History of Innovation

Platform Evolution
Today
Rex Roller Bearing platform enhancement. Geometry changed from hourglass to barrel roller, combined with improved tolerances, capacity and speed as well as reduced noise.

1915 & 1918
Shafer Roller Design
Patents 1,152,663 (1915) & 1,1551,334 (1918)
Julius E. Shafer was an innovator in the anti-friction bearing field. His unique roller and race design became the foundation for Rex and Link-Belt mounted roller bearings.

1933
Mounted Roller Bearing
Patent 1,926,403 (1933)
Horace P. Phillips, of Link-Belt, invented a shaft-locking method for roller bearings.

1940 & 1975
Improved Roller Performance
Patents 2,227,064 (1940) & 3,910,656 (1975)
Continued improvements through roller skew control and osculation (roller and race profile matching).

1956
Improved Sealing Performance
Patent 2,767,037 (1956)
Chain Belt Co. (Rexnord) develops improved seals designed specifically for dynamic misalignment.

1995 & 2010
Continuous Solutions
Rexnord patents focus on custom solutions: oscillation and improved shaft attachments with SHURLOK®.
Customer Centric Production

**Computer Numerical Control Machining Centers**
State-of-the-art machining centers are utilized to process steel bars and tubes. In addition, robust machine centers produce the wide variety of bearing housings required to serve the market. These centers allow for maximum production flexibility when throughput and on-time customer deliveries are critical.

**Heat Treat and Grinding**
Multiple carburizing and through-hardening furnaces are utilized. They have the flexibility to handle multiple sized parts in a variety of lot sizes.

Grind and super finish capability on rings and rollers provide the enhanced performance our customers expect.

**Kanban Supermarket**
We utilize a broad selection of parts which are pulled from our Kanban Supermarket. This forward-deployed inventory provides the flexibility for quick turnaround on orders. The most popular components are always in stock and replenished daily. For maximum efficiency this inventory is located next to the assembly centers.

**Flexible Assembly**
We have the ability to assemble one to 1,000+ lots with minimal or no changeover time. The flexible cells provide the most subtle custom variations: grease, clearance, lube fittings, etc. To ensure that every bearing meets our noise specification, they are 100 percent noise tested before being boxed for shipment.
Robust Product Platform

**Direct Lubrication**
Industry’s only direct lubrication for mounted spherical bearings. Lubrication is applied to the rollers where needed vs. pushing the grease through a lube groove.

**Cage Options**
Polymeric for improved noise and steel for more rugged applications that involve high heat and shock.

**Non-Standard Rollers**
Unique roller design allows for improved load carrying capability, which provides greater life.

**Super Finished Raceways**
Allows the bearing to operate more quietly and cooler than before, contributing to improved life.

**Durable Housing**
In-house heavy section housings that utilize a corrosion-resistant protective, TGIC polyester powder coat surface layer.

**On-Site Machined Housings**
Allows for complete tolerance control and the utmost flexibility providing industry-leading delivery on standards and specials.
Two-Piece Outer Ring
Industry’s only design that provides greater thrust capacity and misalignment capability as well as direct grease flow to the rollers.

Field Changeable Seals
Provides greater flexibility in the field to convert seals based on the application. This allows for customization.

Broad Seal Offering
Non-Contact → Heavy Contact → Aux Caps
Multiple other seal options are available from stock and can be user-installed.

Multiple Shaft Attachment Options
The industry’s best offering of shaft attachments. Robust designs based on your application needs.

Adapter Mount
Single Set Collar
Eccentric Locking Collar
Double Set Collar

Micro-Loks – Adjustable Clearance
Allows for conversion to high speed, high temp, or shock-load applications in the field. No need to wait for a special order bearing.
Rex® Bearings are the proven solution for the toughest applications. A highly configurable architecture provides the flexibility to design a bearing specifically for any application. The extensive selection is what makes Rex one of the industry’s leading solution providers.

**Specifications**

Super Finished
- Rollers
- Inner & Outer Raceways

Impact
- Run Faster & Cooler by up to 10°F
- Reduce Noise (<68 dbA)

**Applications**

- Aggregates
- Air Handling
- Construction
- Forestry
- Mining
- Steel
- Wastewater Treatment

**Housing Styles**

**Shaft Attachment Options**

- Single Set Collar
- Double Set Collar
- Adapter Mount
- Eccentric Locking Collar

**Auxiliary Caps**

**Seals***

- Rex Z Seal
- Rex K Seal
- Rex M Seal
- Rex G Seal

**Size Range**

| Basic Shaft Size | 15/16 | 1 3/16 | 1 7/16 | 1 11/16 | 1 15/16 | 2 3/16 | 2 7/16 | 2 11/16 | 2 15/16 | 3 7/16 | 3 15/16 | 4 7/16 | 4 15/16 | 5 7/16 | 5 15/16 | 6 7/16 |
|-----------------|-------|--------|--------|---------|---------|--------|--------|---------|---------|--------|---------|--------|---------|--------|---------|
| Mounting Style  | Single Set | Double Set | Eccentric | Adapter | Single Set | Double Set | Eccentric | Adapter | Single Set | Double Set | Eccentric | Adapter | Single Set | Double Set | Eccentric | Adapter |

*Additional seal options available.
Link-Belt® Bearings are the “tried and true” platform of the industry. With a long history of performing in a wide variety of applications, the Link-Belt name is known for reliability. With 80 years of history, Link-Belt is the smart choice.

**Applications**
- Aggregates
- Agriculture
- Air Handling
- Construction
- Forestry
- Mining
- Steel

**Size Range**

| Basic Shaft Size | 15/16 | 1 3/16 | 1 7/16 | 1 11/16 | 1 15/16 | 2 3/16 | 2 7/16 | 2 11/16 | 2 15/16 | 3 7/16 | 3 15/16 | 4 7/16 | 4 15/16 | 5 7/16 | 5 15/16 | 6 7/16 |
|-----------------|-------|--------|--------|---------|---------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Mounting Style  | Single Set | Double Set | Eccentric | Adapter |

**Housing Styles**

- Single Set Collar
- Double Set Collar
- Eccentric Adapter

**Seals***
- Link-Belt® H Seal Clearance Seal
- Link-Belt® E Seal Heavy Contact Seal
- Link-Belt® E7 Seal Triple Lip Seal

**End Closures**

**Shaft Attachment Options**
- Single Set Collar
- Double Set Collar

*Three proven seal choices
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.