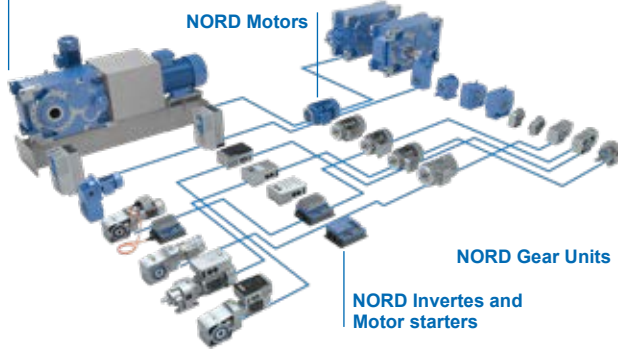


# COMPLETE DRIVESYSTEMS FROM A SINGLE SOURCE



Intelligent Drivesystems | Worldwide Services

## NORD Drive Solutions



## NORD DRIVESYSTEMS Group

Headquarters and technology centre  
in Bargteheide, near Hamburg

Innovative drive solutions  
for more than 100 branches of industry

**Mechanical products**  
parallel, helical, bevel and worm gear drives

**Electrical products**  
IE2/IE3/IE4 motors

**Electronic products**  
centralised and decentralised frequency inverters and motor starters

**7 production locations with cutting edge technology**  
for all drive components

**Subsidiaries and sales partners in 98 countries  
on 5 continents**

provide local stocks, assembly centres,  
technical support and customer service

**More than 3,600 employees throughout the world**  
create customised solutions

[www.nord.com/locator](http://www.nord.com/locator)

## ENERGY-EFFICIENT IES2

- Compliance with the most stringent specified efficiency regulations

## REDUCTION OF VARIANTS

- Standardisation of geared motors for intralogistics and warehouse demands
- Easy engineering
- Easy selection
- Large speed range through inverter technology

## SERVICE AND MAINTENANCE FRIENDLY

- Considerable reduction of stock keeping
- Service friendly through plug-and-play technology
- Compact, space-saving design

## GLOBAL PRESENCE

- NORD DRIVESYSTEMS is represented in 98 countries throughout the world.
- Global production, assembly, service and sales network

## Headquarters:

**Getriebebau NORD GmbH & Co. KG**  
Getriebebau-Nord-Str. 1, 22941 Bargteheide, Germany  
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Member of the NORD DRIVESYSTEMS Group



# WAREHOUSE APPLICATIONS



# NORD DRIVESYSTEMS WAREHOUSE APPLICATIONS

# REDUCTION OF VARIANTS



## Advantages

- Reduced number of variants for lower storage costs
- Easy engineering and easy commissioning
- Specially developed software to achieve high overload capacities
- Modular standard solutions tailored to intralogistics requirements in 3+1 preferential sizes
- Modular upgrades with all common bus systems
- Can be combined with all common gear unit types

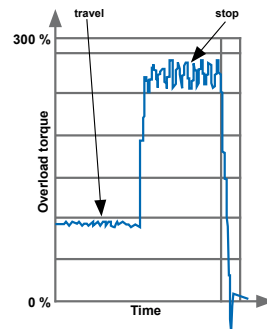
## Gear units for motor inverter drive systems:



NORD parallel, helical, bevel and worm gear units

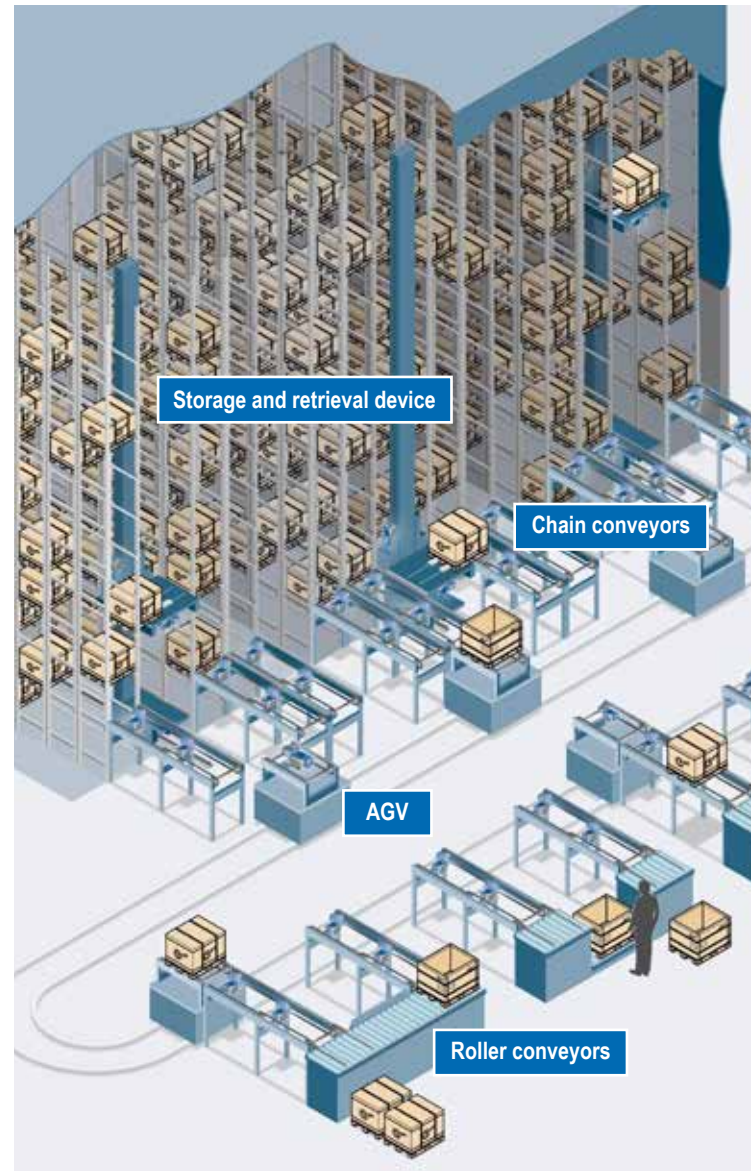
- AS-I or IO interface integrated (others optional)
- Digital inputs and outputs on board
- Internal or external 24 V
- Free internal PLC
- Diagnostic interface

## High overload capacity for alignment at the pallet stop



## System upgradable with regard to:

- All common bus systems
- Brake control
- IO extension
- Wall or motor installation



## Example reduction of variants: Three plus one



**1** SK63L/4 @ 87 Hz – with SK180E-370-340-B  
 Inverter BG: 1  
 Motor power: 0.18 kW 0.31 kW @ 87 Hz  
 Inverter power: 0.37 kW  
 M1: 1.26 @ 87 Hz  
 Efficiency class: IES2  
 Overload capacity: up to 300 %

**2** SK71L/4 @ 87 Hz – with SK180E-750-340-B  
 Inverter BG: 1  
 Motor power: 0.37 kW 0.64 kW @ 87 Hz  
 Inverter power: 0.75 kW  
 M1: 2,56 @ 87 Hz  
 Efficiency class: IES2  
 Overload capacity: up to 300 %

**3** SK80LP/4 @ 87 Hz – with SK180E-111-340-B  
 Inverter BG: 1  
 Motor power: 0.75 kW 1.3 kW @ 87 Hz  
 Inverter power: 1.1 kW  
 M1: 5,06 @ 87 Hz  
 Efficiency class: IES2  
 Overload capacity: up to 300 %

**+ 1** SK90LP/4 @ 87 Hz – with SK180E-221-340-B  
 Inverter BG: 2  
 Motor power: 1.5 kW 2.6 kW @ 87 Hz  
 Inverter power: 2.2 kW  
 M1: 10,1 @ 87 Hz  
 Efficiency class: IES2  
 Overload capacity: up to 300 %