REXNORD

Power Transmission Products & Industry Solutions

Table of Contents

Gear Drives
- Falk V-Class™ 4–5
- Concentric Solutions 6
- Shaft-Mounted and Worm Gear Solutions 7
- Falk® Ultramite® Gearmotors 8–9
- Falk® CT-Series 9
- Falk Reliability Package 10
- AirMax® Filters 10
- Falk Authentic Gear Parts 10

PT Drive Components
- Backstops 11
- Torque Management Products 12
- Shaft Locking Products 12

Bearings
- Roller Bearings 13–14
- Ball Bearings 15–16
- Sleeve Bearings 16

Couplings
- Disc Couplings 17–18
- Lubricated Couplings 19
- Elastomeric Couplings 20
- Accessories 20

Industrial Chain & Conveying Components
- Chain Solutions 21–22
- Conveying Components 22–23

Conveying Solutions
- Cambridge Engineered Solutions Metal Belts 24–25
- Metal Mesh GRIPPER® Slings 25
- MatTop® & TableTop® Conveyor Chain 26
- Engineered Sustainability™ by Rexnord 27
- Rexnord® Conveyor Components and Accessories 27
- Roller Upgrade System 28
- Rexnord Engineered Services for Conveying Solutions 28

Filtration
- Cambridge Filter Leaves 29
- Cambridge Water Screens 29
- Cambridge Ash Screens 29

Power Transmission Services
- Falk Renew® 30
- Rexnord Industrial Services™ 30
- Falk Authentic Gear Parts 30

Specialty Offerings
- Stearns® 31
- Berg® 31
- Highfield® 31

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

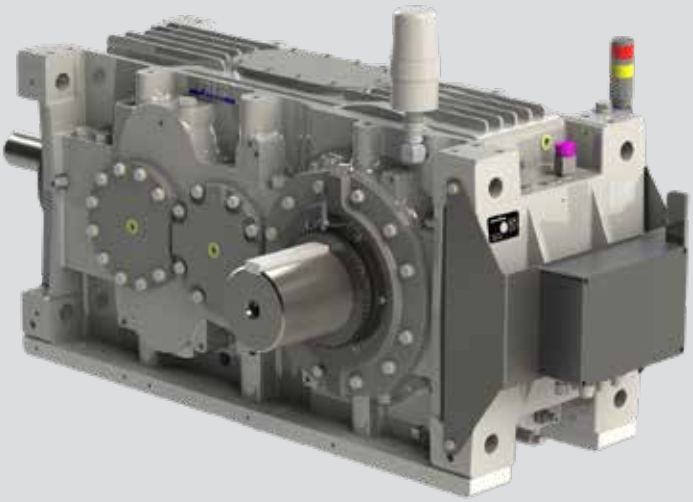
High-quality, reliable and rugged Rexnord Gear designs are installed in the world's most challenging applications. More than 100 years of experience, a full product line, technical support and local service allow for maximum performance and the lowest total cost of ownership. To prove our reliability,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

The Falk V-Class outperforms and outlasts the competition. It has set the standard for high performing gear drives — keeping maintenance costs down, maximizing uptime, and consistently delivering reliable performance. Now with the option of Industrial Internet of Things (IIoT) capability and smart technology solutions, the V-Class is designed to optimize asset management by understanding and responding to reactive maintenance needs and preventive care.



IIoT Smart Gear Drive

- Network connectivity communicates condition of gear drive to local & remote personnel with visual indicators; Andon lights
- Real-time, secure data collection stored in the cloud via IIoT-connected edge device
- Local and remote data accessibility, available on networks, PCs, and mobile devices
- Product data/analytics build a fully predictive maintenance model and advice for end users by use of patent-pending algorithms
- Location of gearbox identified within 50 feet through GPS location tag
- Detect oil condition, vibration, load, and speed status with smart sensors

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.

DuraPlate Cooling System

Optional DuraPlate® patent-pending cooling system controls oil temperatures in the most extreme conditions.

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 your 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 300 hp (.19 to 225 kW) capacity
Torque: Up to 183,000 in-lbs (20 kNm)
Available in inch or metric

- 13 sizes
- Base and option flange mounted designs

UB Right Angle Helical Bevel

Ratios: 8:1 to 10,000:1
Power: 1/4 to 300 hp (.19 to 225 kW) capacity
Torque: Up to 292,000 in-lbs (33 kNm)
Available in inch or metric

- 11 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 180 hp (.19 to 200 kW) capacity
Torque: Up to 132,000 in-lbs (15 kNm)
Available in inch or metric

- Eight 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

Ultramite Inline Mixer

Ratios: 5.6:1 – 224:1
Torque range: 7,000 – 220,000 in-lbs

- Seven sizes
- Heavy duty output shaft and bearings to accommodate mixer application loads and provide industry required bearing life without the need to oversize the unit
- Drywell available in sizes 310 and larger, model UCXV, ensures a leak-free design for contaminant sensitive applications (including food, chemical, water/wastewater, pharmaceutical)
- Utilizes industry standard C-face motors, innovative bushing design for ease of motor installation and removal

Falk CT-Series Gearboxes

CT-Series Cooling Tower Vertical Fan Drive

Ratios: 7.5:1 to 20:1 Standard
Power: Up to 390 HP (290 kW) at 2.0 service factor

- Four sizes
- Double reduction spiral bevel gear units are designed for cooling tower installations and feature matching critical mounting dimensions to enable easy replacement of other manufacturer's drives
- Pump-less lubrication is achieved with specially-designed oil slinger in conjunction with an elaborate oil management system
- Manufactured to American Gear Manufacturers Association (AGMA) and Cooling Technology Institute (CTI) standards
- Standard marine grade coating conforms to ISO 12944-5 C5-M to ensure long service life in a harsh cooling tower environment

Gear Drives

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

- Aggregate
- Automotive
- Beverage
- Cement
- Energy
- Food
- Marine
- Material Handling
- Mining
- Pulp & Paper
- 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

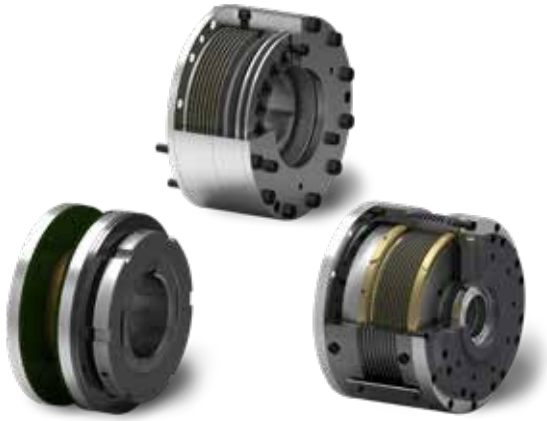
Bores: up to 9.0 in (230 mm)
Torque: up to 3,274,777 in-lbs (370,000 Nm)
Overrunning speeds up to 2,500 rpm

- Externally mounted and integrated options available
- Symmetrical parts allow for directional changes on site
- Clamping roller and centrifugal releasing wedge types available

Torque Management Products

Autogard®

- Mechanical torque limiters for absolute drive-train protection
- Designs accommodate over 15,000,000 in-lbs (1,694,772 Nm) of torque and unlimited shaft sizes
- Adjustable, accurate and repeatable torque setting



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

- Quick installation time
- Equipment protection
- Increase life of system components
- Internal locking assemblies up to 1,550,000 lbs-ft (2,100,000 Nm) torque capacity
- Shrink discs up to 2,500,000 lbs-ft (3,400,000 Nm) torque capacity
- Inch and metric versions available
- Self-centering models available
- Internal locking assemblies up to 8 in (203 mm) bore capacity
- Shrink discs up to 19 in (480 mm) bore 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
- Air & Fluid Handling
- Automotive
- Beverage & Liquid
- Cement
- Construction
- Energy
- Food
- Forest Products
- Heavy-Duty Trucking
- Marine
- Material Handling
- Metal Processing
- 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 offer superior sealing and shaft mounting technology, precision-ground performance surfaces finished in the USA, as well as high thrust and radial load capacities. Ideal for use in a variety of applications, including conveyors, fans and blowers in aggregate, air & fluid handling, cement, material handling and package handling. We offer dedicated engineering support to help customize units to your specifications.

PT Select Mounted Spherical Roller Bearings

- Features QR code on bearings for instant access to critical support documents, and more
- Proven bearing quality through state-of-the-art testing, including spin testing, and backed by our standard Rexnord one-year warranty
- Off-the-shelf solutions for quick turnaround needs
- Engineered bearing seals for increased product life
- Six housing style options
- Total misalignment capability up to 2 degrees
- Expansion and non-expansion units available
- 90-degree mounting collar for superior holding strength

Bearings

Rex Roller Bearings

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

Link-Belt Roller Bearings

- 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

Link-Belt Cylindrical Roller Bearings

- Full complement and retainer design, including formed steel, segmented steel and bronze
- Shaft sizes up to 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

Rex 6000 Series SHURLOK Adapter Mount Roller Bearings

- 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
- Field-adjustable internal bearing clearance
- Proprietary Positive Locking System
- Accommodates commercial grade shafting

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 option (polypropylene 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

- Full range of housing styles
- 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

Unmounted Ball Bearings

- Available in round, square and hex bore configurations
- Shaft sizes ½ to 4 in (17 to 100 mm)
- Also available in metric shaft sizes
- Shaft attachment styles: Set screw, eccentric lock, and concentric
- High contamination seals and free running flingers available on some bore configurations

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.

Rex RPT

- Self-lubricated round bore sleeve bearings
- Industry-standard sizes and dimensions — ½ to 5 in (12.7 to 127 mm)
- Off the shelf/quick ship availability
- Unique composition: woven Teflon®* and polyester fiber self-lubricated liner supported by a filament-wound continuous fiberglass filament and epoxy resin matrix
- Lightweight design provides electrical insulation and reduced noise compared to metallic bushings
- Durable in extreme temperatures — cryogenic to 325 degrees Fahrenheit (F) (163 C)
- Used in wide variety of applications, including underwater and other hard-to-access locations

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

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

Couplings

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

Interactive Tools Help Make Your Coupling Choice Easier

Selection of Rexnord Thomas Disc Couplings has never been easier with the new online product selector. Try it out from your desktop computer or mobile device by visiting *www.rexnord.com/thomasselector*. Simply enter your application information into the tool and up to two product results will appear to suit that application, along with configuration information for the following options: piloted type, installation type, and spacer versus coupled. The tool also provides one-click access to product details or request for quote.

Couplings

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

- 16 Omega® sizes, 12 Viva® sizes
- Up to 11 in (279 mm) bore capacity
- Up to 425,250 in-lbs (48,050 Nm) torque capacity
- Up to 6,600 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 Components

For the most demanding applications

Rexnord is your single source for bulk material handling solutions and support in a variety of industries. We design and manufacture the critical wear and power transmission components for drag conveyors, apron feeders, belt conveyors, and chain bucket elevators, including chain, traction wheels, bearings, and idlers. No matter what part of the conveying process your application is in, our products ensure efficient transport of material with minimal spillage.

Industries served

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

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

- 28 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
- Optimum interference fits between pin and sidebar
- Additional made-to-order chains and attachments available upon request

Industrial Chain & Conveying Components

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
- Available 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
- Available with superior corrosion protection or wear resistance
- Environmentally friendly lubrication characteristics
- High pre-loading
- Handles punishing, heavy-duty applications

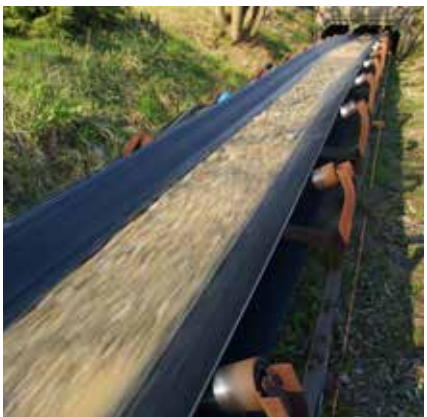
Conveying Components

Providing conveying components to keep your systems running

We provide a wide range of conveying components for your conveying system applications, such as chain and belt bucket elevators, and conveyors.

Our conveying components offering includes:

- Heavy-duty elevator chain
- Idlers
- Pan assembly outboard rollers
- Bucket elevator components
- Additional power transmission components, including gear drives, bearings, couplings, and sprockets



Industrial Chain & 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 Outboard 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 segmental sprockets
- Heavy-duty reinforced buckets
- No-lube bearings
- Internal Gravity Take Up (IGTU)
- Shaft locking devices

Conveying Solutions

Delivering improved productivity with conveyors, chain and components

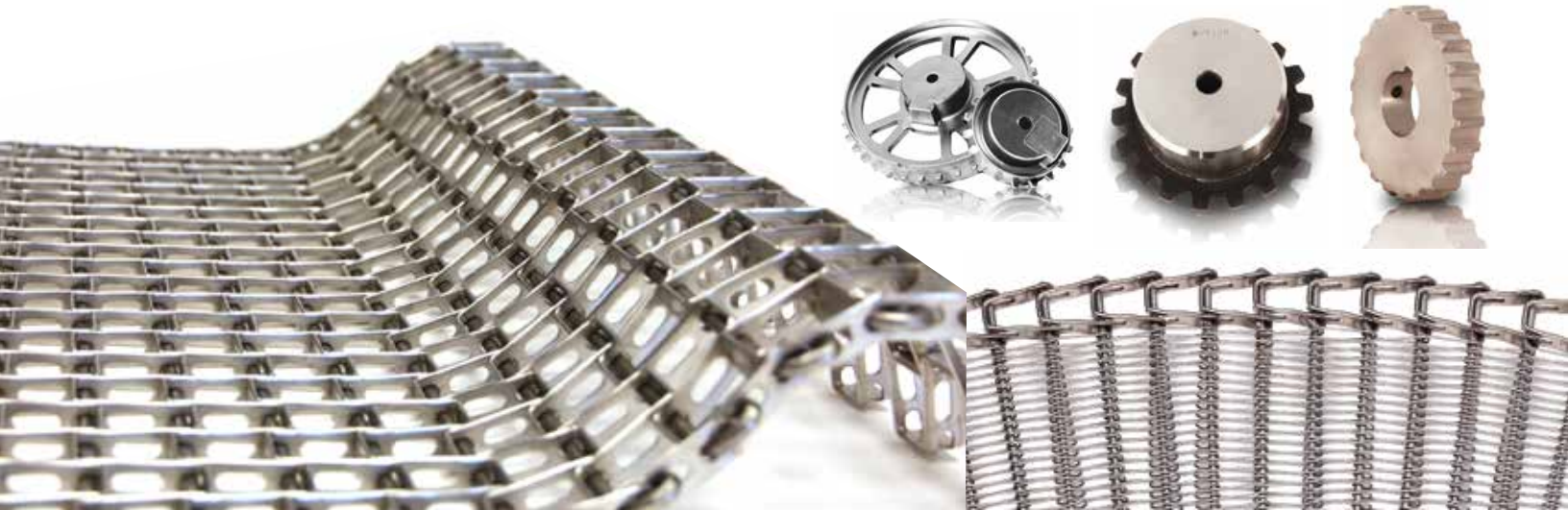
Our Conveying Solutions offering is designed to continuously improve productivity for customers in every application, with the broadest selection of high-quality chain material, metal conveyor belts, components, sprockets, and accessories available in the world. With more than 120 years of experience,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

Industries served

- Automotive
- Baking
- Beverage & Liquid
- Container
- Food Processing & Packaging
- Fruits & Vegetables
- Frozen Foods
- High Temperature
- Industrial
- Poultry
- Snack
- Warehouse & Distribution

Cambridge Engineered Solutions Metal Belts

Cambridge Engineered Solutions, the world's leading and largest manufacturer of metal conveyor belts for food & beverage, and industrial industries, is built on a reputation of outstanding service and customized solutions, providing thousands of companies around the world with increased productivity and food safety.



Cambridge Positive Drive Metal Belts

- Custom sprockets to deliver the absolute best tracking and smoothest operation with less product loss
- Low-tension, self-tracking belts designed to perfectly align with every application
- Largest variety of sizes, pitches, widths, and materials
- Designed with patented technologies and custom-engineered product development
- United States Department of Agriculture-certified for food safety and deemed food grade, based on the highest sanitation standards

Cambridge Positive Drive Sprockets

- Custom-engineered and precision-fit sprockets available for our positive drive conveyor belts in six types of materials
- Application and belt needs determines specifications and material
- Provides a smooth, positive means of driving the belt, keeping the belt properly aligned, and delivering accurate synchronization of belt movement with operations

Cambridge Friction Drive Metal Belts

- Flattened and round wire options with countless customizable options, delivering better stability, heavier load capacity, and increased surface area for product stability and less marking
- Constructed with alternating right and left spirals to create a uniform and consistent carrying surface
- Conveyor equipment using these metal belts use a roller drive system versus a sprocket or positive drive system
- Used primarily in bakery and snack food applications along with key high-temperature industrial applications, like lehr ovens, sintering, powdered metal, and heat treating

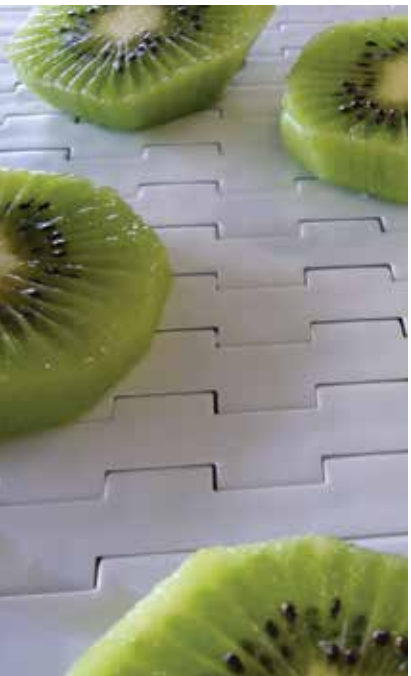
Cambridge Spiral Cage and Turn Metal Belts

- Customized team of engineers on staff for spiral cage system evaluations, tensions and overdrive system monitoring, installs, retrofits, and troubleshooting
- More than 11 metal belt product families available for new and existing spiral cage systems, and turn equipment
- Versatile for light and heavy-duty applications, including those in systems designed for cooking, baking, proofing, cooling, and freezing
- Rated for use and fully compatible with systems built from all major original equipment manufacturers

---

Metal Mesh GRIPPER Slings

- Strongest, safest metal mesh slings on the market
- Ability to handle heavy, abrasive, sharp, hot, or corrosive materials
- Interwoven, smooth spiral wires offer complete flexibility



Rexnord FlatTop Conveyor Chain

Rexnord FlatTop Conveyor Chain, with our MatTop and TableTop brands, are engineered to satisfy a wide range of conveyor applications, including straight-running, side-flexing, incline, decline, accumulation areas, and more. We offer specific surface treatments and styles supporting these applications and a broad portfolio of chain materials.

Rexnord MatTop Conveyor Chain

- Provides maximum strength and smoother conveying 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
- Custom sprockets to deliver industry-leading tracking, smoothest operation with sprocket design, and sizes optimized for superior chain sprocket interaction
- Minimizes transition space, allowing for easy transfers and mitigation of container tipping
- Includes a variety of chains ideal for industrial and automotive applications, 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 TableTop Conveyor Chain

- Engineered to satisfy a wide range of conveyor applications for virtually any industry
- Large selection of straight running and side-flexing chains that 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 minimizes product damage
- Several chain series combine traditional top plates with roller base chains for increased strength and precision

Conveying Solutions

Engineered Sustainability by Rexnord

The Rexnord Conveying Solutions team provides chain design and technical expertise to help you choose durable conveyor systems that guarantee optimal product handling without compromising your ability to meet targets for safety improvements, water reduction, energy savings, and more, through our Engineered Sustainability by Rexnord program.

Rexnord Conveyor Components and Accessories

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

- **Chain guide components**: chain guide profiles, including corners and return rollers
- **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

Rexnord Roller Upgrade System (RUS)

RUS is an innovative technology that delivers substantial long-term improvements in productivity and worker safety.

- Fits in any existing roller or belt conveyor system, including general conveying, inclines, declines, and powered curve applications
- Leads to a reduction in downtime for customers, resulting in less labor cost and lost production hours
- Eliminates unplanned maintenance from belt frays, punctures, tears, roller replacement, and jams
- Up to a 90 percent reduction in inventory, such as costly replacement rollers and drive belts
- Significantly reduces noise levels
- Reduces energy consumption with low-friction material options
- Eliminates consumable parts, including rollers, pulleys and belts

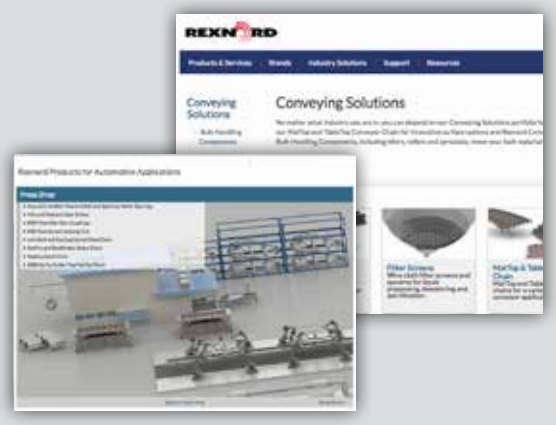
Rexnord Engineered Services for Conveying Solutions

The Rexnord Conveying Solutions engineering teams strive to be the best in the world at continuously improving our customers' productivity through superior material handling solutions. We offer a comprehensive portfolio of services for your conveying solution needs:

- Chain selection and product handling tests determine the best product selection for your specific application
- Conveyor system diagnostics
- Field assistance for on-site training, including design, maintenance and troubleshooting
- Full technical assistance with installations and retrofits
- Preventative maintenance programs through proactive chain and sprocket life assessment, and evaluation
- Spiral cage evaluations

Want to find out more about our Rexnord Conveying Solutions offerings?

Visit us on *www.rexnord.com* for product specifications, documentation, 2D/3D drawings, models, product support, and interactive application maps for various industries.



Filtration

Proven range of mesh and wire cloth products

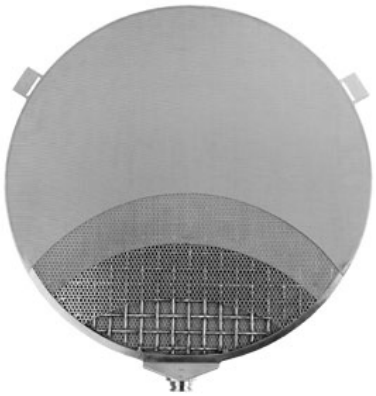
Our Cambridge Engineered Solutions offering provides a wide range of wire cloth products for your filtration needs. From top quality filter leaves in food and beverage processing to open weaves used in sizing and de-watering, and traveling water screens used for waterway safety and debris control, good filter design requires careful selection of each component to meet the requirements of both operation and product.

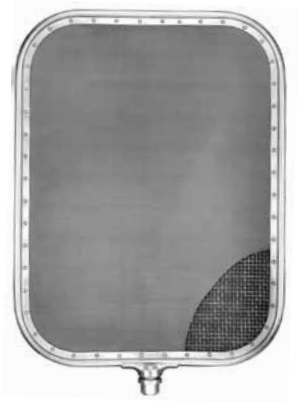
Industries served

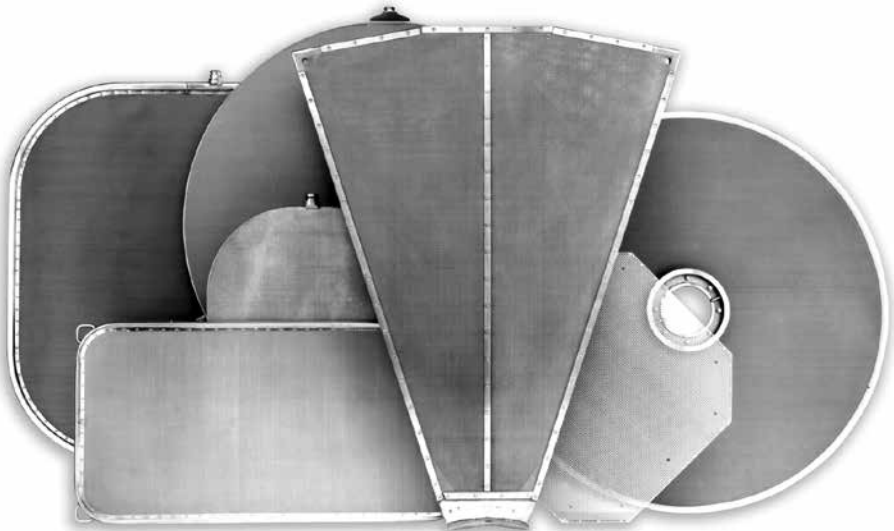
Beverage & Liquid

Energy

Industrial







Cambridge Filter Leaves

- State-of-the-art pressure filter technology creates a leak-proof, warp-resistant, durable, and repairable leaf
- Rigid, durable, easy to screen
- Customized flexibility fits all vessels, including large vats, smaller European vertical tanks, and micro wire cloth requirements

Cambridge Water Screens

- Available in many materials and options
- Designed to maximize longevity and performance in filtering debris from waterways through single-flow and dual-flow options
- Most effective and economical equipment on the market

Cambridge Ash Screens

- Custom solutions protect seal troughs in wet bottom hoppers
- Variety of alloys and materials in multiple corrugation patterns that mitigate corrosion, provide easy installation, protects refractory-lined walls, and eliminates thermal fatigue and warping
- Maintains water seal integrity

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

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

Customized Programs

We'll develop programs for your needs.

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

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

Repair & Rebuilds

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

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 recognized and used by customers worldwide, each with their own wide range of product offerings, delivering exceptional service and custom solutions.

Industries served

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

Stearns®

Stearns Brakes, Clutches and Switches

For more than 100 years, Stearns continues to be the leading manufacturer of spring-set electrical motor breaks. 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 knowledgeable customer service

BERG

Berg Miniature Precision Mechanical Components

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
- Gearboxes
- Lead screws
- Couplings and shafts

highfield
Advancing Safety, Security and Revenue Protection.

Highfield Security Systems

Highfield Manufacturing is an innovator and leading global producer of high-quality security products 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 provided with a fast turnaround
- Superior knowledge of your industry

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 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.

© Rexnord Corporation. All Rights Reserved.

CP040 01/20