

# DRAG CONVEYOR APPLICATION OVERVIEW



*NORD Drivesystems - Improving Productivity Worldwide.*

## Partners in Motion - Products and Solutions for Drag Conveyors

Companies around the world have come to rely on NORD Drivesystems for reliable drive solutions to meet the demands of transporting bulk material. At NORD we believe in open, two-way communication to help our customers with an accurate assessment of your individual application. We understand the demands of industry and our goal is to provide you with a drive assembly which will reliably serve the needs of your plant for many years to come.

From planning and assembly to delivery, NORD's commitment is providing reliability, dependability and a long service life. NORD's promise doesn't end after delivery. Our philosophy is centered on building long term relationships by meeting and exceeding your expectations. We believe that our quality of service equals the quality of our product.

## Industries Served that Rely on Drag Conveyors

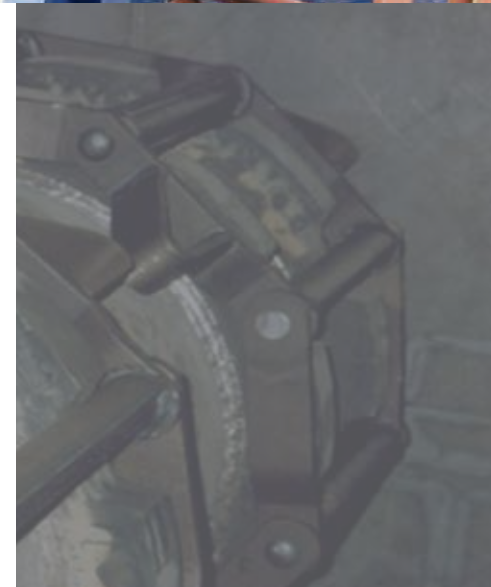
- Agriculture
- Rail & Truck Unloading
- Chemical
- Fertilizer
- Power Generation
- Cement

## Built for Your Demanding Environment

The NORD product line is equipped for drag conveyor applications that require multiple loading or discharge points such as transferring and reclaiming products from bulk storage bins. Optional features are available to protect against harsh environmental conditions such as dust, high ambient temperature, and moisture.

As a component supplier our contribution to a complete drag conveyor centers around the speed reducer and electric motor. The most popular style of speed reducer we supply for drag conveyor applications is our right-angle helical-bevel with a hollow output shaft. Available mounting options include our GRIPMAXX™ keyless bushing system, torque-arm, B5 mounting flange, and adapter plate for a CEMA waste pack seal. Our Clincher parallel shaft and helical in-line series of speed reducers are also available when right-angle is not the appropriate mounting style.

All NORD speed reducers are available as an integral gear-motor or with a NEMA C-Face adapter. If you're exporting to a country outside of North America then we have 50Hz integral gear-motors or IEC input adapters. ATEX rated assemblies are also available for applications in hazardous locations.



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- Right-angle, Helical-Bevel series
- CLINCHER™ Offset Parallel series
- Helical In-line series
- NEMA/IEC Inputs
- NORD Electric AC Motors

## Flat Bottom Drag Conveyors

Especially suited for handling free flowing grains. Designed and engineered to provide long life and durability with minimum maintenance. Gentle and fast movement of material is transferred via a fully enclosed, dust-tight conveyor.

## Round Bottom Drag Conveyors

Designed with an elevated head and tail section, this application helps reduce noise, vibration and chordal action.

## L - Path Drag Conveyors

Allowing for a bend within the system allowing for a reduction in equipment. Under proper design these systems can discharge from a vertical position.

## S- Path Drag Conveyors

This system includes two directional changes to eliminate the need for additional systems. It may also be successful in reducing expensive plant layout changes by bending the system around structural obstacles.

## Mill Duty Drag Conveyors

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

## The NORD Drag Conveyor Package...Clean, Safe, Reliable

- Gearing designed and manufactured up to AGMA CLASS 13
- QUADRILIP™ Sealing for improved sealing integrity
- High output torque capabilities
- Speed reducer efficiencies rated up to 97%
- AUTOVENT™ provides cleaner oil, extending seal, gear and bearing life



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## Global Vision, Local Support

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.