

**FALK**

**Rex**

**Stearns**

**REXNORD**

**Perceptiv**

**Link-Belt**

**PT Select**

**TOLLOK**



# POWER TRANSMISSION PRODUCTS & SOLUTIONS FOR COAL MINING

OVERVIEW

**RegalRexnord**

# Choose Regal Rexnord to help you deliver tomorrow's coal today.

From purchase and installation to field monitoring and service, Regal Rexnord helps maximize your uptime, productivity and profit. Keep your mine producing with Regal Rexnord's high-quality, mission-critical products.



## **Mining expertise.**

Work with a true partner who understands your applications, specifies the right equipment and adds value at every step. Regal Rexnord has kept materials moving through mining operations for more than a century. Whether in an underground mine, surface mine, or coal preparation plant – mine operators, equipment manufacturers and consulting engineers turn to Regal Rexnord for their power transmission solutions.

## **Regal Rexnord is with you every step of the way.**

From purchase and installation to testing, monitoring, repair and overhauls, Regal Rexnord provides outstanding lead times and customer service. Count on our superior product quality, on-the-spot field service and industry-leading technical support to prevent costly maintenance, repairs and shutdowns - maximizing your return over the product's total lifecycle. With sales and service operations in mining regions worldwide, and a vast network of distributor relationships, we deliver exactly what you need, when you need it.

## **Expert products, expert reliability.**

Regal Rexnord is a leading manufacturer of critical system components that perform under the most rigorous demands in your coal mining applications, including gear drives, bearings, chain and couplings. With safety in mind, our products are engineered to meet cost and performance criteria to ensure the most efficient solution for specific applications.

## **Right where you need us.**

Find Regal Rexnord solutions around the globe.

- Australia
- Brazil
- Canada
- Chile
- China
- Europe
- India
- Mexico
- Peru
- Singapore
- United States

# Enjoy single-source convenience from a full-line power transmission supplier

Regal Rexnord products support virtually every phase of coal processing and mining.

- Extraction
- Handling
- Preparation



## Bearings

- A** Rex® SAF-Style Bearings
- B** Rex SHURLOK® Adapter Mount Spherical Roller Bearings
- C** Rex Cylindrical Roller Bearings
- D** PT Select™ Mounted Spherical Roller Bearings

## Couplings

- E** Falk® Steelflex® Grid Couplings
- F** Falk Lifelign® Gear Couplings
- G** Falk Orange Peel® Rotating Shaft Guards
- H** Falk True Torque® Fluid Couplings
- I** Rexnord Omega® & Viva® Elastomeric Couplings
- J** Falk Wrapflex® Elastomeric Couplings

## Gear Drives

- K** Falk V-Class™ Gear Drives
- L** Falk® Quadrive® Shaft-Mounted Gear Drives
- M** Falk Ultramite® Gearmotors
- N** Rexnord Planetgear™ Speed Reducers

## Industrial Chain & Conveyor Components

- O** Link-Belt® & Rex® Roller Chain
- P** Link-Belt and Rex Engineered Steel Chain, Bucket Elevators and Conveyor Chain
- Q** Rex Conveyor Idlers

## Monitoring & Accessories

- R** Rexnord® Smart Condition Monitoring System
- S** Falk® AirMax® Pro™ Powered by Perceptiv™

## Services

- U** Regal Rexnord Services

## PT Drive Components

- V** Stearns® Motor Mounted Brakes
- W** Autogard® Torque Limiters
- X** Falk True Hold® Low-Speed Backstops
- Y** Tollok™ Keyless Locking Assemblies

# Coal Extraction

From surface to underground applications, Regal Rexnord will help you determine the right power transmission products for your application. Our engineered products are designed for the rigorous demands of a continuous operation, minimizing wear and maximizing efficiency throughout the process.



## Keeping your mines operating.

The one real measurement in a coal mine is how many tons of coal are mined each day. Our coal mining industry experts understand this too. At the end of the day, it is our expertise and the reliability of our products that help keep your operation running efficiently, and producing the most tons of coal possible each day.

## Surface to underground: decades of experience.

Whether you operate a surface mine in Wyoming or a longwall mine in China, Regal Rexnord™ products support every stage of your operation. Low-speed backstops keep your conveyor safe. Quiet workhorse gearboxes supply the right amount of torque to your feeder breaker. Couplings transfer critical power from the motor to your mining machines. Engineered chain dependably keeps coal moving through shiploading. Regal Rexnord products support your operation throughout.

Here is a list of Regal Rexnord products at work extracting tomorrow's coal today:

### Bearings

Rexnord® SAF-Style Bearings  
PT Select™ Mounted Spherical Roller Bearings  
Rexnord SHURLOK® Adapter Mount Spherical Roller Bearings  
Rexnord Cylindrical Roller Bearings

### Couplings

Falk Steelflex® Grid Couplings  
Falk Lifelign® Gear Couplings  
Rexnord Omega® and Viva® Elastomeric Couplings  
Falk Wrapflex® Elastomeric Couplings  
Falk Orange Peel® Rotating Shaft Guards

### Gear Drives

Falk® V-Class® Gear Drives  
Falk Ultramite® Gearmotors  
Rexnord® Planetgear™ Gear Drives

### Industrial Chain & Conveyor Components

Link-Belt® and Rex® Engineered Steel Chain  
Link-Belt and Rex Roller Chain

### Monitoring & Accessories

Rexnord Smart Condition Monitoring System Falk AirMax® Pro™ Powered by Perceptiv™

### PT Drive Components

Autogard® Torque Limiters  
Tollok® Keyless Locking Assemblies  
Falk True Hold® Low-Speed Backstops

## Industrial Chain – Consistently tough.

Regal Rexnord manufactures engineered and roller chain to exacting standards, for the toughest applications. All of the critical components are designed and manufactured to match your material handling requirements. You can count on Regal Rexnord engineered chain solutions to operate dependably for years to come.



# Bulk Material Handling – Belt Conveyors

From small feeder conveyors to large overland conveyors, belt conveyors offer limitless variations to efficiently transport your coal. Regal Rexnord's product and mining application experts will help you determine the ideal configuration and component selection for your conveyor application.



## From the beginning to the end ... Regal Rexnord will be there.

Since 1905, when the first underground conveyor belt was used to transport coal, Regal Rexnord has been there. Our company experience spans more than a century and we strive each day to make your bulk material handling applications more efficient. We dedicated more than 150,000 engineering hours to designing the Falk® V-Class® to be the most dependable gear drive ever built. This is just one example of how Regal Rexnord continues its commitment to providing customers with the drives they need to succeed.

## We keep your coal moving.

Belt conveyors are used every day to transport millions of tons of coal around the world, and Regal Rexnord™ power transmission solutions are helping move that material.

## The right solution to meet your application needs.

Belt conveyors offer limitless variations to efficiently transport your coal. Few organizations have the breadth of product solutions backed by industry knowledge that Regal Rexnord supplies. Tens of thousands of those solutions are at work right now conveying coal. From the quiet workhorse gear drive that keeps the conveyor moving at precise speeds, to the critical link of the coupling that transfers the power from the motor to the gearbox, to our reliable bearings that keep the conveyors rolling - Regal Rexnord has the product solution for your application.

Here is a list of Regal Rexnord products at work conveying tomorrow's coal today:

### Bearings

- Rexnord SAF-Style Bearings
- PT Select™ Mounted Spherical Roller Bearings
- Rexnord SHURLOK® Adapter Mount Spherical Roller Bearings
- Rexnord Cylindrical Roller Bearings

### Couplings

- Falk Steelflex® Grid Couplings
- Falk Lifalign® Gear Couplings
- Rexnord Omega® and Viva® Elastomeric Couplings
- Falk Wrapflex® Elastomeric Couplings
- Falk True Torque® Fluid Couplings
- Falk Orange Peel® Rotating Shaft Guards

### Gear Drives

- Falk V-Class Gear Drives
- Falk Ultramite® Gearmotors
- Falk Quadrive® Shaft-Mounted Gear Drives
- Rexnord® Planetgear™ Gear Drives

### Industrial Chain & Conveyor Components

- Link-Belt® and Rex® Roller Chain
- Rex Conveyor Idlers

### PT Drive Components

- Falk True Hold® Low-Speed Backstops
- Tollok® Keyless Locking Assemblies
- Autogard® Torque Limiters

## Gear Drives – Keep you in motion.

Regal Rexnord gear drives feature super-rugged designs to meet every operating challenge. Application-engineered to minimize stress and wear, and to extend service life, these drives deliver steady, trouble-free operation, day after day. Whether your application needs a Falk V-Class gear drive for an underground mainline conveyor, a Falk Quadrive shaft-mounted gear drive for a small stacking conveyor, a Falk Ultramite gearmotor for a flotation cell, or a Falk V-Class gear drive for a feeder breaker, Regal Rexnord has the gear drive product to meet your application needs.



# Coal Preparation

From sizing to dense media separation to flotation, Regal Rexnord has the product to meet your power transmission application.



## Regal Rexnord – Helping provide a cleaner coal.

Coal preparation may be necessary to upgrade mined coal to meet the market demand for a cleaner product. It does not matter if you mine coal for a steel mill in China or a coal-fired power plant in Virginia, Regal Rexnord helps you provide a cleaner coal product. From the gearmotor that supplies the mixing power in your flotation cells, to the critical link of the coupling that transfers the power from the motor to your slurry pumps, to the engineered chain that keeps the coal moving in your dense media vessels, Regal Rexnord has the product solution for your application.

Here is a list of Regal Rexnord™ products at work cleaning tomorrow's coal today:

### Bearings

Rexnord® SAF-Style Bearings  
PT Select™ Mounted Spherical Roller Bearings  
Rexnord SHURLOK® Adapter Mount Spherical Roller Bearings

### Couplings

Falk Steelflex® Grid Couplings  
Falk Lifalign® Gear Couplings  
Rexnord Omega® and Viva® Elastomeric Couplings  
Falk Wrapflex® Elastomeric Couplings  
Falk Orange Peel® Rotating Shaft Guards

### Gear Drives

Falk® Ultramite® Gearmotors  
Falk Quadrive® Shaft-Mounted Gear Drives

### Industrial Chain & Conveyor Components

Link-Belt® and Rex® Engineered Steel Chain

### PT Drive Components

Autogard® Torque Limiters

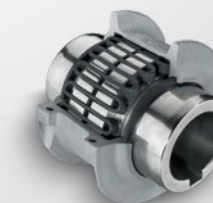
## Bearings – Uptime is everything.

For 100 years Regal Rexnord bearings have been built to survive the toughest applications in the harshest environments. Our bearings feature superior sealing and shaft mounting technology and performance surfaces precision-ground, as well as high thrust and radial load capacities.



## Couplings – The critical link.

A critical link between motor and machine in a power transmission solution is the coupling, and Regal Rexnord understands that perfectly. We have history a of innovation that dates back to 1919, and is built on an installed base across countless industries with worldwide reach. The broad array of Regal Rexnord coupling designs enables a deep knowledge of end-user needs that makes us keenly in tune with application details.



Contact Regal Rexnord today to learn about our mining solutions that can help you increase uptime, productivity and profit.



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### Motion Control Solutions Regal Rexnord

Contact us: [rexnord.com/contact](https://rexnord.com/contact)

[regalrexnord.com](https://regalrexnord.com)

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