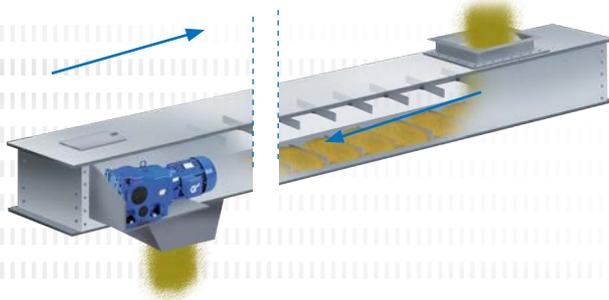




## Reliable Under All Conditions

Drag conveyor drive solutions from NORD provide reliable operation for moving grain and other bulk materials horizontally or on inclines. They are ideal for outdoor installations and can handle many application environments. NORD drag conveyor drives also have significant advantages with regard to safety, environmental protection, and efficiency.



NORD products are suitable for all drag conveyor applications that require multiple loading or discharge points such as transferring and removing products from bulk storage bins.

## Flat Bottom Drag Conveyors

- ▶ Ideal for handling free flowing bulk materials
- ▶ Designed and engineered to provide long life and durability with minimum maintenance
- ▶ Gentle, fast movement of the transferred material via a fully enclosed dust-tight conveyor

## Round Bottom Drag Conveyors

- ▶ Designed with an elevated head and tail section
- ▶ Helps to reduce noise, vibration, and chordal action

## L-Path or S-Path Drag Conveyors

- ▶ A single (L-Path) or multiple (S-Path) direction change adapts the conveyor to the plant design
- ▶ Expensive changes to the plant layout can be avoided
- ▶ Can also discharge from a vertical position

## Mill Duty Drag Conveyors

- ▶ Ideal for handling heavier, abrasive products such as aggregate, limestone, and sand

# Drive Solutions for Drag/Chain Conveyors



## Reliable and Robust Gear Units for All Types of Drag Conveyors

### UNICASE™ Helical Bevel Gear Units (Catalog G1000)



- ✓ Foot, flange, or face mounted
- ✓ Hollow or solid shaft
- ✓ Long life, low maintenance
- ✓ Cast-iron UNICASE housing

Sizes: 11  
Power: 0.16 – 200 hp  
Torque: 1,593 – 442,537 lb-in  
Speed ratio: 8.04:1 – 13,432.68:1

### UNICASE™ Helical Inline Gear Units (Catalog G1000)



- ✓ Foot, flange, or face mounted
- ✓ Optimum sealing
- ✓ Long life, low maintenance
- ✓ Cast-iron UNICASE housing

Sizes: 11  
Power: 0.16 – 200 hp  
Torque: 89 – 230,119 lb-in  
Speed ratio: 2.76:1 – 14,340.31:1

### MAXXDRIVE® Industrial Gear Units (Catalog G1050)



- ✓ Parallel axis and right-angled gear units
- ✓ High radial load capacity
- ✓ Long life, low-maintenance
- ✓ UNICASE housings
- ✓ Hollow or solid shaft
- ✓ Foot or flanged motor (B3 / B5 / C-face)
- ✓ Backstop

Sizes: 11  
Power: 2.5 – 8,075 hp  
Torque: 132,800 – 2,495,900 lb-in  
Ratio: 5.54:1 – 30,000:1

### UNICASE™ Parallel Shaft Gear Units (Catalog G1000)



- ✓ Foot, flange, or face mounted
- ✓ Hollow or solid shaft
- ✓ Compact design
- ✓ Cast-iron or aluminum UNICASE housing

Sizes: 15  
Power: 0.16 – 200 hp  
Torque: 974 – 680,200 lb-in  
Speed ratio: 4.03:1 – 15,685.03:1



## Driven by Energy Efficient Motors for All Types of Environment

**Motors** (Catalog M7000):

### Standard Motors with Recommended Options:



IP66 Protected against water and dust

RD/RDD Rain Drip Canopy/  
Double Fan Drip Cover

PTC / KTY / Resistance thermometers  
PT100

IE2 motors for VFD driven motors

IE2 motors for direct online driven motors



#### Hazardous Area ATEX

All gear units are also available as:  
Dust explosion protected drive solution  
Gas explosion protected drive solution

### Energy Efficient

NORD drive solutions are environmentally friendly and help reduce operating costs and minimize CO<sub>2</sub> emissions.

- ▶ High efficiency helical and bevel gear units achieve optimum power transmission performance
- ▶ NORD motors comply with international energy efficiency classes up to IE5+

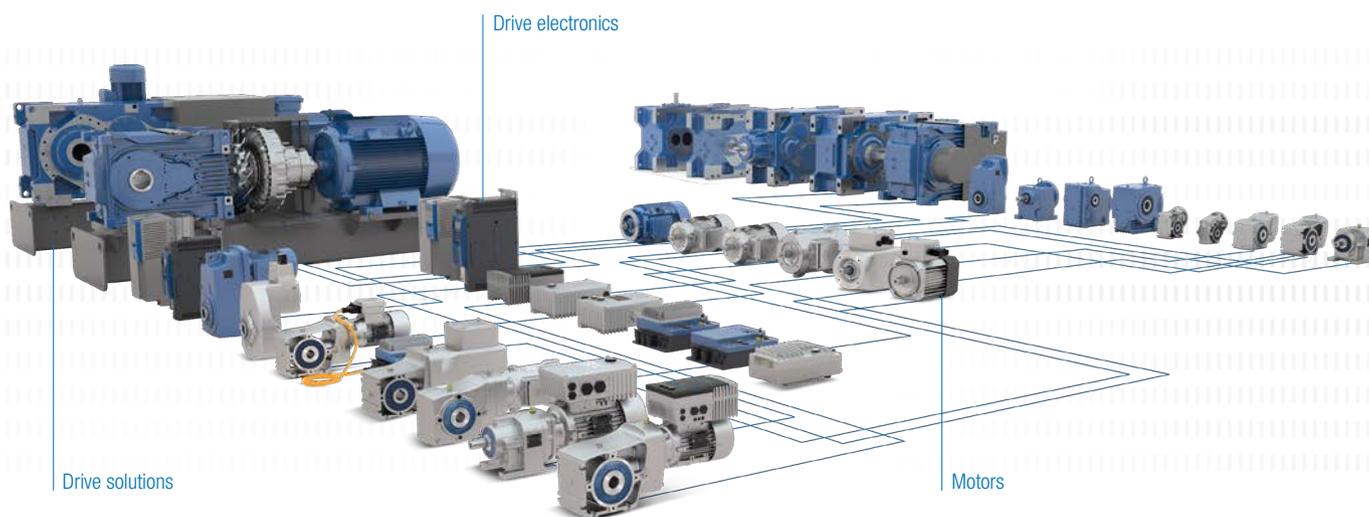


- ▶ NORD variable frequency drives have energy saving functions to effectively reduce energy consumption

## Available Options and Solutions:

- ▶ Direct mounting, elastic coupling, or belt-driven input shaft to transfer torque
- ▶ Backstop to avoid return of material in case of power failure
- ▶ Special seals to cope with harsh environments
- ▶ Hollow shaft or solid shaft depending on drag conveyor connection
- ▶ Fixing element for attaching the hollow shaft
- ▶ Shrink disc for attaching the hollow shaft
- ▶ Cover (IP66) to provide additional protection
- ▶ Stainless steel shafts for corrosion protection
- ▶ ATEX for explosive atmospheres
- ▶ NORD soft starter for smooth start and stop, as well as reverse operation function
- ▶ NORD variable frequency drives for speed, torque, and process control

## Complete Drive Solutions From a Single Source



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