

Rexnord Tollok Locking Assemblies





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For more than 35 years, Rexnord Tollok™ Locking Assemblies have led the industry in locking assemblies. Our robust product offering features a wide range of options from simple and compact designs to advanced features such as corrosion-resistant coatings, special bolting, and high-speed applications. From wind energy, cement, aggregate, construction, food, beverage & liquid, forest products, material handling, mining, to fluid power, marine, and water management, Rexnord Tollok products help companies increase uptime. Our full line of locking assemblies can be tailored to fit our customers' ever-changing application needs, and are ideal for use in heavy-duty

and specially engineered environments. We offer a broad range of internal locking assemblies, locking elements, shrink discs and rigid couplings to fit to a wide variety of applications that are dimensionally interchangeable with most industry standard units. Additionally, Rexnord Tollok Locking Assemblies are a great alternative to a shaft/hub connection such as key, splined, press fit, QD bushing, or taper-lock bushings. Customers count on Rexnord Tollok Locking Assemblies to reduce maintenance costs and downtime, increase productivity, provide customized configurations, and more, no matter what the application.

Choose Rexnord Tollok Locking Assemblies for:

- **Application and design engineering technical expertise** — trusted expertise to support and guide you in solving your application challenges. Provide options to meet customer-specific application requirements and provide engineering models for full integration into your designs.
- **Multiple configurations and custom designs** — for your specific needs, our experienced engineers offer multiple configuration options and customized designs with dimensionally tight tolerances to optimize performance and extend service life in critical applications.

Industry Solutions

Our Rexnord Tollok Locking Assemblies portfolio offers a broad array of clamping elements tailored to the specific needs of critical applications. From specification and installation to testing, monitoring, repair and overhauls, Rexnord provides competitive lead times and outstanding 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, ultimately maximizing your return over the product's total lifecycle. With sales and service operations worldwide, and a vast network of distributor relationships, we deliver exactly what you need, when you need it.

Industries Served

- Aggregate
- Beverage & liquid
- Cement
- Construction
- Fluid power
- Food
- Forest products
- Marine
- Material handling
- Mining
- Water management
- Wind energy



Configurations for your application

Rexnord Tollok Locking Assemblies are available in 1/4- to 35-inch (6 to 900 millimeters) configurations, such as internal self-centering and external locking hub mounts. Each configuration has unique features ideal for specific applications.

TLK132 & TLK133 internal locking device



- Minimal screw design utilizes larger diameter screws on smaller profiles
- Improved radial capacity to support mounted component on equipment under load
- Self-centering design reduces installation time and ensures alignment with connected equipment
- Axial movement option allows proper device selection
- 3/4- to 8-inch (20 to 200 millimeters) internal diameter range
- Popular choice for connections to equipment shafts



Shaft connection on a Rex® bucket elevator using a TLK132 internal locking device

TLK450 & TLK452 internal locking device



- 701 to 518,000 ft-lbs (950 to 702,314 Nm) torque capacity
- Compact size for specific applications
- Self-centering design reduces installation time and ensures alignment with connected equipment
- Handle bending moments
- from equipment application designs
- 1- to 8-inch (25 to 200 millimeters) internal diameter range
- Popular choice for bulk handling, conveying and industrial applications with multiple loads



TLK450 internal locking device used on a belt conveyor head pulley

TLK600 series external locking device



- 22 to 966,204 ft-lbs (30 to 1,309,997 Nm) torque capacity
- Lack of shaft to hub axial movement eliminates fretting corrosion and hub failure
- Low inertia reduces rotating design impact in system designs
- Quick assembly and disassembly reduces installation and downtime
- 1/2- to 19- inch (14 to 480 millimeters) internal diameter range
- Popular choice for shaft mounting reducer, hollow shaft mount, shaft couplings, and wind energy applications



Rexnord® Thomas Disc Coupling hub mounted to water pump from motor using a TLK600 external locking device

To learn more about the Rexnord Tollok Locking Assemblies offering and how we can support your application, go to www.rexnord.com, where you'll find product information, and more.

866-REXNORD/866-739-6673 (toll-free within the U.S.) or 414-643-2366 (Outside the U.S.)



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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.

Rexnord Tollok Locking Assemblies Frequently Asked Questions





Rexnord Tollok Locking Assemblies

Frequently Asked Questions



Questions

Answers

What are locking assemblies?

Devices that positively connect a piece of equipment to a rotating shaft and allow for assembly and disassembly without special tooling.

What are some of the typical, most common applications for Rexnord Tollok™ Locking Assemblies?

Aggregate, beverage & liquid, cement, construction, fluid power, food, forest products, marine, material handling, mining, water management, and wind energy.

Can Rexnord Tollok Locking Assemblies be customized?

Yes. To meet your specific needs, our experienced engineers offer customized designs to optimize application performance and extend the life of gears, couplings, pulleys, sheaves, and other shaft-connected equipment.

What materials are Rexnord Tollok Locking Assemblies made of?

Standard Rexnord Tollok Locking Assemblies are constructed of low-carbon steel and high-grade fasteners. For special applications they can be manufactured from other materials such as stainless steel or alloy to offer a corrosion-resistant product or increase load rating for unique applications.

Does the product require lubrication?

No. It features an all-metal, non moving internal part design.

What range of sizes are available?

The size options range from 1/4- to 35-inch (6 to 900 millimeters) bores for shaft diameter connection.

Questions

Answers

What are some advantages of Rexnord Tollok Locking Assemblies versus others?

The Rexnord Tollok product offering is the most comprehensive in the market and is available in 18 internal locking device designs and 8 shrink disc designs. No maintenance is required after installation due to all-metal construction and no moving parts. Locking assemblies offer high-torque transmitting power with low-sliding friction and full rotation or oscillation.

What is the typical torque capacity?

700 to 967,000 ft-lbs (949 to 1,311,076 Nm).

What is the temperature range in which Rexnord Tollok Locking Assemblies can be used?

-40 to 450 degrees Fahrenheit (F) (-40 to 232 C). Special designs available for different temperature needs.

How long have Rexnord Tollok Locking Assemblies been on the market?

They were first introduced to the market in 1979.

Are shrink discs and Rexnord Tollok Locking Assemblies the same thing?

Yes and no. 'Shrink discs' are the technical term for a type of locking device. A shrink disc is a style that clamps the equipment by using compressive forces over diameter of the equipment to the shaft. Rexnord Tollok Locking Assemblies are the Rexnord brand. This offering also includes internal locking devices that are different than shrink discs.

How many configurations of Rexnord Tollok Locking Assemblies are available and why?

There are 26 standard styles available, each with unique features and advantages for specific applications.

What is the lead time for standard configurations?

Standard lead times are one week after receipt of order and four to six weeks for non standard models.

How can I order them?

Contact us at 1-866-Rexnord/866-739-6673 or by contacting your local REXNORD Account Executive.

Are there any customer testimonials on products already installed?

Yes.

"Working with the Rexnord Tollok team is a pleasure because you can always be sure you're receiving the optimal solution for your project. It's like having your own personal consultant."
— Application Engineer from a gearbox manufacturer

"With Tollok Keyless Locking Assemblies, we can disassemble the application easily. Oxidation issues become a thing of the past."
— Maintenance Manager from a steel manufacturer

"With traditional joint systems, the full transmission of application torque can be an issue. With Rexnord Tollok Locking Assemblies, that issue goes away. We can easily increase the safety factor and synchronize the gears, allowing us to take full advantage of the application's potential."
— Research and Development Manager from a pipelay machine manufacturer



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