



RUHRGETRIEBE

1953 | 2023

70

Years

YOUR DRIVING
FORCE

Gearboxes and Geared Motors

Product Overview

Revision V11/2025-201EN

Before we drive, we listen.
ruhrgetriebe.de

MADE  IN
GERMANY

WHAT WE STAND FOR

Reliability, Precision and Customer Proximity

Since 1953 our mission has been to breathe life into our customers' machines. We develop and supply efficient drive components for almost every industrial sector. On our assembly lines high-quality products are created, designed down to the smallest detail and manufactured with the utmost care.

Being a family-owned company means knowing where we come from, what we can do, what we want and what connects us. Our heart beats for your application. Drive technology is our passion.

In a globalised world the complexity of markets is often a challenge. As a machine manufacturer you should be able to focus entirely on developing and producing your own products.

Our task as drive specialists is to integrate current technological standards and directives into our drive solutions and to provide you with a perfectly matched drive unit.



Drives for a moving world

Since 1953 people have trusted us when it comes to motion. With our geared motors your world keeps turning reliably.



Extensive stock programme

Immediately available: high-quality gearboxes and geared motors for almost every industry. So you receive the right solution quickly and reliably.



Finding solutions together

We develop tailor-made drive solutions. From concept to implementation you receive everything from a single source.



Complete drive systems

Ruhrgetriebe offers a wide range of gearboxes and geared motors. For every requirement we find the perfect solution.



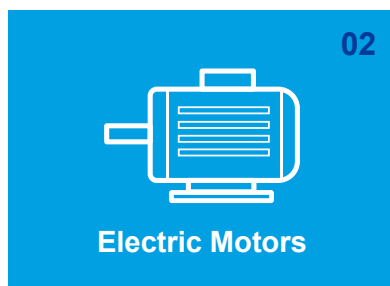
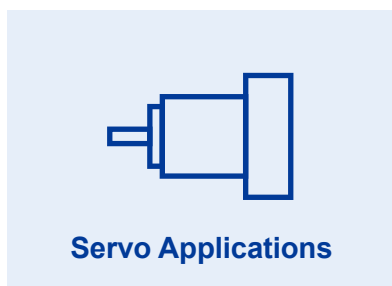
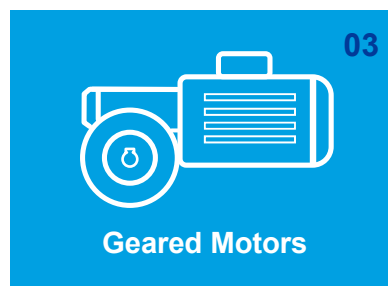
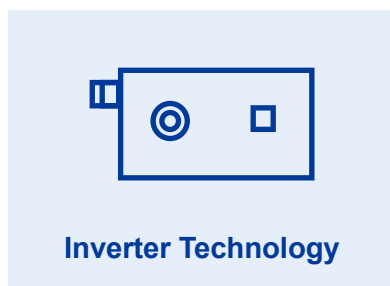
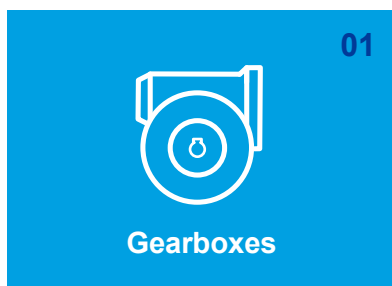
Flexible modular system

Special shafts, custom flanges or individual add-ons. We implement your requirements quickly and precisely.

BEFORE WE DRIVE,
WE LISTEN

PRODUCT GROUPS

Manufacturer of efficient drive solutions



INDUSTRY OVERVIEW

Over 70 years of drive power for all industries



Your application. Our drive power.
Together we find the right solution

PRODUCT LIFE CYCLE

Your Journey with Ruhrgetriebe

Keeping your drive reliable – today and tomorrow

A geared motor from Ruhrgetriebe is more than a single product. It is the result of close collaboration with our customers. To ensure your drive technology remains reliable, efficient and future-proof in the long term, we support you throughout the entire life cycle of your drive system. From the first idea to sustainable recycling, we work with you in partnership to create your solution.

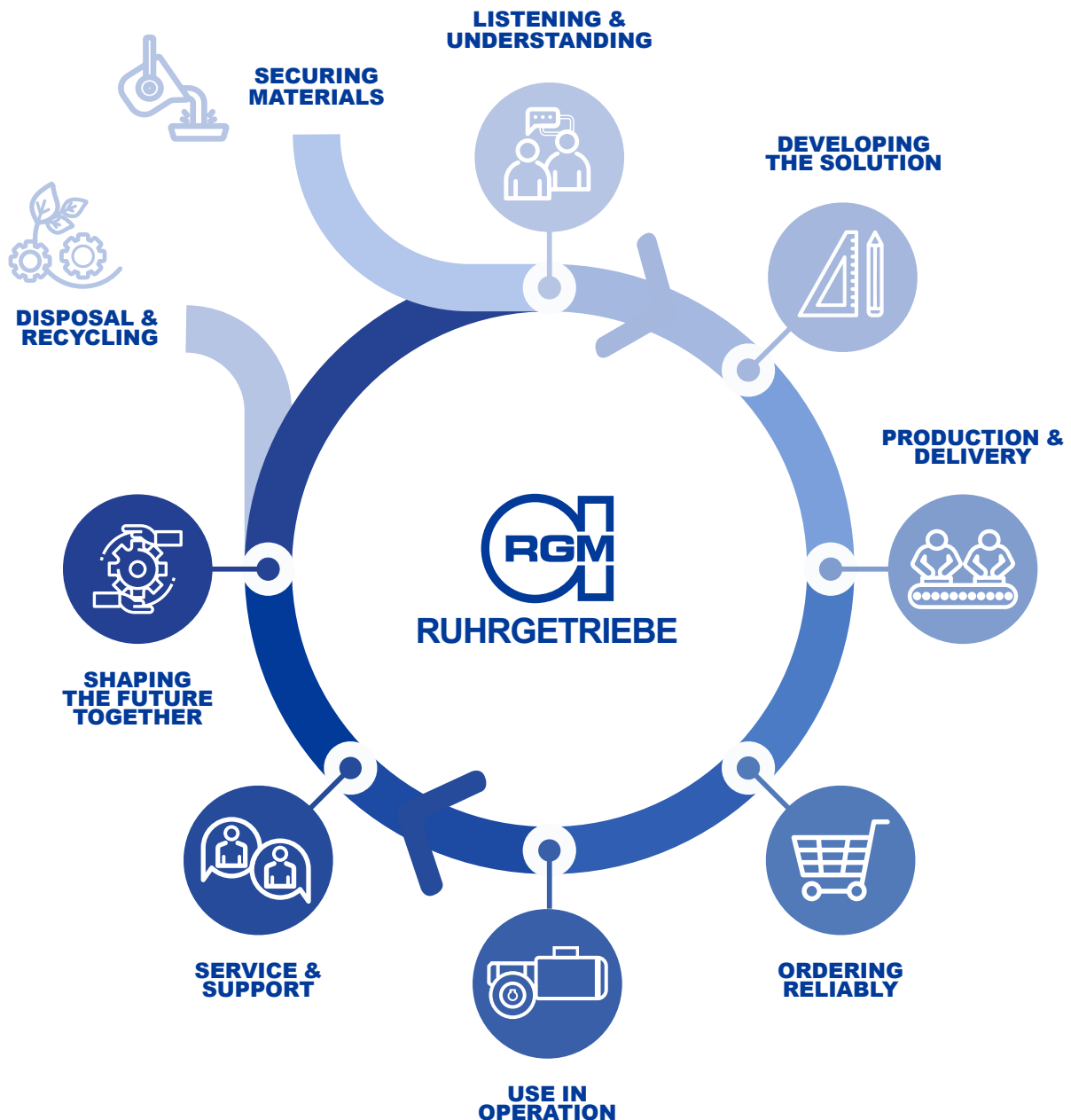
We listen and understand your requirements. We develop customised solutions and deliver your products reliably. Through a simple and transparent ordering process you receive your drives quickly and securely.

In daily operation we support you with service and assistance. At the same time we continuously develop our technology to meet your future requirements already today.

Through recycling and the responsible use of raw materials we close the loop.

This creates a partnership that extends across the entire product life cycle.

In this way we ensure that your drive not only works reliably today, but that you remain flexible and competitive in the future.



YOUR ADVANTAGES

The Ruhrgetriebe Life Cycle in Detail

We support your drive solutions from the first idea to recycling

01 Securing materials

We use tested materials and maintain a reliable supply chain. This ensures that your drives remain available in the long term and are manufactured with consistent quality.

02 Listening and Understanding

Whether for a new machine or a retrofit, we listen and analyse your requirements together with you. Whether a standard geared motor with customisation or a complete new development, since 1953 we have provided guidance and confidence.

03 Developing the solution

We develop your drive solution step by step together with you. Load, installation space, interfaces and operating conditions are defined in close coordination to create a solution that works and fits perfectly.

04 Production and Delivery

We manufacture your gearbox according to your specifications. Many models are available from stock or preassembled. We implement special versions flexibly so you are quickly ready for operation.

05 Ordering reliably

We ensure that your solution arrives exactly as required. On time, documented and securely packed. From single orders to spare parts or series production, personally managed from start to finish.

06 Use in operation

We support the entire service life of your application with spare parts, maintenance and advice whenever you need it.

07 Service and Support

Whether spare parts or product information, everything is digitally available and ready for use. The digital nameplate ensures that we can identify the right geared motor even after many years. Our support, maintenance and experienced service teams provide long-term reliability.

08 Shaping the future together

We think ahead with you. When requirements change, we adapt your drive solutions or plan complete system replacements together.

09 Recycling sustainably

We complete the life cycle through recycling and the responsible use of resources. We also pay attention to the CO₂ footprint of our products.

DIGITAL SERVICES

Digital Tools along the Product Life Cycle



Try now

Digital Assistant "Toni"

Answers your questions in real time and guides you safely through our world of drives. Ideal for quick support and technical queries.



Try now

Digital Nameplate

Identifies the correct replacement geared motor even after many years. Product information is available at any time via ID or QR code.



Try now

Product Finder

Finds the right drive solution in just a few steps. Fast, intuitive and precisely tailored to your application.

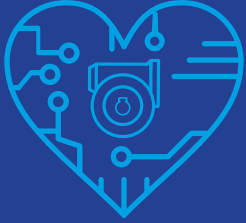


Try now

Downloads and CAD data

Provides technical data sheets, CAD files and other documentation immediately online. All relevant information for planning and design instantly available.

GEARBOX AND ELECTRIC MOTOR



More than the sum of its parts

Since 1953 Ruhrgetriebe has stood for drive solutions that are created in close cooperation with our customers. With experience and innovation, we create geared motors that perfectly fit your application.

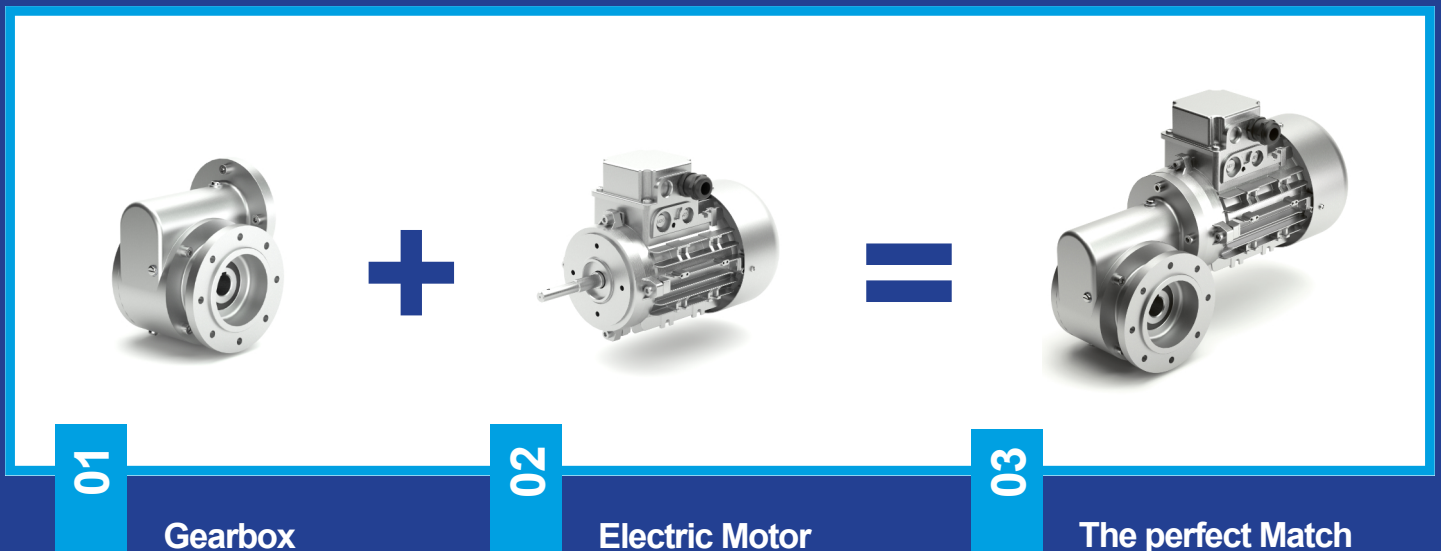
Compact, efficient and reliable, we accompany you from the first idea to series production.

Our drive technology is as flexible as your requirements and always offers the right solution. We pay attention to every detail and deliver a result that convinces technically, is practical to use and remains reliable in the long term.

In short:

The perfect match for your application.

Two components. One moving solution.



High Efficiency
Energy-optimized for maximum performance



Great Flexibility
Modular system with many combination options



Customized Solutions
Precisely tailored to your application

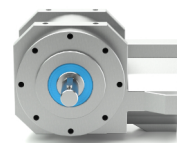


Fast Availability
From single units to series production



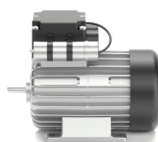
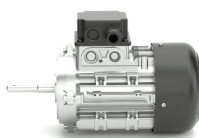
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GEARBOXES



	Worm Gear Units	Planetary Gear Units	Helical Gear Units	SpeeroX Gear Units
Series	18 standard series	2 standard series	11 standard series	1 standard series
Rated torque [Nm]	2 – 205	7 – 92	15 – 380	15 – 25
Gear ratios [i =]	(1-stage) 2.5 – 167 (2-stage) 7.0 – 8000	3 – 512	1.14 – 372.35	15, 24, 49
Motor mounting	IEC standard flange, special dimensions	IEC standard flange	IEC standard flange	IEC standard flange

MOTORS



	Three-phase Asynchronous Motors	Single-phase Asynchronous Motors	DC Motors (with/without brushes)	Smooth-body Motors
Power [kW]	0.032 – 1.50	0.032 – 1.10	0.028 – 0.093	0.09 / 0.20
Voltage [V]	(50 Hz) 230 / 400 (60 Hz) 277 / 480	230	24	230 / 400
Protection class	IP54 – 65	IP54 – 55	IP40 – 55	IP56
Mounting position	B3, B14	B3, B14	B3, B14	B3, B14
Mounting flange	Customer-specific, IEC-compliant	Customer-specific, IEC-compliant	Customer-specific	Customer-specific

DRIVE COMPONENTS



	EASY-Line Frequency inverter	SMART-Line Frequency inverter	Integrated motor control electronics
Series	Easy370, Easy750	E250, E1100, PW250	Various series
Power range [kW]	0.09 – 0.75	0.09 – 1.10	0.03 – 0.30
Properties	The manual solution	The intelligent solution	1Q- or 4Q-Controller
Functions	On/off switch, integrated potentiometer	Various functions	Various functions
Application area	Three-phase asynchronous motors	Three-phase asynchronous motors	Brushless DC motors



	Flange gearbox	Foot gearbox	Motor foot	Solid shaft	Hollow shaft	Max. output torque [Nm]	Gear ratios [i =]	Asynchronous motor	Direct Current motor	Single-phase motor	Smooth-body motor
							Gear ratios based on input speeds of 1400 rpm and 2800 rpm. Further combinations available on request.				
SN15											
SN15	(✓)	✓		✓		2,5 – 4,7	110, 68, 40, 30, 21, 15, 10,5, 7, 3		✓		
SN15H	(✓)	✓			✓	2,5 – 4,7	110, 68, 40, 30, 21, 15, 10,5, 7, 3		✓		
SN5											
SN5			✓	✓		5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5FL	✓			✓		5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5FR	✓			✓		5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5BH	(✓)		✓	✓	✓	5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5VH	(✓)	✓		✓	✓	5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5FLH	✓				✓	5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN5FRH	✓				✓	5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN18											
SN18	(✓)	✓		✓		5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN18H	(✓)	✓			✓	5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓	✓	✓	✓
SN14											
SN14	(✓)	✓		✓		5 – 15	167, 100, 75, 55, 50, 38, 30, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	✓		✓	✓
SN14H	(✓)	✓			✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓		✓	✓
SN3											
SN3B			✓	✓		11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓		✓	
SN3B4		✓		✓		11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3S		✓		✓		11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3F	✓			✓		11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3FL	✓			✓		11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3VH	(✓)	✓			✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3BH			✓		✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓		✓	
SN3BFH	(✓)				✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3BHFL	✓				✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3FH	✓				✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN3FLH	✓				✓	11 – 17	75, 56, 50, 38, 32, 30, 28, 24, 20, 17, 15, 12, 11, 7, 5	✓	✓	✓	✓
SN9											
SN9B			✓	✓		23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9BN			✓	✓		23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9SH		✓		✓		28 – 45	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9SV		✓		✓		28 – 45	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9F	✓			✓		23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9VH	(✓)	✓			✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9BH			✓		✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9BFH	(✓)				✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9FH	✓				✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9SHH		✓			✓	28 – 45	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	
SN9SVH		✓			✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	✓		✓	

(✓) = B14 flange



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Worm Gear Units

Single-Stage

SN8

	Flange gearbox	Foot gearbox	Motor foot	Solid shaft	Hollow shaft	Max. output torque [Nm]	Gear ratios [i =]	Asynchronous motor	Direct Current motor	Single-phase motor	Smooth-body motor
SN8SH		✓		✓		67 – 141	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8SV		✓		✓		67 – 141	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8F	✓			✓		54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8SHH		✓			✓	54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8SVH		✓			✓	54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8FH	✓				✓	54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8BFH	(✓)				✓	54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	
SN8DSH	Torque Arm				✓	54 – 113	75, 60, 50, 38, 30, 25, 21, 15, 10, 7, 5	✓	✓	✓	

SN10

SN10SH	✓		✓			97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10SV	✓		✓			97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10F	✓			✓		97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10SHH	✓				✓	97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10SVH	✓				✓	97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10BFH	(✓)				✓	97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	
SN10FH	✓				✓	97 – 205	75, 66, 50, 36, 28, 20, 13, 6	✓		✓	



Single Gear Units

SN26H

SN26H A31	(✓)	✓		✓	✓	3,3 – 8,5	167, 75, 50, 38, 30, 25, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5	⚙️ Bevel gear unit, single- or double-sided output shaft	
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SN17

SN17A	✓			✓		5 – 15	167, 75, 50, 38, 30, 25, 24, 20, 18, 15, 12, 10, 8, 7, 5, 4, 2,5		
SN17B	✓			✓		11 – 17	75, 56, 50, 38, 32, 30, 24, 20, 17, 15, 12, 11, 7, 5	⚙️ Bevel gear unit, single- or double-sided output shaft	

SN9

SN9VH	(✓)	✓			✓	23 – 36	80, 75, 70, 60, 50, 44, 40, 30, 25, 20, 15, 12, 10, 8, 7	⚙️ IEC motor flange, suitable for electric motors sizes 63–71 Proven and flexible combination. Ideal for medium torques and universal applications.	
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ENEX

ENEX 15	✓	✓		✓		15 – 25	49, 24, 15	⚙️ Servo gear unit, Backlash <= 10 arcmin High efficiency up to 77 %	
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Flange gearbox
Foot gearbox
Motor foot
Solid shaft
Hollow shaft

Max. output torque
[Nm]

Gear ratios [i =]

Gear ratios based on input speeds of 1400 rpm and 2800 rpm.
Further combinations available on request.

Asynchronous motor
Direct Current motor
Single-phase motor
Smooth-body motor

SN4

SN4	✓	✓	6 – 7	5000, 4500, 4000, 3600, 3000, 2750, 2700, 2500, 2250, 2200, 2000, 1900, 1800, 1650, 1500, 1250, 1100, 900, 600, 500, 350, 250, 215, 150, 125, 100, 86, 70, 50, 25, 12.5, 10 *	✓	✓	✓	✓
SN4B		✓	6 – 7	5000, 4500, 4000, 3600, 3000, 2750, 2700, 2500, 2250, 2200, 2000, 1900, 1800, 1650, 1500, 1250, 1100, 900, 600, 500, 350, 250, 215, 150, 125, 100, 86, 70, 50, 25, 12.5, 10 *	✓		✓	✓
SN4F	✓		6 – 7	5000, 4500, 4000, 3600, 3000, 2750, 2700, 2500, 2250, 2200, 2000, 1900, 1800, 1650, 1500, 1250, 1100, 900, 600, 500, 350, 250, 215, 150, 125, 100, 86, 70, 50, 25, 12.5, 10 *	✓	✓	✓	✓

SN6

SN6		✓	11 – 15	4000, 3600, 3000, 2700, 2250, 2200, 2000, 1520, 1140, 900, 720, 570, 450, 400, 360, 300, 280, 250, 225, 180, 150, 125, 100, 90, 83.3, 70, 64.2, 50, 45, 42.8, 37.5, 30, 25 *	✓		✓	
SN6F	✓		11 – 15	4000, 3600, 3000, 2700, 2250, 2200, 2000, 1520, 1140, 900, 720, 570, 450, 400, 360, 300, 280, 250, 225, 180, 150, 125, 100, 90, 83.3, 70, 64.2, 50, 45, 42.8, 37.5, 30, 25 *	✓		✓	
SN6FH	✓		11 – 15	4000, 3600, 3000, 2700, 2250, 2200, 2000, 1520, 1140, 900, 720, 570, 450, 400, 360, 300, 280, 250, 225, 180, 150, 125, 100, 90, 83.3, 70, 64.2, 50, 45, 42.8, 37.5, 30, 25 *	✓		✓	

SN2

SN2	✓	✓	19 – 25	5000, 4500, 4000, 3750, 3000, 2500, 2200, 1500, 1250, 1125, 900, 800, 750, 720, 600, 550, 500, 450, 400, 350, 300, 240, 200, 125, 100, 90, 84, 80, 67, 50, 42, 25, 20, 12, 7 *	✓		✓	
SN2F	✓		19 – 25	5000, 4500, 4000, 3750, 3000, 2500, 2200, 1500, 1250, 1125, 900, 800, 750, 720, 600, 550, 500, 450, 400, 350, 300, 240, 200, 125, 100, 90, 84, 80, 67, 50, 42, 25, 20, 12, 7 *	✓		✓	

SN12

SN12	✓	✓	25	835, 500, 375, 250, 190, 150, 120, 100, 90, 75, 60, 50, 42, 35, 25, 21, 12.5	✓	✓	✓	✓
SN12F	✓		25	835, 500, 375, 250, 190, 150, 120, 100, 90, 75, 60, 50, 42, 35, 25, 21, 12.5	✓	✓	✓	✓
SN12X		✓	29 – 35	740, 443, 332, 222, 168, 133, 106, 89, 80, 66, 53, 44, 37, 31, 22, 19, 11.1	✓	✓	✓	✓
SN12FX	✓		29 – 35	740, 443, 332, 222, 168, 133, 106, 89, 80, 66, 53, 44, 37, 31, 22, 19, 11.1	✓	✓	✓	✓
SN12FH	✓		25	835, 500, 375, 250, 190, 150, 120, 100, 90, 75, 60, 50, 42, 35, 25, 21, 12.5	✓	✓	✓	✓
SN12FHX	✓	✓	29 – 35	740, 443, 332, 222, 168, 133, 106, 89, 80, 66, 53, 44, 37, 31, 22, 19, 11.1	✓	✓	✓	✓

SN11

SN11	✓	✓	35 – 36	8000, 4500, 4000, 3750, 3000, 2500, 2250, 1500, 1250, 1140, 1350, 1125, 800, 750, 600, 550, 500, 450, 400, 380, 350, 300, 240, 200, 125, 100, 67, 50, 42, 25, 16.9 *	✓		✓	
SN11F	✓		35 – 36	8000, 4500, 4000, 3750, 3000, 2500, 2250, 1500, 1250, 1140, 1350, 1125, 800, 750, 600, 550, 500, 450, 400, 380, 350, 300, 240, 200, 125, 100, 67, 50, 42, 25, 16.9 *	✓		✓	

SN13

SN13	(✓)	✓	39 – 50	987, 591, 443, 325, 295, 225, 177, 142, 118, 106, 89, 71, 59, 49, 41, 30, 25, 15	✓		✓	
SN13F	✓		39 – 50	987, 591, 443, 325, 295, 225, 177, 142, 118, 106, 89, 71, 59, 49, 41, 30, 25, 15	✓		✓	
SN13H		✓	62 – 70	428, 319, 217, 182, 171, 160, 137, 114, 97, 86, 65, 40, 29, 20	✓		✓	
SN13FH	✓		62 – 70	428, 319, 217, 182, 171, 160, 137, 114, 97, 86, 65, 40, 29, 20	✓		✓	

SN7

SN7	✓	✓	72 – 113	3750, 3000, 2500, 2400, 1520, 1125, 1050, 900, 750, 600, 570, 500, 450, 400, 386, 360, 315, 300, 276, 250, 225, 200, 190, 180, 150, 120, 116, 105, 80, 70, 53.4, 23.8, 13.2 *	✓			
SN7F	✓		72 – 113	3750, 3000, 2500, 2400, 1520, 1125, 1050, 900, 750, 600, 570, 500, 450, 400, 386, 360, 315, 300, 276, 250, 225, 200, 190, 180, 150, 120, 116, 105, 80, 70, 53.4, 23.8, 13.2 *	✓			
SN7S	✓	✓	140	3750, 3000, 2500, 2400, 1520, 1125, 1050, 900, 750, 600, 570, 500, 450, 400, 386, 360, 315, 300, 276, 250, 225, 200, 190, 180, 150, 120, 116, 105, 80, 70, 53.4, 23.8, 13.2 *	✓			

SN19

SN19	✓	✓	139 – 150	394, 370, 345, 296, 247, 217, 197, 148, 123, 99, 74, 59, 49, 39, 33	✓			
SN19F	✓		139 – 150	394, 370, 345, 296, 247, 217, 197, 148, 123, 99, 74, 59, 49, 39, 33	✓			
SN19H		✓	139 – 150	394, 370, 345, 296, 247, 217, 197, 148, 123, 99, 74, 59, 49, 39, 33	✓			
SN19FH	✓		139 – 150	394, 370, 345, 296, 247, 217, 197, 148, 123, 99, 74, 59, 49, 39, 33	✓			



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DISCOVER THE STRENGTH OF COOPERATION



INNOVATION
SHAPING TOGETHER



Planetary Gear Units

1-, 2-, 3-stage

RPS

1-stage	RPS040	✓	✓	14 – 16	1	40	23 – 25	0.3	≤ 15	8, 7, 5, 4	✓	✓	✓
	RPS060	✓	✓	26 – 39	1	60	52 – 68	0.9	≤ 10	8, 7, 5, 4, 3	✓	✓	✓
	RPS080	✓	✓	64 – 92	1	80	128 – 184	1.9	≤ 7	8, 7, 5, 4, 3	✓	✓	✓

RPL

1-stage	RPL050	✓	✓	7	1	50	14	0.6	≤ 10	10, 7, 5	✓	✓	✓
	RPL070	✓	✓	23 – 24	1	70	46 – 48	1.8	≤ 8	10, 7, 5, 3	✓	✓	✓
	RPL090	✓	✓	37 – 60	1	90	74 – 120	3.7	≤ 8	10, 7, 5, 3	✓	✓	✓

RPS

2-stage	RPS040	✓	✓	14 – 16	2	40	23 – 25	0.4	≤ 19	64, 56, 49, 40, 35, 32, 28, 25, 20, 16	✓	✓	✓
	RPS060	✓	✓	26 – 39	2	60	52 – 68	1.2	≤ 12	64, 56, 49, 40, 32, 25, 20, 16, 15, 12	✓	✓	✓
	RPS080	✓	✓	64 – 92	2	80	128 – 184	2.6	≤ 9	64, 56, 49, 40, 32, 25, 20, 16, 15, 12	✓	✓	✓

RPL

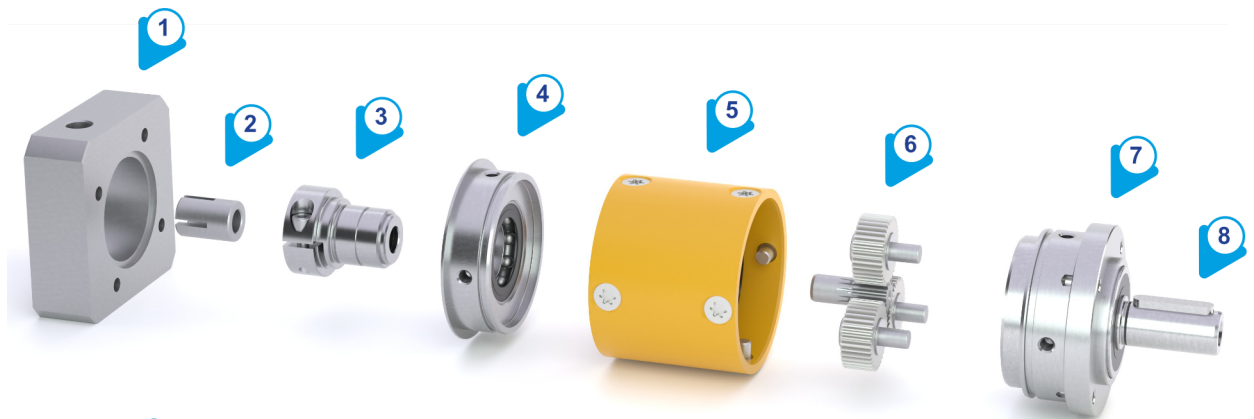
2-stage	RPL050	✓	✓	7	2	50	14	0.8	≤ 14	100, 70, 50, 35, 30, 25	✓	✓	✓
	RPL070	✓	✓	23 – 24	2	70	46 – 48	2.3	≤ 12	100, 70, 50, 35, 30, 25, 15	✓	✓	✓
	RPL090	✓	✓	37 – 60	2	90	74 – 120	4.6	≤ 11	100, 70, 50, 35, 30, 25, 15	✓	✓	✓

RPS

3-stage	RPS060	✓	✓	26 – 39	3	60	54 – 68	1.6	<= 15	512, 256, 200, 160, 125, 100, 80	✓	✓	✓
	RPS080	✓	✓	64 – 92	3	80	128 – 184	3.4	<= 11	512, 256, 200, 160, 125, 100, 80	✓	✓	✓

Modular planetary gearbox system

Configurable components



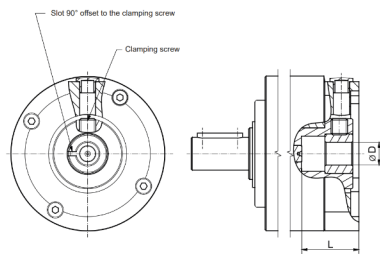
Optionen

1	Motor flange	Flexible motor connection, adaptable to standard and special motors
2	Reducer sleeve	Simple adaptation of shaft diameters without additional machining
3	Input shaft	Quick and secure clamping assembly for variable shaft diameters
4	Input flange	Mounted directly on the motor for stable connection to the gearbox
5	Housing	Robust design in various sizes (Ø 40–90 mm) for compact installations
6	Gear set	Wide transmission range with ratios from i = 3 up to 512 for almost any application
7	Output flange	Standardised B14 connection for easy integration
8	Output shaft	Various designs with fitting bore or keyway, matched to the application



Reducer sleeves

Series	Input shaft diameter $\varnothing D$ [mm]	Max. motor shaft length L max. [mm]						
		20	23	25	30	35	40	50
RPS040	6	✓						
RPS060	9	✓						
	11	✓	✓					
RPS080	11	✓	✓					
	14	✓	✓	✓	✓			
RPL050	8	✓	✓	✓				
	9	✓						
	11	✓	✓					
	12	✓	✓					
RPL070	14	✓	✓	✓	✓			
	9	✓						
	10	✓	✓					
	11	✓	✓					
RPL090	14	✓	✓	✓	✓			
	16	✓	✓	✓	✓	✓		
	19	✓	✓	✓	✓	✓	✓	
	24	✓	✓	✓	✓	✓	✓	✓

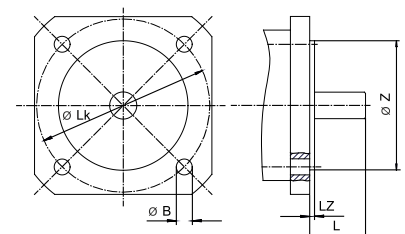


- ➔ **Available from stock**
Standard sizes available immediately
- ➔ **Flexible motor adaptation**
Suitable for various motor shaft diameters
- ➔ **Easy assembly**
No post-machining of the motor shaft required

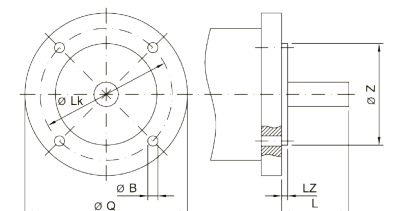
Motor flanges

Series	Centring diameter $\varnothing Z$ [mm]	Bolt circle diameter $\varnothing L_k$ [mm]	Max. centering depth LZ [mm]	Max. motor shaft length L [mm]	Thread size $\varnothing B$
RPS040	40	63	2.8	23	M5
	60	75	3.5	30	M5
RPS060	40	63	2.8	20	M5
	60	75	3.5	30	M5
	70	90	3.5	40	M6
	80	100	3.5	30	M6
RPS080	60	75	3.5	30	M5
	70	90	3.5	40	M6
	80	100	3.5	30	M6
	80	100	3.5	40	M6
RPL050	95	115	3.5	40	M8
	40	63	2.8	20	M5
	60	75	3.5	30	M5
RPL070	40	63	2.8	20	M5
	60	75	3.5	30	M5
	70	90	3.5	40	M6
	80	100	3.5	30	M6
RPL090	60	75	3.5	30	M5
	70	90	3.5	40	M6
	80	100	3.5	30	M6
	80	100	3.5	40	M6
	95	115	3.5	40	M8

S-Series



IEC-Series





Helical Gear Units Single-Stage

HG

	Flange gearbox	Foot gearbox	Motor foot	Solid shaft	Hollow shaft	Max. output torque [Nm]	Gear ratios [i =]	Asynchronous motor	Direct Current motor	Single-phase motor
							Gear ratios based on input speeds of 1400 rpm and 2800 rpm. Further combinations available on request.			
HG141	✓	✓	✓	✓		15 – 30	8.17, 7.46, 5.47, 4.79, 4.24, 3.40, 2.79, 2.33, 1.29	✓		✓
HG191	✓	✓	✓	✓		20 – 50	9.78, 7.82, 5.47, 4.71, 4.11, 3.22, 2.73, 2.23, 1.26	✓		✓
HG241	✓	✓	✓	✓		20 – 50	9.78, 7.82, 5.47, 4.71, 4.11, 3.22, 2.73, 2.23, 1.26	✓		✓
HG281	✓	✓	✓	✓		40 – 108	7.36, 5.57, 4.41, 3.84, 3.38, 2.83, 2.29, 1.56, 1.14	✓		✓
HG381	✓	✓	✓	✓		92 – 138	10.40, 7.36, 5.57, 4.75, 4.11, 3.38, 3.00, 2.29, 1.63	✓		✓



Helical Gear Units Multi-Stage

HG

	Flange gearbox	Foot gearbox	Motor foot	Solid shaft	Hollow shaft	Max. output torque [Nm]	Gear ratios [i =]	Asynchronous motor	Direct Current motor	Single-phase motor
							Gear ratios refer to input speeds of 1400 rpm and 2800 rpm. Further combinations available on request.			
HG162	✓	✓	✓	✓		37 – 71	52.48, 42.67, 35.14, 28.57, 25.51, 24.59, 20.74, 16.47, 14.63, 11.95, 9.80, 7.62, 7.11, 5.10, 3.70	✓		✓
HG202A	✓	✓	✓	✓		52 – 108	60.43, 54.20, 49.52, 44.77, 37.31, 31.71, 28.13, 25.43, 21.19, 18.01, 15.48, 14.00, 11.67, 9.92, 8.57, 7.75, 6.46, 5.49, 4.66, 3.81	✓		✓
HG252A	✓	✓	✓	✓		96 – 206	67.47, 61.33, 53.59, 49.04, 40.29, 36.86, 31.27, 25.75, 21.16, 19.35, 16.42, 14.01, 11.51, 10.53, 9.41, 8.93, 7.88, 6.47, 5.92, 5.02, 4.33, 3.70	✓		✓
HG253A	✓	✓	✓	✓		179 – 206	207.26, 188.42, 154.81, 141.61, 120.15, 108.83, 98.94, 81.29, 74.36, 63.09	✓		✓
HG302A	✓	✓	✓	✓		155 – 349	65.72, 57.69, 53.08, 46.59, 44.06, 40.18, 32.45, 26.94, 22.80, 19.58, 17.95, 14.50, 12.03, 10.18, 8.75, 7.76, 6.27, 5.20, 4.40, 3.78	✓		✓
HG303A	✓	✓	✓	✓		320 – 380	372.35, 300.74, 249.59, 208.12, 181.40, 172.72, 146.18, 133.23, 125.53, 107.61, 89.31, 75.58, 64.91	✓		✓

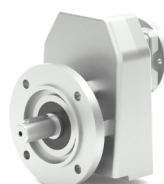
Mounting configurations

IEC mounting dimensions



N

Motor
with foot



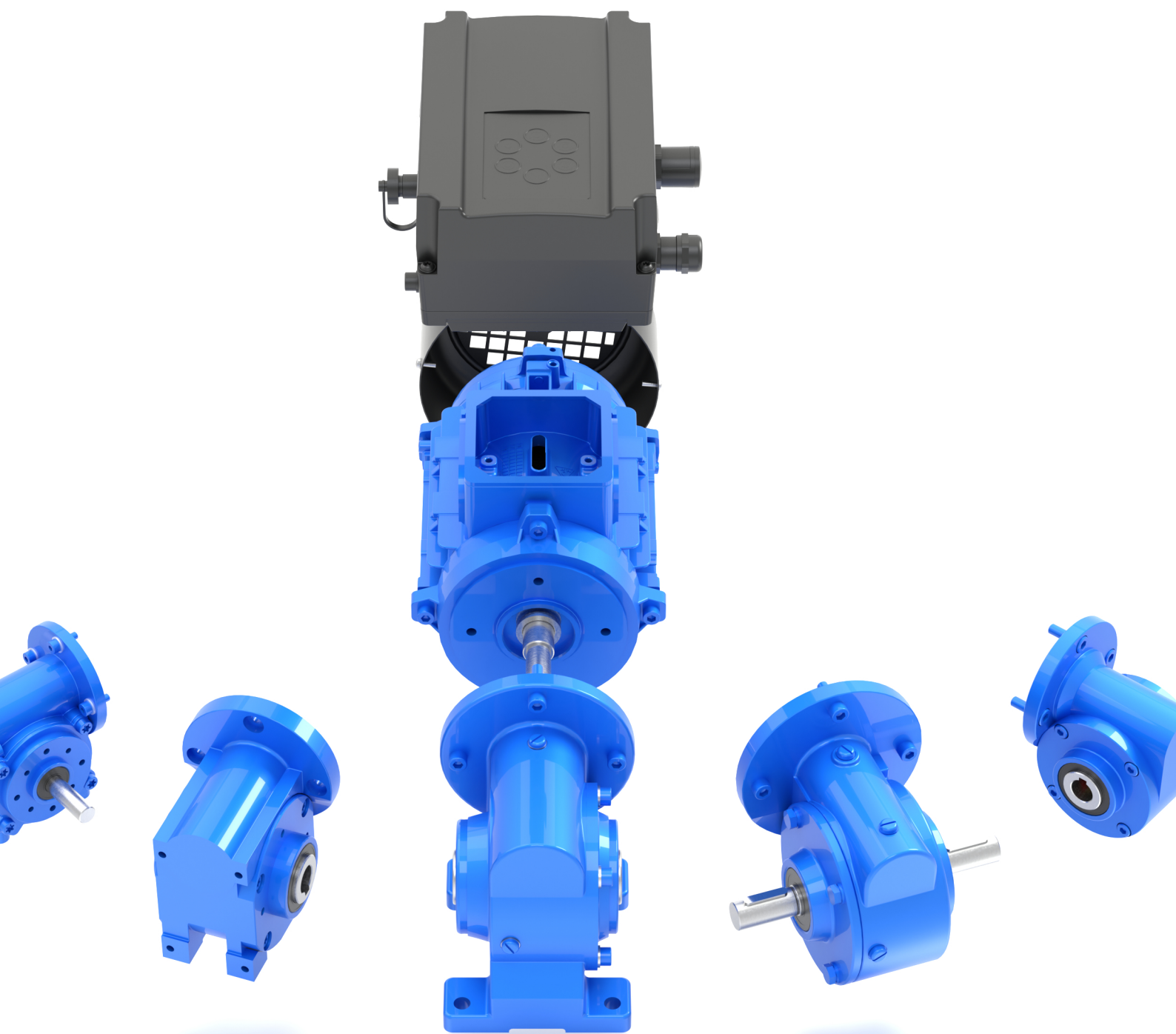
NF

Gearbox
with flange



P

Gearbox
with foot



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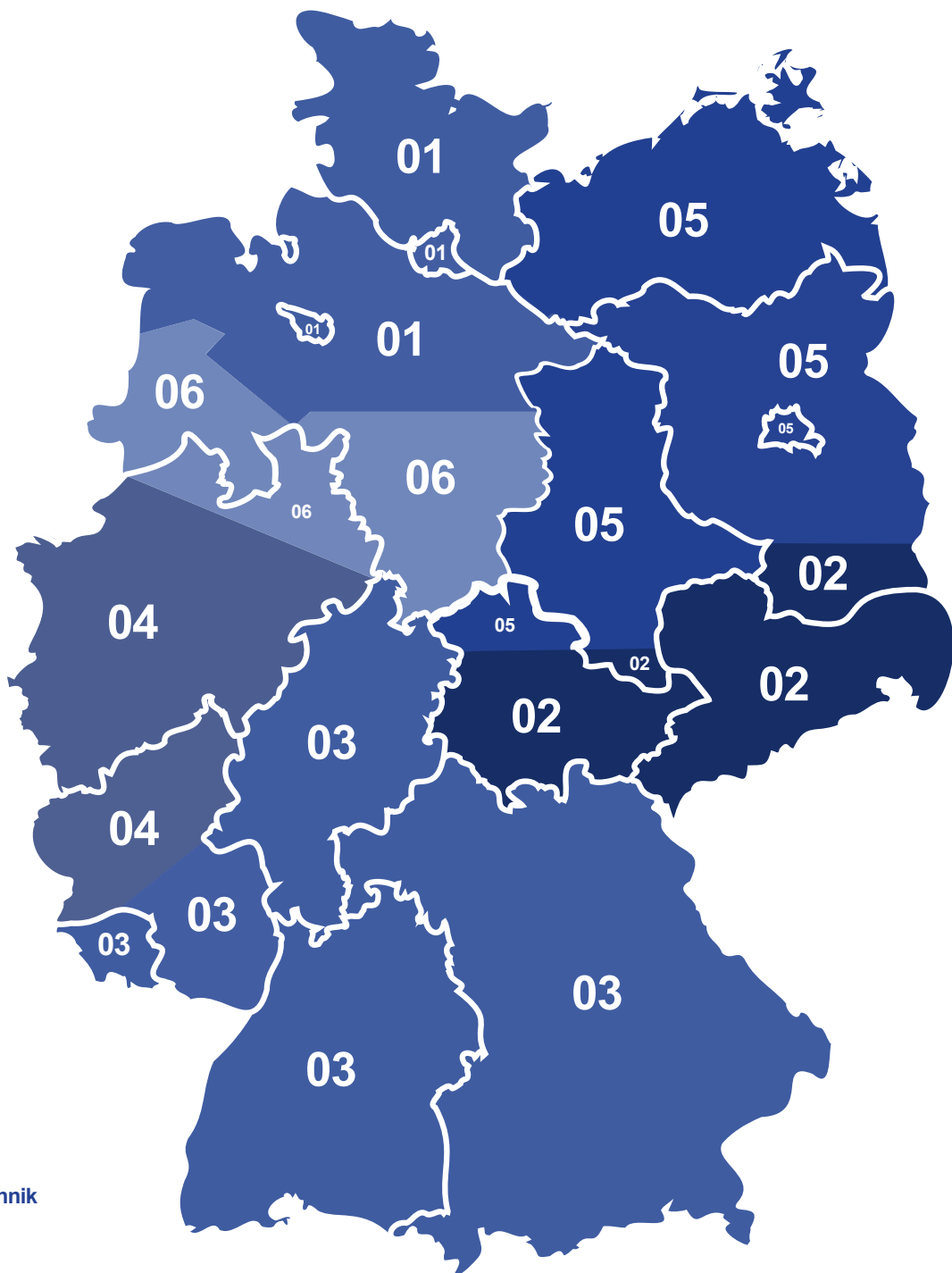
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06



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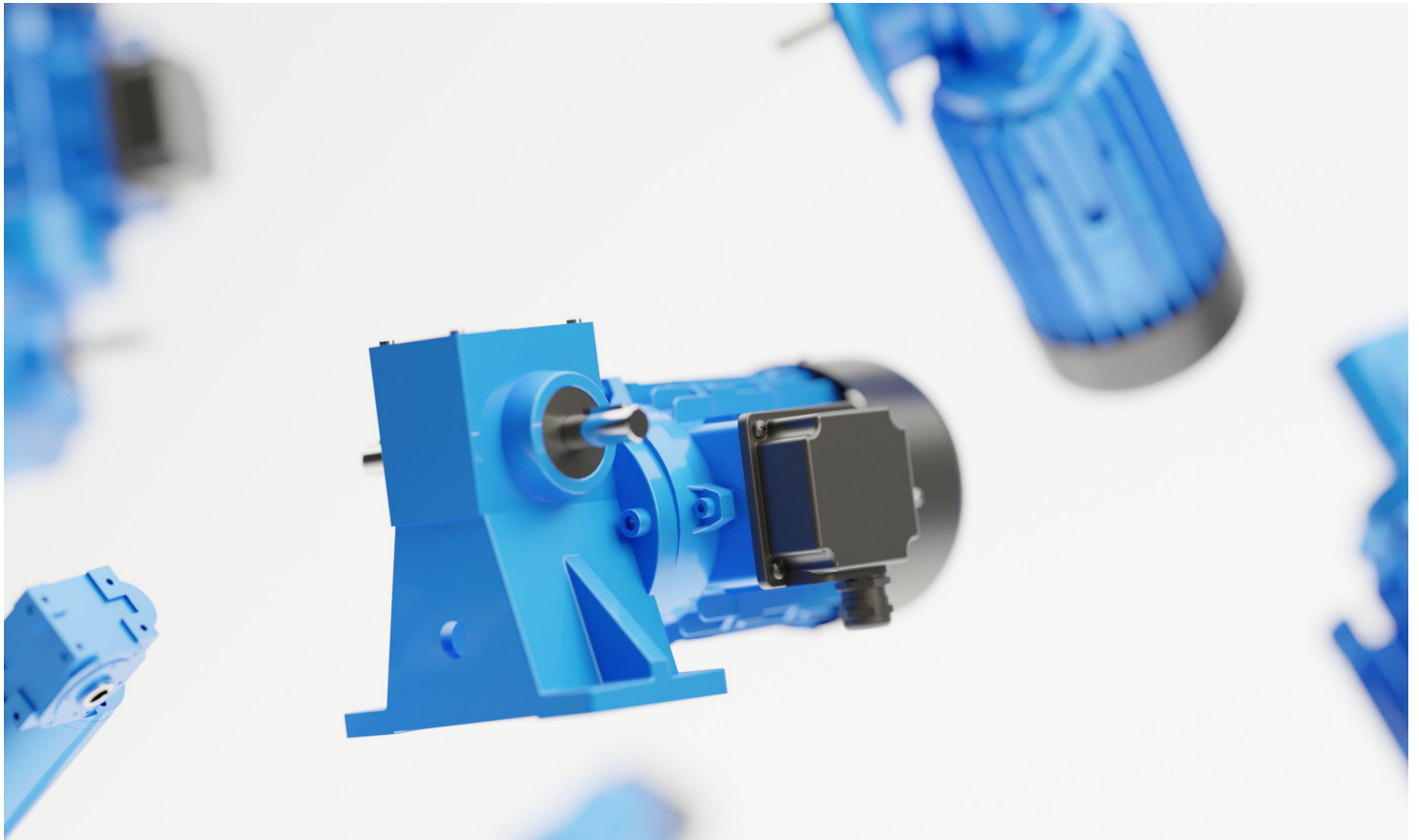
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