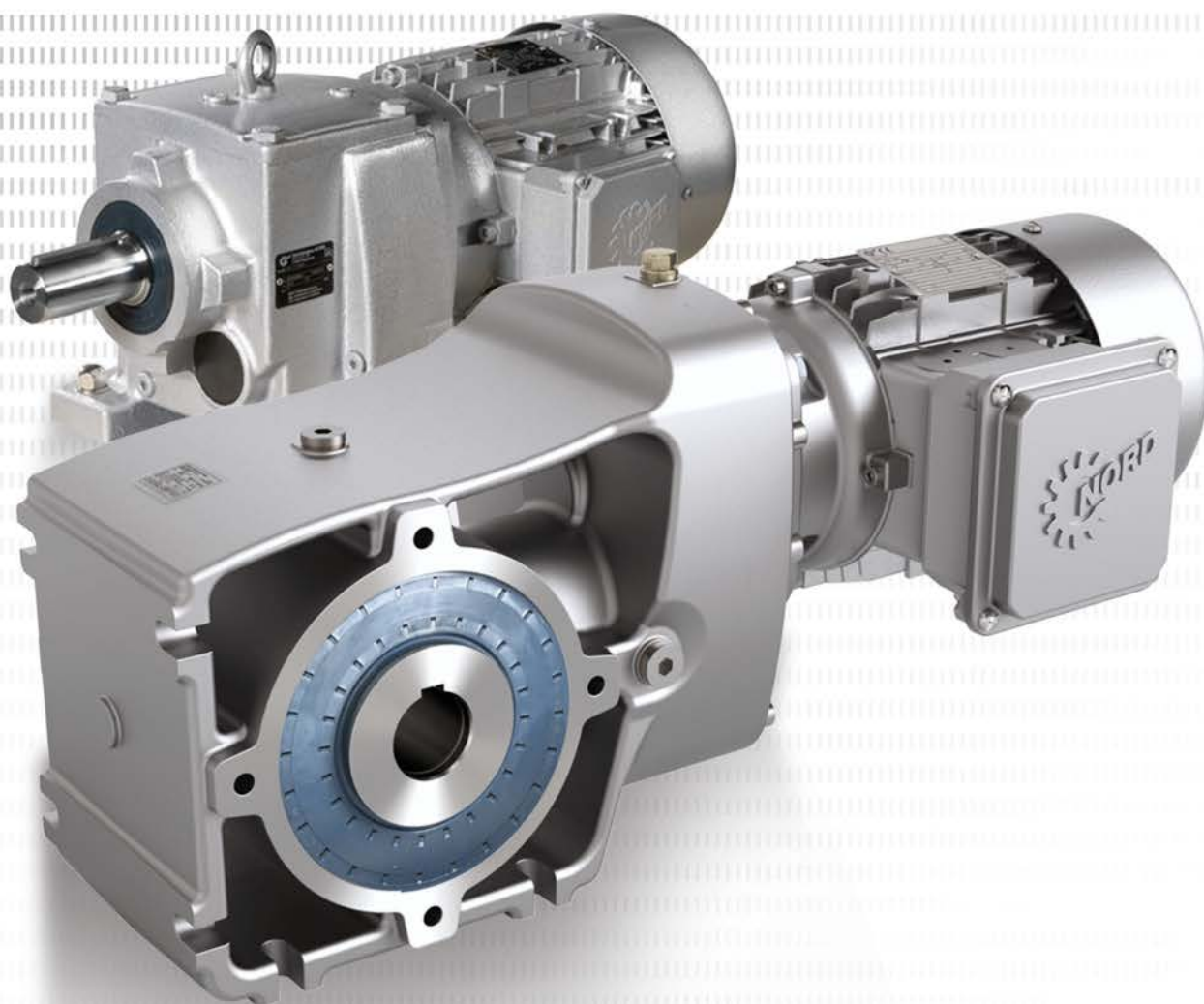
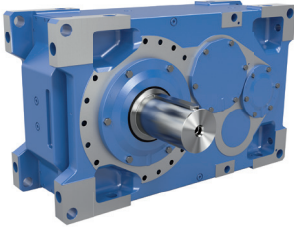




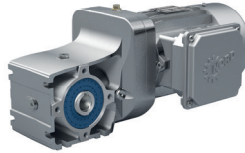
Gear units



NORD DRIVESYSTEMS Group



Industrial gear units



Geared motors



Frequency inverters and motor starters

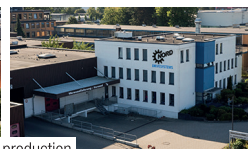
- ▶ Headquarters and technology centre in Bargteheide near Hamburg.
- ▶ Innovative drive solutions for more than 100 branches of industry.
- ▶ 7 production locations with cutting edge technology produce gear units, motors and drive electronics for complete drive systems from a single source.
- ▶ NORD has 51 subsidiaries in 36 countries and further sales partners in more than 50 countries, providing local stocks, assembly centres, technical support and customer service.
- ▶ More than 4,000 employees throughout the world create customised solutions.



Headquarters in Bargteheide



Gear unit production



Inverter production



Motor production



Production and assembly



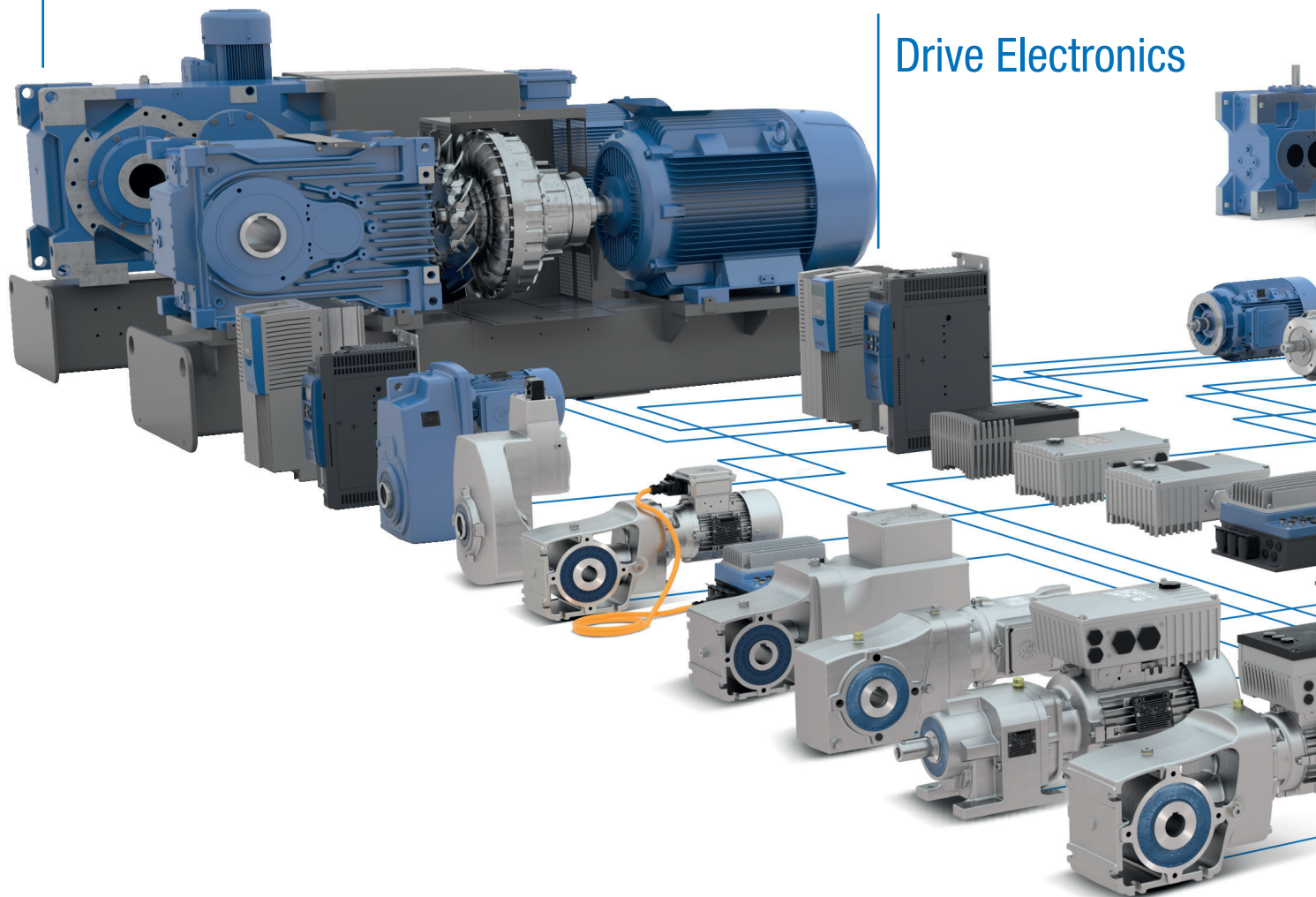
Motor mounting

Product overview

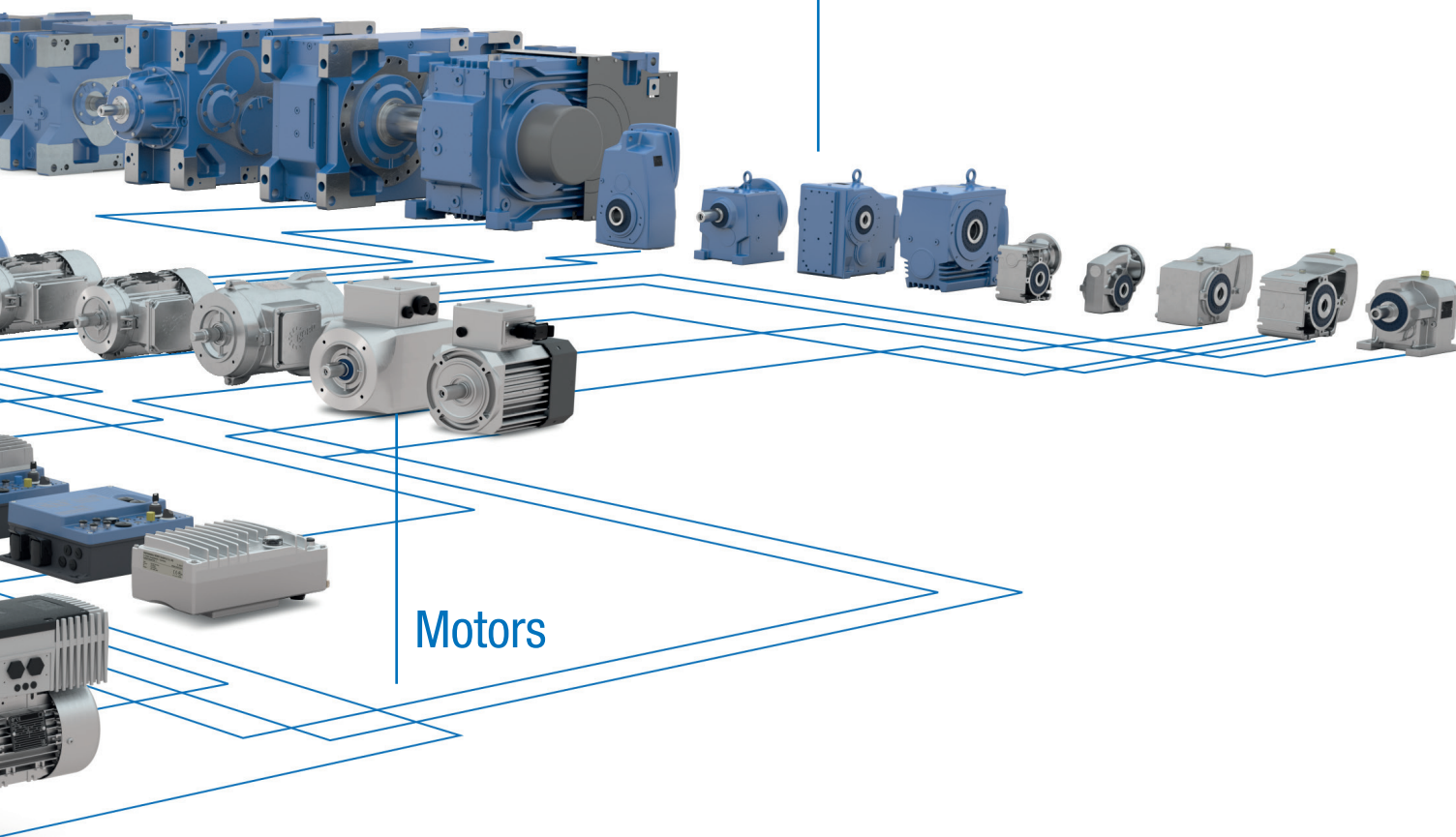
Information

Drive Solutions

Drive Electronics



Gear Units



Motors

ATEX

Our products are available in ATEX certified versions.

An optimum and individual drive solution can therefore be created using the modular NORD system consisting of the gear unit, motor and drive electronics. The modular products are perfectly matched and can be combined in many variants. In addition, we offer planning, project management, installation, and service from a single source. If required,

industry solutions can be configured as a complete logistics package, programmed and ready for use. Each modular NORD product combines: highest product quality, short planning and assembly times, high delivery availability, and a good price/ performance ratio. Our products are also available in ATEX certified versions.

Advantages of light metal gear units

Corrosion Resistant Aluminum Housing

Modern gear units need to be robust, compact, powerful, inexpensive - and above all, light: This is an advantage, because weight causes costs, especially if the gear unit has also to be transported during movement cycles. Because of this, aluminium alloy has become firmly established as a material for gear unit housings in many areas.

NORD DRIVESYSTEMS utilises many of the advantages provided by an optimised aluminum alloy for gear unit housings. In addition, the housing material has a certain corrosion protection and does not necessarily need to be painted. Last, not least, a housing made from aluminium conducts heat much better than a housing made from cast iron. This makes lower operating temperatures possible, which is good for the internal components of the gear unit and ensures a longer service life.

Advantages

- Often there is no need for painting
- Corrosion resistant for many applications
- Good thermal conductivity (lower temperature)
- Easy cleaning

Features

- Low weight
- Smooth surfaces
- Good thermal conductivity



The light and durable NORD aluminium UNICASE housings are produced in our Gadebusch factory in Mecklenburg-Vorpommern using the very latest production methods.



UNICASE BEVEL GEAR UNITS

Powerful and proven

UNICASE bevel gear units (Catalogue G1000)



- Foot, flange or face mounted
- Hollow or solid shaft
- UNICASE housing
- High efficiency
- Robust design
- Grey cast iron housing
- Various bearing concepts for high axial and radial load capacities

Sizes	11
Power	0.12 – 200 kW
Torque	180 – 50,000 Nm
Ratio	8.04:1 – 13,432.68:1

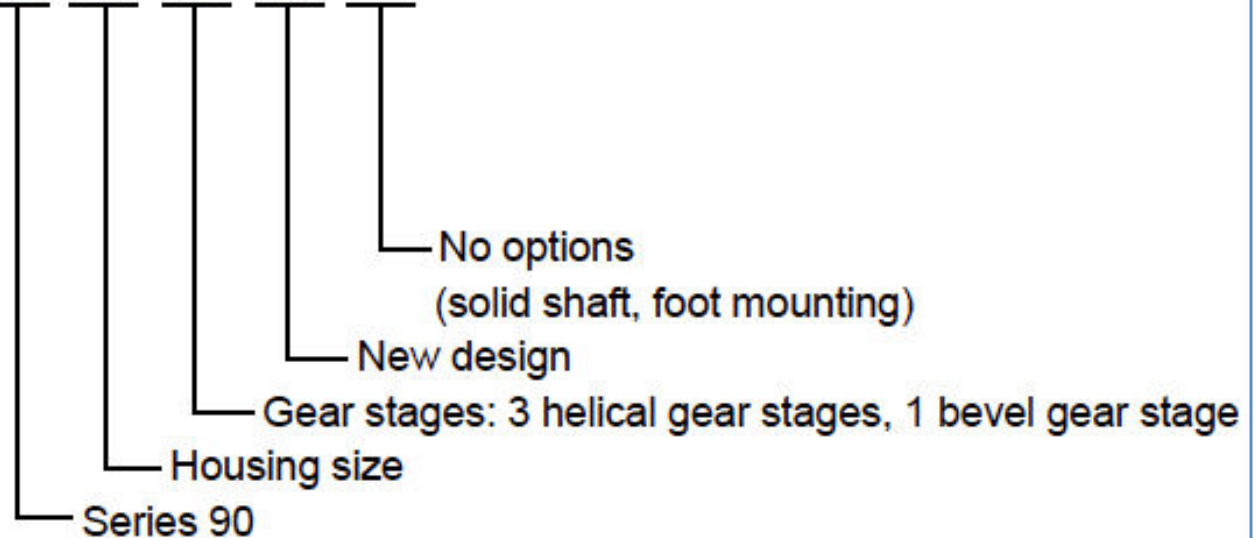
- Smooth running – e.g. for theatre applications

UNICASE bevel gear units

SK 90 4 2 .1 AZ



SK 90 5 3 .1



Special nomenclature:

- A 6 at the end indicates a reinforced version, 3-stage
- A 7 at the end indicates a reinforced version, 4-stage (including the bevel gear stage)

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