. SEW-EURODRIVE hybrid cables have been designed specifically to ensure cost-effective solutions, independent of the philosophy behind or the size of the system. The latest developments from SEW-EURODRIVE: MOVITRANS® system components for contactless energy transfer, MOVIPRO®, the decentralized drive control and MOVIFIT®, the new decentralized intelligence.

Power, quality and sturdy design combined in one standard product: With high torque levels, industrial gear units from SEW-EURODRIVE realize major movements. The modular concept will once again provide optimum adaptation of industrial gear units to meet a wide range of different applications.

Your ideal partner

Its global presence, extensive product range and broad spectrum of services make SEW-EURODRIVE the ideal partner for the machinery and plant construction industry when it comes to providing drive systems for demanding applications in all branches of industries and applications.



1.2 Products and systems from SEW-EURODRIVE

The products and systems from SEW-EURODRIVE are divided into 4 product groups. These 4 product groups are:

1. Gearmotors and frequency inverters
2. Servo drive systems
3. Decentralized drive systems
4. Industrial gear units

Products and systems used in several group applications are listed in a separate group "Products and systems covering several product groups". Consult the following tables to locate the products and systems included in the respective product group:

1. Gearmotors and frequency inverters		
Gear units/gearmotors	Motors	Frequency inverters
- Helical gear units/helical gearmotors - Parallel-shaft helical gear units/parallel-shaft helical gearmotors - Helical-bevel gear units/helical-bevel gearmotors - Helical-worm gear units/helical-worm gearmotors - Spiroplan® right-angle gearmotors - Drives for electrified monorail systems - Geared torque motors - Pole-changing gearmotors - Variable speed gear units/variable speed gearmotors - Aseptic gearmotors - Gear units/gearmotors to ATEX standard - Variable speed gear units/variable speed gearmotors to ATEX standard	- Asynchronous AC motors / AC brakemotors - Pole-changing AC motors / AC brakemotors - Energy-efficient motors - Explosion-proof AC motors / AC brakemotors - Torque motors - Single-phase motors / single-phase brakemotors - Asynchronous linear motors	- MOVITRAC® frequency inverters - MOVIDRIVE® inverters - Control, technology and communication options for inverters

2. Servo drive systems		
Servo gear units / servo gearmotors	Servomotors	Servo drive inverters/servo inverters
- Low backlash planetary servo gear units / planetary gearmotors - Low backlash helical-bevel servo gear units / helical-bevel gearmotors - Explosion-proof servo gear units / servo gearmotors	- Asynchronous servomotors / servo brakemotors - Synchronous servomotors / servo brakemotors - Explosion-proof servomotors / servo brakemotors - Synchronous linear motors	- MOVIDRIVE® servo inverters - MOVIAXIS® multi-axis servo inverters - Control, technology and communication options for servo drive inverters and servo inverters



3. Decentralized drive systems		
Decentralized drives	Communication and installation	Contactless energy transfer
• MOVIMOT® gearmotors with integrated frequency inverter • MOVIMOT® motors/brakemotors with integrated frequency inverter • MOVI-SWITCH® gearmotors with integrated switching and protection function • MOVI-SWITCH® motors/brakemotors with integrated switching and protection function • Explosion-proof MOVIMOT® and MOVI-SWITCH® gearmotors	• Fieldbus interfaces • Field distributors for decentralized installation • MOVIFIT® product range – MOVIFIT®-MC to control MOVIMOT® drives – MOVIFIT®-SC with integrated electronic motor switch – MOVIFIT®-FC with integrated frequency inverter	• MOVITRANS® system – Stationary components for energy supply – Mobile components for energy consumption – Line cables and installation material

4. Industrial gear units
• Helical gear units • Bevel-helical gear units • Planetary gear units

Products and systems covering several product groups
• Operator terminals • MOVI-PLC® drive-based control system

In addition to products and systems, SEW-EURODRIVE offers a comprehensive range of services. These include:

- Technical consulting
- Application software
- Seminars and training
- Extensive technical documentation
- International customer service

Visit our homepage at

→ **www.sew-eurodrive.com**

The website provides comprehensive information and services.



1.3 Additional documentation

Contents of this publication

This DRS Gearmotors price catalog / catalog includes the detailed technical data of the following SEW-EURODRIVE product groups:

- DRS helical gearmotors
- DRS parallel-shaft helical gearmotors
- DRS helical-bevel gearmotors
- DRS helical-worm gearmotors
- DRS Spiroplan® gearmotors

The price catalogs and catalogs offer the following information:

- Product descriptions
- Unit designations
- Project planning instructions for drives and gear units
- Visual representation of mounting positions
- Explanation on the order information
- Design and operating notes
- Important information about tables and dimension sheets
- Description of the different types
- Overview of all permitted combinations
- Selection tables for DRS gearmotors
- Dimension sheet for DRS gearmotors
- Technical data
- Price catalog → prices and option pricing of options and accessories

Additional documentation

The "DR AC Motors" catalog/price catalog is available from SEW-EURODRIVE in addition to this "DRS Gearmotors" catalog/price catalog.

This catalog/price catalog contains the following information:

- Unit designations
- Product descriptions
- Project planning instructions for DR series AC motors
- Technical data of DR series AC motors
- Technical data of options and additional features
- Information about the dimension sheets
- Dimension sheets for DR AC motors
- Information on brakes from SEW-EURODRIVE
- Information on prefabricated cables
- Price catalog → prices and option pricing of options and accessories

Please note that the complete range of technical documentation is available on our home page:

→ www.sew-eurodrive.com