

First class geared motors



Your addition in transmission.



Our innovative geared motors range

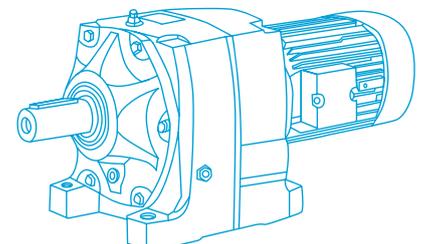
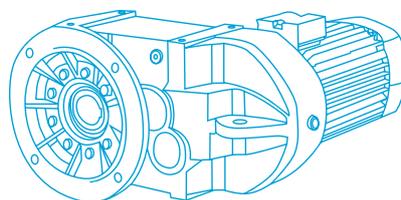
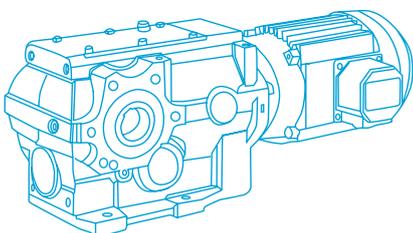
offers not only a wide range of different types, high reliability and quick availability, but also adaptable performance features for gearbox and motor as well as a high degree of flexibility in customer-specific applications.

+ Geared motors

You can expect diverse possibilities for individual adaptations and a quick and easy installation due to standardization to dimensions normally found in the market and our EASY-FIT assembly system. The high gearing quality and the unique Stephan gear profile ensure a low noise level, high torque transmission and high efficiency.

Your addition:

- + **Powerful** thanks to an optimized design and high load-bearing components
- + **Long lasting** performance even under the toughest working conditions
- + **Optimized** due to finely graded ratios and torque steps
- + **Flexible** with multiple housing, flange and shaft options
- + **Economical** thanks to energy-efficient electric motors
- + **Individually** configurable with numerous motor options
- + **Adaptable** to standard motors with low-maintenance and compact IEC motor adapter
- + **Universally** applicable as helical, parallel shaft helical and helical Bevel geared motor
- + **Low-noise** due to perfect tooth engagement
- + **ATEX design** also available for hazardous environments



Features

- + The **optimized and unique Stephan gearing and shaft geometry** compensates deflection under load.
- + Gear unit housings, covers, feet, flanges and motor casings are highly ribbed and securely connected to each other.
- + **Carefully dimensioned shaft and roller bearings** absorb high external loads. The components are dimensioned to withstand peak loads even under the most adverse operating conditions.
- + **Optimized gearing geometry** and **precise grinding** create a smooth rolling of the tooth flanks involved in the engagement.
- + Connection dimensions of shafts, feet and flanges are identical with those of the market standard.
- + **One-piece, low-maintenance** and **compact** IEC motor adapter for the assembly of standard IEC motors.

Advantages

- > The **Premium Stephan geared motor** transfers higher torques for a **long, low-maintenance service life**.
- > The ruggedly designed casing ensures **maximum robustness under high load** and failure-free operation.
- > **High load-carrying capacities** to absorb high external forces at the input and output shaft ensure a **long bearing life** of the **Premium Stephan geared motor**.
- > The result is a **perfect tooth engagement, even load distribution** across the complete face width, **minimum vibrations** and therefore a smooth, **low-noise operation**.
- > With dimensioned **interchangeability** and **outstanding performance** specifications, the **Premium Stephan geared motors range** is predestined to replace existing drives.
- > **Easy assembly** in a very short time and **worldwide availability** due to **interchangeability** of the standard IEC flange motor.

The Premium Stephan geared motors family features a broad range of designs and numerous standard options. Additional information can be found in the overview of the product program.

200 Nm

18,000 Nm



MI/MS helical geared motor

Power range	0.12 to 90 kW
Torque range	200 to 18,000 Nm
Ratio	3.15 to 315 : 1
Sizes	1 – 13
Numbers of stages	2 and 3 stage
Versions	Foot and flange-mounted, with solid shaft



MP parallel shaft helical geared motor

Power range	0.12 to 90 kW
Torque range	200 to 9,000 Nm
Ratio	3.15 to 315 : 1
Sizes	1 – 7
Numbers of stages	2 and 3 stage
Versions	Foot and flange-mounted, with solid and hollow shaft



MK helical bevel geared motor

Power range	0.12 to 75 kW
Torque range	440 to 8,000 Nm
Ratio	7.1 to 315 : 1
Sizes	2 – 7
Numbers of stages	3 stage
Versions	Foot and flange-mounted, with solid and hollow shaft





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Convince yourself of our further drive solutions:

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- + **Planetary gearboxes**
- + **Fluid couplings**