



866-REXNORD/866-739-6673 (Within 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.

Rex Roller Bearing Performance Improvements Frequently Asked Questions





Rex Roller Bearing Performance Improvements Frequently Asked Questions

To help you understand the features, benefits and applications of the Rex Roller Bearing performance improvements, read our frequently asked questions (FAQs) 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

Did the Rex® Roller Bearing housing dimensions change?	No. The housing dimensions remain the same.
Are the auxiliary caps still available?	Yes. They are used to keep contamination out of the bearing in the most demanding applications and remain unchanged.
Did the seals change (Z, K, M)?	No. The Z-clearance seal, K-light contact seal and M-heavy contact seal remain the same.
Are the seals still interchangeable?	Yes. The Rex Roller Bearing seals remain interchangeable by removing the snap ring, replacing the seal and installing the snap ring back into place to hold the seal.
Are U-kits replacement inserts still available?	Yes. Standard U-kit assemblies are available in all shaft sizes.
Can an existing bearing insert be replaced with the new bearing insert design?	Yes. The new, improved bearing insert design is completely interchangeable.
Can the internal clearance of the Rex Roller Bearing still be adjusted?	Yes. The internal clearance can be adjusted by removing the micro tab and adjusting the threaded cover.
Is the misalignment still $\pm 1.5^\circ$?	No. The new, improved bearing design will allow the Rex Roller Bearing to misalign $\pm 2^\circ$ for a total of 4° of misalignment.
Has the new design been implemented on all the shaft attachment styles?	Yes. Single set, double set, eccentric and the adapter styles will have the same insert design.
Does the new design change the speed limit rating for the Rex Roller Bearings?	No. The speed limit ratings remain unchanged. Check the catalog for the appropriate speed rating based on the specific application and type of seal (Z, K or M) used.
Did the recommended shaft seat diameter tolerances change?	<ul style="list-style-type: none"> • No. Shaft seat diameter tolerances vary by shaft size: <ul style="list-style-type: none"> 1" thru 4" – Nominal to -0.001" 4 1/16" thru 5" – Nominal to -0.0015" • No. SHURLOK® Bearings shaft seat diameter tolerances vary by shaft size: <ul style="list-style-type: none"> 1" thru 2" – Nominal to -0.003" 2 1/16" thru 4" – Nominal to -0.004" 4 1/16" thru 7" – Nominal to -0.005"

Questions

Answers

What changed with the new design?	We have changed the roller from a concave geometry to a convex geometry design and increased the roller diameter.
Only the shape of the roller changed with the new design?	No. We have significantly improved the roundness of the roller as well as the surface finish of the roller. In addition, the inner/outer raceways have been made to accommodate the roller design.
Did the inner and outer races change?	Yes. The inner and outer races accommodate the convex roller design and have been ground and honed to a super finish raceway.
Did the retainer of the bearing change?	No. The Rex Roller Bearing still comes with a polymeric retainer for quiet operation. Steel retainers are available for high temperature and high-shock load applications.
Did the steel used to make the insert change?	No. Inner races are still made with 8620 case carburized steel.
Is the bearing still shaft-ready out of the box?	Yes. All Rex Roller Bearings' internal clearances have been set by the factory and greased for quick "out-of-the box" installation. Unless specified otherwise, each bearing is pre-lubricated with an NLGI No. 2 lithium based, mineral oil grease suitable for operations across a wide range of applications.
Did the recommended grease re-lubrication intervals change for the new design?	No. Re-lubrication intervals are the same. Re-lubrication intervals and amounts are based on the shaft speed and other operation conditions. See service instructions for intervals and amounts based on your specific application.
What is the temperature range for the new design bearing?	Allowable temperature range without special grease and changing of the standard internal clearance is -40°F to +225°F.
Are Rex Roller Bearings still available in fixed and expansion styles?	Yes. Fixed and expansion units remain the same.
Do the Rex Roller Bearings still have the outer race press fit into the housing?	Yes. This reduces the possibility of outer race rotation, especially with unbalanced loads.
What does this design change mean to me?	<ul style="list-style-type: none">• The design change to the roller allows the bearing to have a greater load carrying capacity. The roller has more surface area contact with the inner and outer races, resulting in increased load capacity, which directly impacts the bearing life.• Consult online technical specifications for specific changes.• The design change to the roller allows for the bearing to have greater misalignment capability. You can misalign the Rex Roller Bearing to $\pm 2^\circ$.• The super finished raceways allow for the Rex Roller Bearing to operate at approximately 10 percent lower noise level – (67-68 dbA).• The super finished raceways and roller shape allows for the Rex Roller Bearing to have a lower operational temperature – 5-10°F less than previous levels.