

FUTURE IN MOTION



W E L C O M E T O V O G E L A N T R I E B S T E C H N I K

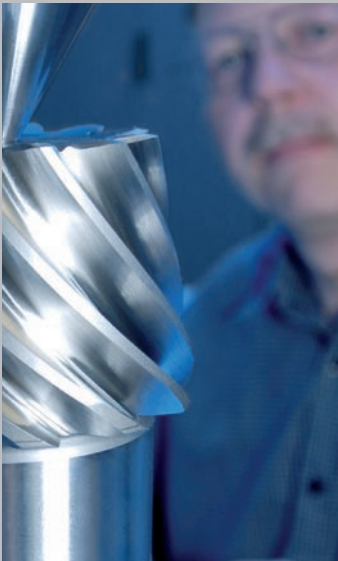
Now in the hands of the third generation, our company stands for innovative and reliable technology in the realms of gearbox manufacturing for industrial applications. Our customers value us as fair and competent partners in the development of high-quality product solutions which prove their worth through precision, longevity and high power density. Keeping a permanent watch on the requirements of our target markets, and our high innovation potential, we aim to set standards. For maximum economy, for highest quality and for convincing service in the field of drive technology.

We've got a lot planned. We'd like to give you some exciting insight into this process with this brochure.

FUTURE IN MOTION

Competency in all manufacturing processes, consistency in quality-consciousness as well as continuity in our enthusiasm for market and product – that's our mainspring – that's what motivate us. And has done for more than 60 successful years. Because the only constant is change.





S P E C T R U M

The world of the VOGEL Antriebstechnik moves with nominal output torques between 10 Nm and 25000 Nm. Our range of standardised solutions extends right from the classic machinery gearboxes, through compact technology for coaxial- and right-angle applications to our own high-precision servo products.

Always in the spotlight: Dynamic development of all existing series with the aim of realising technologically and thus economically optimum drives for our customers.



Spiral bevel gearboxes

Ratio:
0,5 – 6

Nominal output torque:
10 – 8500 Nm

- Universal application
- Easy to install and suit
- Designed with the machine in mind
- Efficient and reliable
- Available in different versions

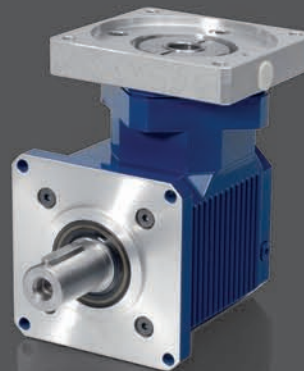


Bevel helical gearboxes

Ratio:
6 – 48

Nominal output torque:
100 – 13000 Nm

- In eight sizes – universal
- Easy to handle
- Quiet running
- High power density
- Available in different types

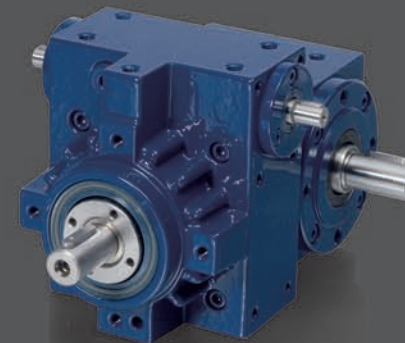


Servo spiral bevel gearboxes

Ratio:
3 – 10

Nominal output torque:
up to 150 Nm

- For toughest demands in dynamics
- Flexible
- Robust and durable
- For any installation position due to a flexible lubrication system



Phase shifter gearboxes

Ratio:
1 – 3

Nominal output torque:
50 – 2500 Nm

- Unbeatable in the printing industry
- Highest levels of reliability and precision
- For maximum flexibility
- As a combination with a spiral bevel stage



Low backlash planetary gearboxes

Ratio:

3 – 100

Nominal output torque:

50 – 1000 Nm

- Universal application through a particularly compact, symmetrical design and an flexible motor connection
- Makes less noise
- For high acceleration torque



Planetary gearboxes

Ratio:

3 – 245

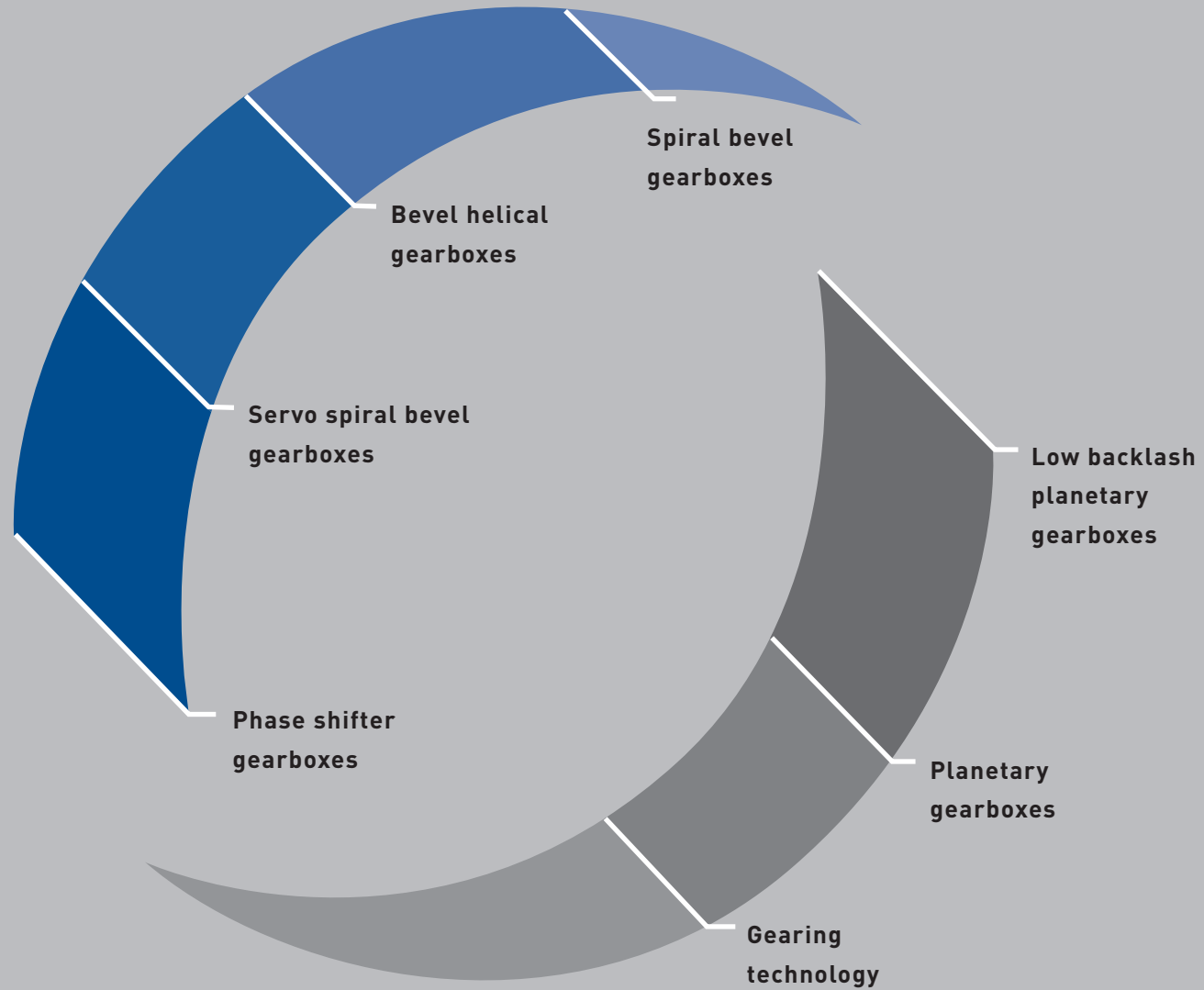
Nominal output torque:

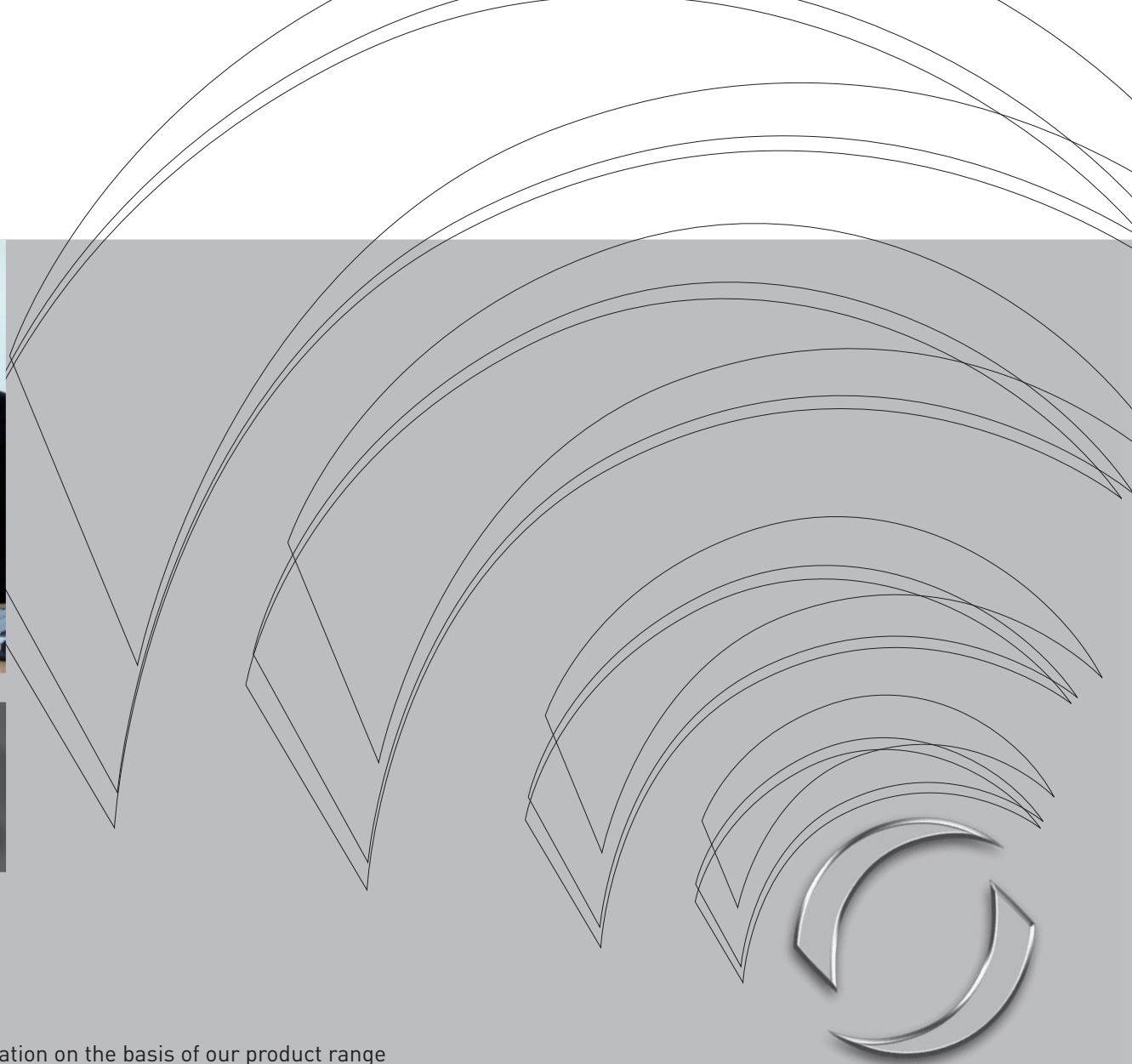
up to 25000 Nm

- For higher torque requirements and with a compact shape
- Compact drive technology for coaxial applications where especially high power densities are required
- Smooth-running even at high speeds

All VOGEL gearboxes can be combined with one another. In this way, you can benefit from the advantages of different types of gearbox.

THE WORLD OF DYNAMICS





SPECIAL SOLUTIONS

Whether you need smaller adjustments for a specific application on the basis of our product range or something completely individual. We'll supply you with exactly the gearbox you're looking for:

You need a special shaft? A special motor flange? Or an ATEX gearbox?

That's how flexible we are. Together, we'll look for a cost-optimised special solution which will match any of our series production in quality and efficiency.

INNOVATION IN THE PROCESS



Special spiral bevel gearboxes

Examples:

- In stainless steel, e.g. for the food industry
- With forced oil lubrication for printing machinery
- For high-speed saw drives



Special solution for mobile drive technology

Examples:

- Drive units for material handling vehicles
- For ventilator motors in passenger transport
- For power transmissions to auxiliary drives in lorries



Special planetary gearboxes for high-speed applications

Examples:

- In explosion proof design (ATEX) for use offshore
- Drive units for agitators and blending technology
- For high-dynamic applications in the high bay warehouse



Gearing technology

External gear cutting:

- Spur or helical
- Milled or ground

Bevel gear cutting:

- Spiral-cut
- Milled, lapped or ground

Internal gear cutting:

- Spur or helical



B R A N C H E S

We are open in thought and action. That is why we always enjoy new challenges, new tasks and new branches which would like to benefit from our abilities. Fundamentally, there are no limits at all to where our products can be used, because VOGEL Antriebstechnik is universal and reliable and can be installed in the most widely-varied environments.

VOGEL Antriebstechnik is successfully being used in:

- Packaging machinery
 - Plastics and film processing machines
 - Printing machinery
 - Paper processing
 - Robotics and handling
 - Drive and automation engineering
 - Machine tools
 - The food and pharmaceutical industry
- and many more besides

COMPETENCE IN THE MARKET

VOGEL Antriebstechnik is found everywhere, where machinery is built. That applies to industrial sectors just as well as for production locations. Wherever you manufacture, we will be at your side.

Internationally, our customers are taken care of by our distribution and service partner Lenze. That means we have a presence in the important markets and globally the possibility of access to our competence and product range.



P E R F O R M A N C E

More than 230 outstandingly-trained staff stand behind the VOGEL Antriebstechnik name in development, manufacture and administration, and they enrich the company day by day with know-how, personality and great enthusiasm and thus guarantee excellent performance long-term. We keep up the level of competence by means of an intensive programme of training and further education as well as communication and knowledge management in all sectors and at all levels of our company. And the result: drive technology keeping time with the times.



PARTNERSHIP

Efficiency and safety from the first discussions of a project to the finished product and beyond – that is the target of our offensive in quality management and service management.

We consult initially in detail and individually in accordance with the requirements of your application. Once the ideal solution is decided upon, we produce flexibly and on schedule, precisely in tune with your manufacturing processes.



Since our products are extremely easy to install, durable and virtually maintenance-free, you can count on trouble-free manufacturing processes over the whole of the product life cycle.



FOR TECHNOLOGY

Should you still need our support at some stage, there is a world-wide service network available to help within the shortest response time to supply you with a replacement gearbox or an on-site repair. So that your production line keeps on running!



Wilhelm Vogel GmbH Antriebstechnik

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