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WMH Herion
part of your drive



VOGEL
ANTRIEBSTECHNIK

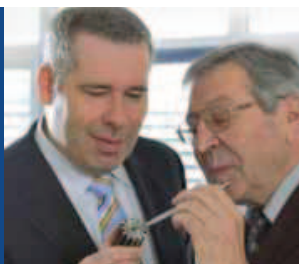
Rack & Pinion Drive





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2GETHER IN MOTION – VOGEL AND WMH HERION

Two innovative traditional companies – one joint objective: maximum product and process quality through the exclusive combination of top-class components.

The cooperation between VOGEL Antriebstechnik and WMH Herion is based on the initiative for more efficiency, quality and precision. To achieve these, we consistently exploit synergies: Our product qualities complement each other perfectly. Our large range of technically mature products enables us to offer unique and perfectly matching rack and pinion drives. In brief: Our customers benefit from the decades of development, manufacturing and consultation skills acquired by two system suppliers who deliver to a high quality level which is recognised the world over. And from the product flexibility which we can provide thanks to our leading position in customer-specific development.

2gether in motion – quality connects.

Wilhelm Vogel GmbH **Antriebstechnik**

FUTURE IN MOTION.

For more than 60 years, VOGEL Antriebstechnik has been making a name for itself as a medium-sized, owner-managed family business for innovative and reliable technology in gearbox construction for industrial applications. Our world moves with rated torques from 10 Nm to 25000 Nm. Our range of standard solutions extends from classic machinery gearboxes through compact technology for coaxial and right-angle applications to our own high-precision servo products.

WMH Herion **Antriebstechnik GmbH**

PART OF YOUR DRIVE.

The development, design and production of drive technology – with a special focus on racks and spur gears as well as other gearing elements – have been at the centre of business activities at WMH Herion for more than 60 years. As a gearing specialist, we develop and produce individual customer-specific special solutions, standard components and complete systems. Gladly, we'll face up to the challenge of meeting even the most stringent demands placed on our products and services.

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AREAS OF APPLICATION – WE OFFER THE IDEAL SYSTEM

The combination of low-backlash planetary gearboxes with high-precision pinions and racks is extremely energy-efficient, precise, dynamic and convincing thanks to the long service life. Rack and pinion drives from WMH Herion and VOGEL enable even machine gantries weighing tonnes to be accelerated dynamically and positioned accurately down to the μm range.

Our comprehensive product portfolio makes ideal powerful applications possible for a wide range of different branches:

- Machine tools
- Drive and automation technology
- Robotics and handling
- Plastics and film processing machines
- Woodworking machines

Components you can rely on:

Gearbox

VOGEL planetary gearboxes combine maximum flexibility with high power density and make high torque transmission possible in the tightest of spaces.

Pinion

With high precision and load-bearing capacity as well as smooth running properties, the pinions from WMH Herion are extremely reliable power transmitters even during continuous operation.

Rack

Precision-ground racks from WMH Herion allow the rotary movement of the pinion to be transformed exactly into a linear movement



SOLUTIONS – AS INDIVIDUAL AS YOUR REQUIREMENTS



With our practical range of products we cover a wide spectrum of common requirements. The high-quality components which have been exactly matched to one another are top performers that have been designed for durability and precision. The choice is yours:

Plug & Move

Rack and pinion drive with pinion pre-mounted on the output shaft of the gearbox. You benefit from minimum assembly work and fast start-up.

Modular system

Purchase the rack and pinion drive as individual components – as a gearbox with matching pinion and rack. The components can be configured into a system quickly and economically.

Individual customised solutions

When we say “on request” we mean: everything is possible. You benefit from the flexibility of two specialist companies with development skills and a range of components that is quite unique in the world. We do everything in our power to ensure you get just the rack and pinion drive you require. From customising through more minor application-specific adaptation of our range components through adaptation of design sizes to the development of tailor-made solutions. Working with you, we design the optimum and most economic customised solution which is in no way inferior to our tried-and-trusted series products in terms of either quality or efficiency.

Accessories direct from the OEM

All mounting pieces can be purchased optionally.

Lubricating systems

We realise the lubricating concept in close cooperation with you. For suitable lubrication technology applications please contact our experts at:



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Schmiersysteme

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QUALITY WITHOUT COMPROMISE

1. High Precision Gearboxes

with a splined shaft connection on the output shaft

with reduced backlash and rack in 5h23 quality, pinion in 5e24 quality.

2. Precision Gearboxes

with a keyway connection on the output shaft

MPRN with standard clearance and rack in 6h25 quality, pinion in 7e25 quality.

3. Rack dimensions

In Q5, the rack can be delivered as 1 m or 0.5 m as standard. In Q6, the rack can be delivered as 2 m, 1 m or 0.5 m as standard.

The quality of the rack and pinion drive depends on its installation situation in the machine.

We can take components fitted near the drive or on the machine into account to a certain extent, but we cannot modify these.

