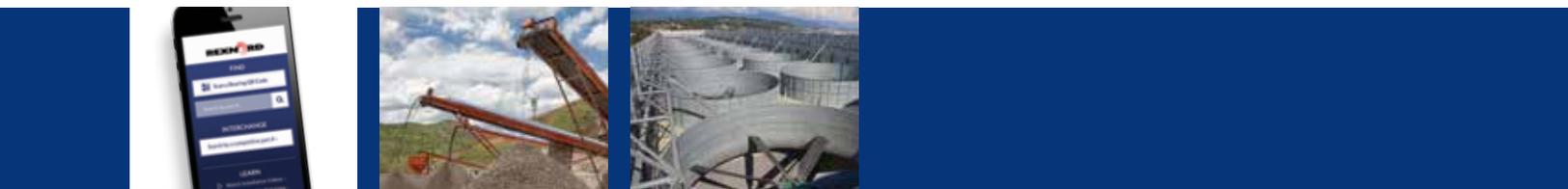


# IloT Smart PT Select Mounted Spherical Roller Bearings Frequently Asked Questions





# IloT Smart PT Select Mounted Spherical Roller Bearings



To help you understand the features, benefits and applications of the Industrial Internet of Things (IIoT) Smart PT Select Mounted Spherical Roller Bearing offering, read our frequently asked questions and their answers below. Don't see your questions? Contact your Rexnord Account Executive or call the Rexnord Bearing Technical Support team at 317-273-5781.

Questions	Answers
<b>What are some of the typical, most common applications for the bearings?</b>	Conveyors, and fan and blower applications in the aggregate, air & fluid handling, cement, material handling, and package handling industries.
<b>How does Rexnord ensure the high quality of the bearings?</b>	Backed by our standard one-year warranty, we test every bearing that leaves our facility before it ships. Testing includes a product qualification process through custom built, state-of-the-art testing, and spin testing under load to ensure against defects. Additionally, all printed performance values are validated through laboratory testing at the Rexnord Innovation Center, an independent, accredited laboratory.
<b>What are the advantages of these bearings versus others in the industry?</b>	We help ensure high quality of our bearings by testing every single bearing that leaves our facility before it ships, and provide off-the-shelf solutions for quick turnaround needs. Additionally, the bearings come with Rexnord® IIoT Smart Products, the suite of digital technology that's built into and around this offering to make your job easier. It features an efficient e-commerce experience, hassle-free bearing selection and ordering, exclusive QR code on your bearings for access to critical documents, a 3D bearing experience, and more. Nearly two-thirds of bearing failures occur due to improper installation or maintenance. By putting this critical information at your fingertips, we help mitigate these risks.
<b>Can the bearings be customized?</b>	They can be customized by choosing between a heavy-duty triple lip seal for contaminant protection or a clearance seal for high-speed performance.
<b>What is the difference between this roller bearing offering and the other Rexnord Roller Bearing offerings?</b>	The IIoT Smart PT Select Spherical Roller Bearings provide on-demand reliability to make your job easier; Rexnord Link-Belt® Roller Bearings are the trusted workhorse for demanding applications; and Rex® Roller Bearings provide custom-engineered solutions for specialized equipment.
<b>What material are the bearings made of?</b>	The housing material is cast iron, and the retainer is metal for enhanced product durability and shock load capacity.
<b>Does the bearing require lubrication?</b>	All bearings come assembled and pre-lubricated prior to delivery. The seal design allows grease and contaminants to be purged from the bearing, and is compatible with standard maintenance practices.
<b>What housing styles are available?</b>	These bearings are available with 2-bolt pillow block, 4-bolt pillow block, Type E 2-bolt pillow block, 4-bolt flange block, Type E 4-bolt flange, and piloted flange block housings.
<b>What is the bore size range?</b>	The bearing is available in 1-7/16–4-7/16-inch bore sizes.
<b>Are imperial and metric sizes available?</b>	Only imperial sizes are available.

Questions	Answers									
Are the housing dimensions interchangeable with other leading brands?	Yes, the housing footprint is a direct drop-in interchange with other leading North American brands.									
What type of grease is featured with this bearing?	The bearings come pre-lubricated from the factory with Exxon Mobil Ronex™* MP grease. Exxon Mobil Ronex MP is an NLGI Grade 2 EP (extreme pressure) grease with a lithium complex thickener.									
What type of mounting collar is used?	A spring loaded set-screw mounting collar.									
What is the set-screw angle with this bearing?	This bearing features a set-screw angle of 90 degrees.									
What seals are available with this bearing?	This bearing features a standard triple-lip seal and an optional clearance seal for high-speed applications.									
What is the total bearing misalignment capability?	The bearing can accommodate +/- 1 degree of dynamic misalignment.									
Are end caps available with this bearing?	Yes, both open and closed end caps are available with this bearing.									
Can end caps be retrofitted onto existing housings and installed in the field?	Yes, all bearing housings are designed to accept a safety cap that can be installed in the field.									
What are the shaft tolerances?	<table border="0"> <tr> <td>1 7/16–1 15/16 (in) shaft size:</td> <td>+ .000 to -.003"*</td> <td>+ .0000 to -.0005"***</td> </tr> <tr> <td>2 3/16–3 15/16 (in) shaft size:</td> <td>+ .000 to -.004"*</td> <td>+ .0000 to -.0010"***</td> </tr> <tr> <td>4 7/16 (in) shaft size:</td> <td>+ .000 to -.005"*</td> <td>+ .0000 to -.0015"***</td> </tr> </table> <p><small>*Commercial shaft tolerances are acceptable for low loads below 7% of the basic dynamic load rating and slow to moderate shaft speed below 50% of the speed rating. **Recommended shaft tolerance for severe loading or high speed.</small></p>	1 7/16–1 15/16 (in) shaft size:	+ .000 to -.003"*	+ .0000 to -.0005"***	2 3/16–3 15/16 (in) shaft size:	+ .000 to -.004"*	+ .0000 to -.0010"***	4 7/16 (in) shaft size:	+ .000 to -.005"*	+ .0000 to -.0015"***
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What is the retainer material?	The retainers are made of metal for additional durability.									
What is the temperature range for this bearing?	Allowable temperature range for this bearing is -40 degrees Fahrenheit (F) (-40 C) to 225 F (107 C).									
Are certain bearing configurations better for certain applications?	The standard triple lip seal configuration is ideally suited for most industry applications and provides excellent ingress protection against contaminants. The optional clearance seal is designed to run cooler at higher speeds.									
What is the product warranty?	The standard Rexnord one-year warranty applies.									
What is Rexnord IIoT Smart Products and how does it make my job easier?	<p>Rexnord IIoT Smart Products is the suite of digital technology built into and around this bearing offering. You'll experience hassle-free bearing selection, and have access to installation and maintenance instructions, videos, real-time inventory availability, and more — 24/7. A QR code is also provided on your bearing that can be scanned with your mobile phone to access Rexnord IIoT Smart Products, putting critical information at your fingertips — simply download a QR code scanner app onto your mobile phone.</p> <p>Scan the QR code to the right for an example of what information you'll find through the bearing-specific QR code.</p> 									
Does the Rexnord Bearing Mobile Pro™ app contain information on these bearings?	Yes. Among the features in the app is an integrated QR code scanner, manual part search, competitive interchange guide, product support videos, and industry literature.									
How can I download the app?	You can download the app for free on the App Store or Google Play.									
Where can I get more information?	For more information, visit <a href="http://www.rexnord.com/PTSelect">www.rexnord.com/PTSelect</a> to access innovative, online tools, and product documentation (BR1-011_LTR) to help support your bearing selection. You can contact your Rexnord Account Representative or call the Rexnord Bearing Technical Support team at 317-273-5781.									

\*Ronex™ is a trademark of Exxon Mobil Corporation or one of its subsidiaries.



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.