

# Power Transmission Products & Industry Solutions



Customer-focused  
Solutions.

Reliable Performance.

Trusted Brands.

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# Keeping Industries Moving

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Our commitment to customer satisfaction and superior value extends to every area of our business. Visit [www.rexnord.com/industrysolutions](http://www.rexnord.com/industrysolutions) to learn more about our industry expertise.



Aerospace



Agri-Farm



Air & Fluid Handling



Automotive



Beverage & Liquid



Cement



Energy



Food



Forest Products



Marine



Metal Processing



Mining



Pulp & Paper



Warehouse & Distribution



Wastewater Treatment

With dedicated production facilities, Rexnord provides you with global availability of quality products and services to meet your schedule. Our distributor locations and Rexnord Account Executives provide local availability, and offer cost-effective solutions and reduced lead times.

Additionally, the Rexnord Innovation Center and its independent, accredited laboratory delivers advanced technology, innovative thinking and breakthrough research to improve productivity and efficiency for industrial applications. Altogether, the Rexnord team delivers on our promises to provide the lowest total cost of ownership and valuable expertise solutions that enhance your ease of doing business with us.



## Delivering lowest total cost of ownership

Highest quality products designed to help prevent equipment downtime, increase productivity and deliver dependable operation.

## Providing valuable expertise

An extensive product offering accompanied by global sales specialists, customer service and maintenance support, available anytime.

## Enhancing ease of doing business

We have a commitment to offering transactional experiences that are easy for Rexnord customers. Our professionals and eBusiness solutions provide support and innovative tools. They save time, reduce costs and boost productivity.

**Our goal is to consistently create superior value for our customers, shareholders and associates.**



# Gear Drives

Critical components that keep you in motion

High-quality, reliable and rugged Rexnord Gear designs are installed in the world's most challenging applications. More than 100 years of experience, a full product line, technical support and local service allow for maximum performance and the lowest total cost of ownership. To prove our reliability, we offer a heavy-duty, three-year warranty on the majority of our gear drives.

## Industries served

- Agri-Farm
- Automotive
- Beverage & Liquid
- Cement
- Energy
- Fertilizer
- Food
- Forest Products
- Metal Processing
- Mining

## Falk V-Class

Extreme industrial applications demand gear drives that perform every day, no exception. That means a long seal life, solid thermal performance and increased operating life. It means shorter lead times, convenient serviceability and faster, easy-access support. It means the Falk V-Class, the Rexnord Gear Drive engineered to deliver power, durability and reliability under the toughest conditions.

The Falk V-Class Gear Drive is the standard in gear drives from Rexnord — a drive that's born to lead and built to last. When asked for the gear drive that delivers reliability, keeps maintenance costs down, maximizes uptime and utilizes the latest technology, the answer is the Falk V-Class. With its cooler operating temperature, optimal power and advanced technology, the Falk V-Class Gear Drive outperforms and outlasts the competition.

Trust V-Class, the gear drive offering the qualities you need:

**Tough.** More torque capacity to handle the heaviest loads.

**Reliable.** Steadfast dependability in demanding conditions.

**Quiet.** Quiet drive train for noise-sensitive areas.

**Cool.** Runs cooler for a longer operating life.

**Easy to Service.** Designed to maximize uptime and profitability.

**Proven.** Thousands of trouble-free Falk V-Class Gear Drives have been installed in the harshest conditions on Earth.



## Falk V-Class Specifications Overview

- Right angle or parallel shafts
- Heavy-duty ductile iron housing withstands shock loads
- Horizontally split housing allows easy disassembly/assembly for maintenance
- Superior thermal performance
- Exclusive Magnum no-leak seal design
- Internal backstops



### Falk V-Class

Ratios: 1.25 to 160:1

Torque: Up to 3M in-lbs (up to 341 kNm)

- 27 sizes
- Solid or hollow output shafts

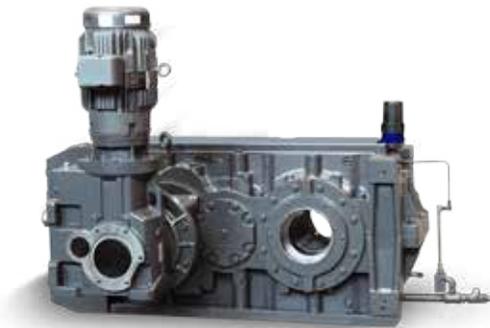


### Falk V-Class — Larger sizes

Ratios: 5.60 to 710:1

Torque: 2.5M to 9M in-lbs (282 kNm to 1016 kNm)

- Nine sizes
- Solid output shafts



### Inching Drive Option

This optional package enables the Falk V-Class Gear Drive to offer reliable, full-load inching operation. This allows slow-speed operation of equipment for inspection and maintenance. It can run continuously to prevent freeze-up of components in harsh and cold weather environments when facilities may temporarily not be in production.



### DuraPlate Cooling System

Optional DuraPlate® patent-pending cooling system controls oil temperatures in the most extreme conditions. The self-contained system requires no water or electricity to circulate cooled oil throughout the unit.



## Concentric Solutions



### Rexnord Planetgear™ 7000 Speed Reducer

Ratios: 3.32:1 to 1786:1

Power: Up to 1,000 hp (750 kW)

Torque: Up to 905,000 in-lbs (102 kNm)

Available in inch

- 14 sizes
- Handles high shock loads, 250 percent overload capacity
- Taconite-duty seals provide optimal performance and long seal life
- Horizontal, vertical or tilt mounting available
- Internal backstop is easily field-installed
- Optional NEMA C-face, scoop, top motor mount, or baseplate mounted motors



### Rexnord Shaft Mounted Planetgear (SMP)

Ratios: 11:1 to 1785:1

Power: Up to 1,000 hp (375 kW)

Torque: 140,000 to 3,000,000 in-lbs (15 to 339 kNm)

Available in inch or metric

- Five sizes
- Solid or hollow output shaft
- Taconite-duty seals provide optimal performance and long seal life
- Custom solutions available, right angle input, C-face input, and hollow output shaft sizes to meet exact application requirements
- Hydro Advantage, an innovative hydraulic removal system, assures shaft removal

### Falk UltraMax® Concentric Drives

Ratios: 1.5:1 to 195:1

Power: Up to 500 hp (375 kW)

Torque: Up to 530,000 in-lbs (60,000 Nm)

Available in inch or metric

- 12 sizes
- Concentric configurations
- Optional scoop, flange, or baseplate mounted motors
- Helical gearing minimizes noise and vibration
- Available in low ratio for high-speed applications
- Heavy-duty bearing and seal protection
- Optional reliability packages



## Shaft-Mounted Solutions



### Falk Quadrive® Shaft-Mounted Drives

Ratios: 5, 9, 14, 25:1  
 Power: Up to 300 hp (224 kW)  
 Torque: Up to 360,000 in-lbs (40,675 Nm)  
 Available in inch or metric

- 11 sizes for flange or shaft mounting
- Horizontal or vertical mounting
- Bushing bores from 1 to 6-1/2 in (25 to 160 mm)
- 5 to 350 rpm output speeds
- Torque Assist (TA) taper bushing guarantees lifetime removal
- High-performance seal design handles severe duty applications with Viton® grease purgeable seals
- Optional reliability package



## Worm Gears



### Falk Omnibox® Worm Gear Drives

Ratios: 5:1 to 3,600:1  
 Power: Up to 100 hp (81 kW)  
 Torque: Up to 90,000 in-lbs (10,168 Nm)  
 Available in inch

- 14 sizes for foot, flange or shaft mounting
- 1.33 to 10 in (34 to 254 mm) centers
- Vertical or horizontal inputs and outputs
- Compact design with versatile mount options leak-tested and shipped with oil to eliminate setup time and startup failures
- Available in stainless steel, BISSC-certified or sealed reducers, which are lubricated for life



### Falk Ultramite Gearmotors

Innovative motor bushing eliminates fretting between the motor and the gear drive. This design offers easy installation and allows for quick, trouble-free changeout, even after years of hard, continuous use. Ultramite accepts standard NEMA/IEC C-Face and flange-mounted motors, permitting the customer's choice of preferred motor. Multiple mounting positions are available, including base, wall, top, vertical, shaft and flange. Falk Ultramite Gearmotors have continuous-duty ratings from the American Gear Manufacturers Association (AGMA).



#### UC Helical Concentric

Ratios: 1.4:1 up to 16,000:1

Power: 1/4 to 50 hp (19 to 37 kW) capacity

Torque: Up to 40,000 in-lbs (5 kNm)

Available in inch or metric

- 10 sizes
- Base and option flange mounted designs



#### UB Right Angle Helical Bevel

Ratios: 8:1 to 10,000:1

Power: 1/4 to 100 hp (19 to 74 kW) capacity

Torque: Up to 120,000 in-lbs (13 kNm)

Available in inch or metric

- Nine sizes
- Straight bored hollow, tapered hollow shaft with torque-assist (TA) bushing or solid output shafts



#### UJ Shaft-Mounted Offset Helical

Ratios: 5:1 to 20,000:1

Power: 1/4 to 50 hp (19 to 30 kW) capacity

Torque: Up to 48,000 in-lbs (5 kNm)

Available in inch or metric

- Six sizes
- Shaft-mounted designs utilize TA taper bushing
- CEMA screw conveyor design available



#### UW Right Angle Helical Worm

Ratios: 8:1 to 60,000:1

Power: 1/4 to 50 hp (19 to 37 kW) capacity

Torque: Up to 46,000 in-lbs (5 kNm)

Available in inch or metric

- Eight sizes
- Straight bored hollow, tapered hollow shaft with TA bushing or solid output shafts
- Optional low-speed flange



## Falk Reliability Package

### Falk V-Class, Quadrive and UltraMax Gear Drives

You know predictive maintenance prevents downtime, lowers costs and increases operational reliability. The Falk Reliability Package helps with all of these goals as you maintain Falk V-Class Gear Drives, Falk Quadrive Shaft Mounts and Falk UltraMax Concentric Drives.

A proven success among Rexnord customers, this industry-leading standardized package includes options that simplify preventive work and greatly increase efficiency. The package includes:

- AirMax Desiccant Breathers
- Oil sample port
- Quick disconnect oil inlet and outlet
- Oil site glass with anti-foam block
- Ball drain valve
- Sealed dipstick

## AirMax Filters



For years, the AirMax filter has supplied excellent protection: the media prevents moisture and particulate contamination from entering gearboxes, providing 99.7 percent efficiency at three microns with very low pressure drops.

### AirMax Plus AM-2

The AirMax Plus™ AM-2 includes a desiccant material that absorbs water and protects against moisture intrusion, even more fully than the traditional AirMax. It includes a color indicator system for easy replacement identification.

### AirMax Plus AM-HG

The AirMax Plus AM-HG takes filtration to a new level. In addition to the desiccant and particulate filtration, the AM-HG has an expansion chamber that isolates lubricants from all levels of ambient humidity and a check valve to ensure no excess pressure/vacuum builds.

## Falk Authentic Gear Parts

- High-quality aftermarket gears and parts matched to original specification, tested, and specifically designed to rugged Falk and Rexnord quality standards for superior performance
- Ideal for all makes of gearboxes and gear equipment: open gears, custom gear elements, and engineered upgrades
- Deliver full interchangeability and drive uptime for customers to keep gear drives and power transmission systems operating like new
- Worldwide service for customers through an extensive network of distributors and select repair shop partners
- Backed by Rexnord advanced designs, authentic expertise, heritage and quality of Falk Gears and Drives
- Industry-leading turnaround times through unique programs focused on shortened lead times





## PT Drive Components

You can count on Rexnord to help you safely transmit power in your drive train. Our Power Transmission (PT) Drive components, including backstops, torque limiters, clutches, and brakes protect equipment and can minimize downtime even in the most challenging environments.

### Industries served

Automotive	Material Handling
Energy	Mining
Food & Beverage	Pulp & Paper
Marine	Steel

## Backstops



### Falk True Hold® Low-Speed Backstop

Bores: 1.5 to 20.0 in (38 to 510 mm)  
 Torque: 3,000 to 747,000 ft-lbs (4,068 to 1,013,000 Nm)  
 Overrunning speeds from 1 to 2,800 rpm

- External backstops provide instant response and more system holding power than any other backstop
- NRT and NRTH designs suit low-speed and semi-high speed applications or heavy-duty high-torque applications



### Rexnord BSD Backstops and Freewheels

Bores: up to 9.0 in (230 mm)  
 Torque: up to 3,274,777 in-lbs (370,000 Nm)  
 Overrunning speeds up to 2,500 rpm

- Symmetric parts allow for directional changes on site
- Clamping roller and centrifugal releasing wedge types available

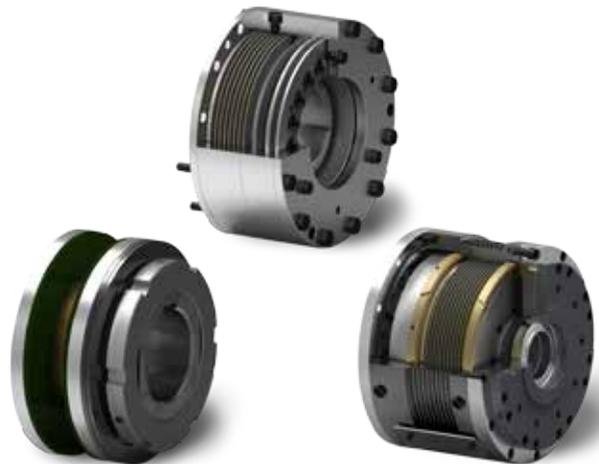
## Torque Management Products



### Autogard®

Mechanical torque limiters for use in industrial power transmission. Designs accommodate over 15,000,000 in-lbs (1,694,772 Nm) of torque and unlimited shaft sizes

- Adjustable, accurate, and repeatable torque setting with instant and complete disengagement of the drive
- Monitorq™ torque monitoring allows measurement and transmission of real-time torque data from any location in the drive train



### Rexnord BSD Clutches and Brakes

- Overload clutches designed to slip at a preset torque value to limit torque during overload. Up to 106,209 in-lbs (12,000 Nm) of torque capacity and up to 7.48 in (190 mm) bore capacity.
- Pressure operated clutches with multi-disc design that accommodate high speeds and small dimensions. Suitable for wet and dry operations with torque capacity up to 708 to 1,770,150 in-lbs (80-200,000 Nm)
- Spring-loaded multi-disc brakes that accommodate brake torque 557-8,85075 in-lb (63-1,000,000 Nm)

## Shaft Locking Products



### Rexnord Tollok

For more than 35 years, Tollok™ products have led the industry in locking assemblies. Our robust offering features a wide range of options, including internal locking assemblies, locking elements, shrink discs and rigid couplings. Our full line of products can be customized to fit ever-changing application needs. They are ideal for heavy-duty and specially engineered environments.

- Quick installation time
- Equipment protection
- Increased life of system components
- Up to 1,500,000 Nm of torque capacity
- Up to 2,500,000 pounds-feet capacity



# Bearings

Because uptime is everything

Rexnord customers have depended on our premium quality bearing design, performance and technical support for decades. Our well-known brands, including Rex® and Link-Belt®, encompass ball bearings, cylindrical roller bearings, sleeve bearings, and spherical roller bearings, which are used worldwide in the industrial machinery, conveyors, chain and belt drive, fan and blower, and power transmission applications.

## Industries served

Aggregates	Food
Air & Fluid Handling	Forest Products
Automotive	Heavy-Duty Trucking
Beverage & Liquid	Marine
Cement	Material Handling
Construction	Metal Processing
Energy	Mining

## Roller Bearings

For 100 years Rex and Link-Belt Roller Bearings have been built to survive the toughest applications in the harshest environments. Our roller bearings feature superior sealing and shaft mounting technology, performance surfaces precision-ground and finished in the USA, as well as high thrust and radial load capacities. We offer dedicated engineering support to help customize units to your specifications. From high speeds to punishing loads, indoors to underwater, Rex and Link-Belt Roller Bearings take abuse and come back for more.



### Rex Roller Bearings

- Full range of housing styles
- Shaft sizes up to 7 in (180 mm)
- Shaft attachment styles: single-set, double-set and eccentric locking collars, and two adapter-mounts
- Four standard field interchangeable seals (Viton option available)
- 4 degrees (+/- 2 degrees) of dynamic and static misalignment
- Superfinished rollers and raceways
- Field-adjustable internal bearing clearance
- Auxiliary end caps



### Link-Belt Roller Bearings

- Full range of housing styles
- Shaft sizes up to 5 in (125 mm)
- Shaft attachment styles: single-set and double-set collars, and adapter-mount
- Three standard field-interchangeable seals
- 4 degrees (+/- 2 degrees) of dynamic and static misalignment
- Field-adjustable internal bearing clearances



## Rex 6000 Series SHURLOK Adapter Mount Roller Bearings

- Full range of housing styles: solid and split cap styles available
- Shaft sizes up to 6 15/16 in (125 mm)
- Shaft attachment with SHURLOK® Adapter Mount technology
- Four standard field interchangeable seals (Viton option available)
- 4 degrees (+/- 2 degrees) of dynamic and static misalignment
- Superfinished rollers and raceways
- Field-adjustable internal bearing clearance
- Spyglass™ Optical Strain Sensor (OSS)
- Proprietary Positive Locking System
- Accommodates commercial grade shafting



## Link-Belt Cylindrical Roller Bearings

- Full complement and retainer design, including formed steel, segmented steel and bronze
- Shaft sizes up to 11 in (200 mm)
- Broad offering of standard, narrow, wide and intermediate width series
- Manufactured to American Bearing Manufacturers Association (ABMA) industry standards
- Special products designed for unique customer applications
- High-capacity designs
- Case-carburized races



## Link-Belt Adapter Mounted Spherical Roller Bearings

- Industry-standard SAF interchangeable housings
- Shaft size up to 10.5 in (260 mm)
- Shaft attachment styles: adapter-mount and press fit
- Standard LER seal
- Optional auxiliary seals: D5 Pentac® contact and D8 taconite-duty
- Housing features: machined for H7 bearing/housing fit, grade 5 bolt caps, pry slots in cap for easy removal, precision-drilled dowel holes, and center support bar in housing base





## Ball Bearings

Rexnord Link-Belt Ball Bearings are backed by more than 70 years of U.S.-based manufacturing and technical expertise. Our proven platform is found in every corner of power transmission industries across the globe. Unparalleled product diversity allows us to deliver a ball bearing optimized to fit your application. When you're ready to specify your bearing, our experts will ensure you get the proper product to maximize system performance.



### Standard-Duty Bearings

- Full range of housing styles
- Shaft sizes up to 4 in (100 mm)
- Shaft attachment styles: narrow and wide inner ring styles with set screw, concentric and eccentric cam locking collars, and a wide inner ring configuration with superfinished raceways
- Four standard seal options with flinger configurations



### Washdown housing option (polyamide housing)

- Housing styles: flange (2- and 4-bolt), pillow block, flange bracket
- Shaft sizes up to 1 1/2 in (40 mm)
- Shaft attachment style: set screw
- Stainless steel insert
- One standard seal
- Food-grade grease
- Open and closed end caps with seal



### Medium-Duty Bearings

- Full range of housing styles
- Shaft sizes up to 3.5 in (90 mm)
- Shaft attachment styles: set screw and concentric locking collar
- Three standard seal options with flinger configurations



### Heavy-Duty Bearings

- Housing styles: pillow block and 4-bolt flange
- Shaft sizes up to 4 in (not offered with metric dimensions)
- Shaft attachment styles: set screw, eccentric locking collar, adapter-mount and SHURLOK adapter-mount
- Two standard seal options
- Superfinished raceway
- Fixed and expansion units
- Cartridge bearing



## Sleeve Bearings

With a history of satisfied customers, expertise and quality, Rexnord produces sleeve bearings that can help you take on a variety of applications. Low-maintenance operation, including extra-long life, ensures Rexnord Link-Belt Sleeve Bearings and Rexnord Duralon® Filament Bearings promote uptime and meet your needs.



### Link-Belt Sleeve Bearings

- Full range of housings styles
- Available in rigid or flex-block bearing styles
- Sizes range up to 12 in (not offered with metric dimensions)
- Babbitt, bronze and cast iron bearing surfaces
- One-piece solid housings available
- Two-piece split housings available: split, gibbed joint and angular joint
- Two-piece bearings have shims to accommodate for adjustments and compensate for wear



### Rexnord Duralon Filament Bearings

- Self-lubricated designs
- Multiple configurations and customer designs: annular, flanged, hex and square bore, linear, straight sleeve, thrust washers
- Sizes range 1/8 to 26 in (3.18 to 660.40 mm)
- Unique composition: woven Teflon®\* and polyester fiber self-lubricated liner supported by a filament-wound continuous fiberglass filament and epoxy resin matrix
- Lightweight
- High load capacity — ultimate strength: 77,000 psi (531 MPa) for a 1/8-in (3.18 mm) wall section
- Durable in extreme temperature conditions: cryogenic to 325 degrees Fahrenheit (F) (163 C)

\*Teflon® is a registered trademark of E.I. DuPont DeNemours and Co.





# Couplings

## Complete portfolio for any application

With a history of providing coupling solutions for close to a century, Rexnord customers receive the benefits of that experience in a full selection of disc, grid, gear, elastomeric, fluid and composite couplings — all manufactured for quality, reliability and easy maintenance. This is complemented by a team of sales and service specialists, that all come together to deliver the lowest cost of ownership in the industry through enhanced productivity and dependable performance. For any coupling application, Rexnord is your critical link.

### Industries served

Aggregates	Marine
Agriculture	Metal Processing
Air Handling	Mining
Automotive	Petrochemical
Cement	Power Generation
Energy	Wastewater Treatment
Forest Products	

## Disc Couplings



### Rexnord Thomas Disc Couplings

- More than 25 sizes
- 18 engagement, disconnect, brake and shear pin options
- Up to 15.5 in (394 mm) bore capacity
- Up to 3,390,000 in-lbs (383,019 Nm) torque capacity
- Up to 20,000 rpm (up to 150,000 rpm on Thomas® miniature couplings)
- Allows for visual inspection and easy replacement of disc packs and center members
- Features zero backlash, low-restoring forces, and electrically-insulated designs
- Meets API 671 or API 610 specifications
- ATEX certified

## Rexnord Euroflex Disc Couplings



- Engineered and manufactured to meet specific requirements of the application
- Optimized design for high-speed and turbine-driven applications
- High-torque and speed capacity with low-mass solution
- Peak torque capacity over 17 million in-lbs (2,000,000 Nm)
- Meets API 671 and ISO 10441 specifications
- ATEX certified

## Rexnord Modulflex Disc Couplings



- More than 16 sizes
- More than 11 standard modular configurations, each of which can be customized to meet specific application requirements
- Up to 11.75 in (300 mm) bore capacity
- Up to 4,425,000 in-lbs (500,00 Nm) torque capacity
- Up to 50,000 rpm
- Marine type approvals in accordance with EN 10204 3.2
- ATEX certified
- Easy installation and low wear

## Rexnord Addax® Composite Disc Couplings and Brakes



- 13 sizes
- Up to 5.06 in (130 mm) bore capacity
- Up to 36,200 in-lbs (4,090 Nm) torque capacity
- High-performance composite spacer with custom spacer lengths, up to 275 in (6,985 mm)
- Up to 500 hp
- Corrosion-resistant center member, flex element, hub, and hardware lower the cost of ownership and extend service life
- Patented unitized flex elements provide 1 degree of misalignment per element and eliminate fretting
- Ships in less than 24 hours if required



## Rexnord Addax Cooling Tower Brakes

Keep plant personnel, fans, stacks, and motors safe with cross-pin locking, actuation, remote actuation, and optimal proximity sensor features.





## Lubricated Couplings



### Falk Steelflex® Grid Couplings

- 25 sizes
- 11 models including high-speed, spacer, flywheel, brake and controlled torque
- Up to 20 inches (508 mm) bore capacity
- Up to 8,250,000 in-lbs (932,126 Nm) torque capacity
- Up to 10,000 rpm
- Five-year heavy-duty warranty when lubricated with Long Term Grease (LTG)



### Falk Lifelign® Gear Couplings

- 28 sizes
- 13 models for general purpose, high-speed and high-torque applications
- Up to 43 in (1,067 mm) bore capacity
- Up to 72,450,000 in-lbs (8,185,763 Nm) torque capacity
- Large flex hubs accommodate high-torque applications in space-limited installations
- Three-year, heavy-duty warranty



### Falk True Torque® Fixed-Fill Fluid Couplings

- Up to 7 in (177 mm) bore capacity
- Up to 66,000 in-lbs (7,367 Nm) torque capacity
- Up to 1,500 hp (1,119 kW) power rating
- Starting power adjustable from 120 to 250 percent of full load torque
- Overload protection



## Elastomeric Couplings



### Falk Wrapflex® Elastomeric Couplings

- 12 sizes
- Up to 7.25 in (184 mm) bore capacity
- Up to 133,000 in-lbs (15,027 Nm) torque capacity
- Up to 4,500 rpm
- Patented hub and flex element design ensure long life
- Close-coupled and spacer designs available to accommodate shaft spacing
- Polyurethane element has excellent wear and chemical resistance and an operating temperature range of -40 to 200 F
- ATEX certified



### Rexnord Omega, Omega HSU and Rexnord Viva Elastomeric Couplings

- 15 Omega® sizes, 12 Viva® sizes
- Up to 11 in (279 mm) bore capacity
- Up to 340,200 in-lbs (38,440 Nm) torque capacity
- Up to 7,500 rpm
- Split-in-half flex element design for efficient installation and replacement
- Mounting hole patterns allow for a wide range of shaft gaps: from 0.25 to 11.81 in (6 to 300 mm)
- Non-lubricated and low-maintenance
- Viva model features patented "V" notch design which provides uniform failure area for overload protection
- ATEX certified

## Accessories



### Falk Orange Peel® Rotating Shaft Guards

- Polyethylene, steel and aluminum construction
- Shaft, spacer, fluid couplings and line shaft coupled designs
- Diameters to 33 in (838 mm)
- Lengths to 96 in (2,438 mm)



### Falk Long Term Grease (LTG)

- Significantly extended relubrication intervals
- Superior lubrication
- Usable up to 250 F (121 C)



# Industrial Chain & Conveying Equipment

For the most demanding applications

Rexnord is the industry leader and most experienced chain manufacturer in the world. Our chain designs are created on the latest computer-aided design equipment, and then transmitted via computer network to the manufacturing floor where the designs are turned into finished products. Using state-of-the-art manufacturing technologies, we bring quality, reliable chain with years of trouble-free performance.

## Industries served

- |                 |                      |
|-----------------|----------------------|
| Aggregate       | Metal Processing     |
| Automotive      | Mining               |
| Cement          | Oil & Gas            |
| Energy          | Pulp & Paper         |
| Fertilizer      | Wastewater Treatment |
| Forest Products |                      |

## Chain Solutions



### Engineered Chain

- Most standard sizes are available for quick delivery
- Superior heat treatment and hardness depth of all components
- Technically superior sidebar hole quality
- Customized solutions to meet your challenging demands



### Welded Steel Chain

- 22 standard sizes in both narrow- and wide-mill chain are available for quick delivery
- Solid bushings on narrow-mill chains and one-piece formed barrel on wide-mill chains
- Advanced design features are furnished as standard on all chains
- Available with customized attachment configurations and hard-facing



## Roller Chain

- Both Link-Belt and Rex Roller Chain are automatically assembled, pre-lubricated, and factory pre-loaded, resulting in:
  - Tight tolerances and uniformity
  - Consistent, high quality
  - Ease of installation and alignment
  - Eliminated need for lubrication during installation
  - Longer shelf life
- Stocked in a wide variety of common sizes: 35 through 264 in multiple widths up to 8 strands wide



## Leaf Chain

- All standard sizes available in F (machine tool quality), AL (high quality), and BL (super heavy-duty) series
- Superior corrosion protection
- Superior wear resistance
- Environmentally friendly lubrication characteristics
- High pre-loading
- Handles punishing, heavy-duty applications

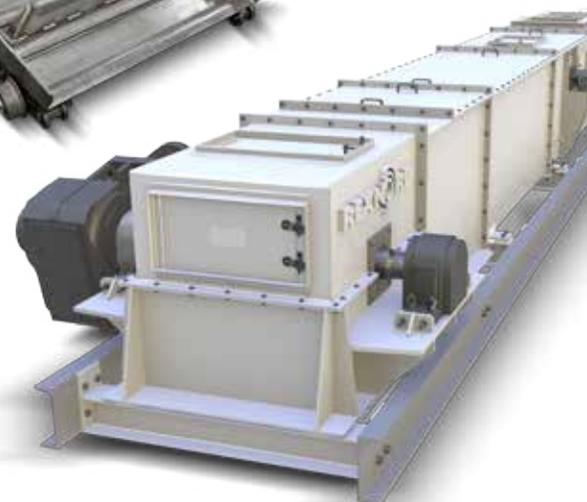
## Conveying Systems

### Chain and Belt Bucket Elevators

- Single source for all of your elevator's critical components: couplings, bearings, gear drives, heavy-duty chain, buckets, couplings, traction wheels, and sprockets
- Available in centrifugal and gravity
- Heavy-duty dual or single strand chain
- Technically superior head shafts, traction wheels and sprockets
- Superior heat treatment of all mechanically long-wearing drive components
- Heavy-gauge steel (optional SS) casings
- General arrangement drawings available within 24 hours
- Quotations available within 48-72 hours
- Retrofit options available

### Conveyors (AFT Pan, Feeder, Drag, and Flight)

- Apron feeders and conveyors
- AFT clinker handling conveyors
- Drag and flight conveyors
- Frame roller and outboard roller arrangements
- Custom designed for the application
- Heavy-duty style "A" pan construction
- Offset sidebar and heavy-duty welded steel chains available
- Several outboard roller styles available
- Engineered for long life and easy maintenance
- Segmental rim sprockets and octagonal tail wheels available
- Special take-up arrangements available





## Conveying Components

### Heavy-Duty Elevator Chain

- Standard sizes are available for quick delivery
- Wide array of designs to suit specific applications and customer requirements
- Designed and produced from choice raw materials
- Superior heat treatment and hardness depth of all components
- Technically superior sidebar hole quality



### Idlers

- Factory sealed or re-greasable bearing area options
- Convenient, patented, one-point greasing system
- Available in belt widths from 18 to 96 in (457.20 to 2438 mm), CEMA designs, with custom configurations



### Pan Assembly Rollers

- Designed for bulk material applications
- Bearings protected by inner and outer seals
- Re-greasable or sealed for life
- Quick, simple 2-bolt mounting
- Easy to install and retrofit
- Extend system life and increase uptime
- Forged roller housing
- Press-fit sealing rings
- Double-shielded ball bearings



### Bucket Elevator Components

- Single source for all your elevator component needs
- Premium traction wheels and sprockets
- Heavy-duty reinforced buckets
- No-lube bearings
- Internal Gravity Take Up (IGTU)
- Speedball handle doors for easy inspection
- Shaft locking devices





## FlatTop Conveying Solutions

Delivering improved productivity with conveyor chain and components

The Rexnord FlatTop Conveying Solutions offering is designed to continuously improve productivity for customers in every application, with the broadest selection of high-quality chain, components, sprockets and accessories available in the world. With more than 120 years of experience, we provide leading-edge solutions, and our team of experienced application engineers and industry experts is committed to helping you select the ideal product for your application.

Our dedication to new product development enables us to provide innovative product solutions for our customers' most demanding application requirements. Every chain, belt and component stamped with a Rexnord brand has undergone extensive research and quality testing, ensuring our customers' conveying needs will be met with the most economical, efficient and reliable means possible.

### Industries served

Automotive  
Beverage & Liquid  
Container  
Food  
Industrial  
Warehouse & Distribution

## Rexnord Roller Upgrade System (RUS)



- An innovative technology that delivers substantial long-term improvements in productivity and worker safety
- Fits in any existing system, including general conveying, inclines, declines, and powered curve applications
- Provides an 85 percent reduction in downtime for customers, resulting in less labor cost and lost production hours
- Eliminates unplanned maintenance from belt frays, punctures, tears and jams
- Up to a 90 percent reduction in inventory, such as costly replacement rollers and drive belts
- Virtually eliminates dangerous pinch points and significantly reduces noise levels
- Reduces energy consumption with low-friction material options
- Eliminates consumable parts, including rollers, pulleys and belts



## Rexnord TableTop and MatTop Conveyor Chain

Rexnord TableTop and MatTop Conveyor Chain are engineered to satisfy a wide range of conveyor applications. The chains feature straight-running and side-flexing options for ease of installation and reduced floor space requirements. A wide variety of innovative surface options are also available to accommodate smooth transfers, inclines and declines, accumulation issues and rinsing requirements.



### Rexnord TableTop Conveyor Chain

- Engineered to satisfy a wide range of conveyor applications for virtually any industry
- Large selection of straight running and side-flexing chain are designed to convey flawlessly in even the most demanding environments
- Formed from metal or molded from thermoplastic for high-strength and high-speed applications
- Narrow widths are ideal for multiple-strand and variable-speed conveyors
- Chain with low backline pressure rollers minimize product damage
- Several chain series combine traditional top plates with roller base chains for increased strength and precision



### Rexnord MatTop Conveyor Chain

- Provide a continuous conveying surface for applications demanding greater width requirements
- Available in assembled-to-width configurations, the chain is engineered to satisfy a wide range of conveyor applications for virtually any product size
- Ensures maximum strength and have proven smoother conveying surfaces with pins that extend the full width of the chain
- Minimizes the size of dead plates when transferring products overhead or tail shafts reducing chordal action with smaller pitch chain, helping eliminate container tipping and jamups at transfer points
- Includes a variety of chain ideal for the automotive industry, including the 6990 Series Hybrid MatTop Chain, featuring the smooth chain operation the industry demands, while raising the performance level of plastic modular chains



## Rexnord Conveyor Components

This complete offering of 20,000 components is critical to ensure your conveyor operates smoothly.

- **Chain guide components:** corner and straight tracks, return rollers, plugs for connectors
- **Product handling components:** guide rails, roller guides, guide rail clamps, guide rail brackets and connecting clamps in plastic or stainless steel
- **Frame support components:** side mounting top brackets, bearing heads, support bases and connecting joints
- **Supporting and leveling elements:** versions available in steel or plastic, articulated and fixed, with and without anti-slip pads, and vibration-absorbing feet
- **Miscellaneous components:** line control elements, hinges, locks, knobs, modular transfer plates, roller tensions, nozzles, cable carriage chain and nose-over bars



## Engineered Solutions

The Rexnord FlatTop engineering team strives to be the best in the world at continuously improving our customers' productivity through superior material handling solutions:

- Chain selection and product handling tests determine the best product selection for your specific application
- Preventative maintenance programs through proactive chain and sprocket life assessment and evaluation
- Field assistance for on-site training, including design, maintenance and troubleshooting



# Power Transmission Services

Rexnord Industrial Services and Falk Renew

We don't just understand equipment and applications. We understand your business.



## Regardless of the age or condition of your equipment, Falk Renew has the right solution.

- Remanufactured gear drives
- Falk, Link-Belt and Rexnord service parts
- Drive exchange programs
- Falk and other OEM gear drives
- 11 global repair centers

## Repair and Rebuilds

- Upgrade and re-rate
- Logistics options
- Spares programs
- Failure analysis

## Predictive Maintenance

Our reliability-centered approach is designed to prevent unplanned outages while optimizing performance and minimizing repairs. This includes:

- Vibration analysis
- Thermal analysis
- Lubrication analysis
- Bore scope check
- Noise analysis
- Running gear tooth contact check
- Data logging
- Strain gauging
- Systems assessment
- Remote monitoring

## Universal Drive Shaft & Clutch Repair

- All major brands available from stock
- Same-day pricing and availability
- Standard or oversized steel tubing
- Special carbon fiber composite tubing
- Computerized selection program
- Expedited or emergency shipment program
- Precision balancing
- Repair and refurbishment of existing assemblies
- Special designs available — short-coupled, constant velocity, quick disconnect, and more

## Aftermarket Gears & Parts

- Gears, pinions and shafts for Falk and Link-Belt drives
- Gearing elements for all makes of gear drives
- Bearings, seals, shims and gearbox accessories
- Transportation and heavy equipment gearing
- Heavy equipment shafts and customer parts
- Reconditioned gear programs for emergency breakdowns
- Reverse engineered gear sets



## Customized Programs

We'll develop programs for your needs.

- Offsite/onsite service and repair contracts
- Asset management programs
- Asset efficiency
- Asset optimization



## Specialty Offerings

Our customers have consistently relied on Rexnord efficiency, knowledge and experience to deliver top quality products for their toughest applications. Our brands are used by customers worldwide who have already benefited from our dedication to providing exceptional service and specialty solutions.

### Industries served

Aerospace	Instrumentation
Electric, Gas & Water Utilities	Material Handling
Energy	Medical
Industrial & Office Automation	Military
	Mining



### Berg Miniature Precision Mechanical Parts

By manufacturing and distributing high-quality precision mechanical components worldwide, our goal is to shorten lead times while enhancing performance. The Berg product portfolio includes:

- Engineered assemblies
- Gears
- Sprockets and pulleys
- Timing belts
- Roller chains
- Worm gear boxes
- Lead screws
- Hardware fasteners



### Stearns Brakes, Clutches and Switches

Stearns is the leading manufacturer of spring-set electrically set motor brakes. Choosing Stearns products means you'll receive:

- Broadest line of industrial brakes available from any single manufacturer
- Shortest lead times
- Best quality products to bring you maximum performance
- Consistent and courteous customer service



### Highfield Security Systems

Highfield Manufacturing is an innovator and leading global producer of high-quality security systems for the electric, gas and water utility industries. Choosing Highfield products means you'll receive:

- A complete line of locking devices and hardware to keep your operations safe, secure and profitable
- Industry-standard safety valves, accessories and specialty products for a variety of markets
- Custom solutions to provide fast turnaround
- Superior knowledge of your industry





866-REXNORD/866-739-6673 (Within the U.S.)  
414-643-2366 (Outside the U.S.)  
[www.rexnord.com](http://www.rexnord.com)

## Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

### Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

### Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

### Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

# REXNORD

## Rexnord Company Overview

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

## Process & Motion Control

The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

## Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.