

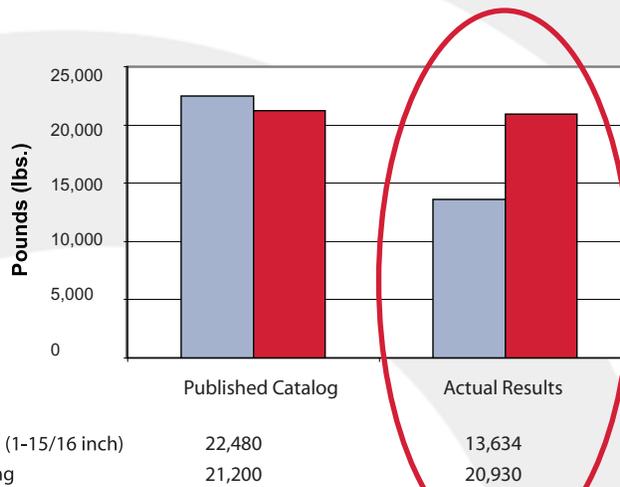
Distinguish between fact and fiction about Rexnord® Bearings

Fact – With low cost bearings, you get what you pay for.

Fiction – Low cost bearings perform better than Rexnord bearings.

Better Performance? Not Even Close!

Rexnord bearings are the better option!



■ Foreign Sourced bearing (1-15/16 inch)
■ Link-Belt® B22431 bearing

Some foreign low cost roller bearing manufacturers publish catalog ratings greater than the Rexnord brand. But the true measure for performance in a bearing is in actual results, where the Rexnord bearing has a more than 50% better load rating than some foreign low cost bearings. Why do Rexnord bearings demonstrate superior performance?

1. More contact angle between roller and outer ring
2. Robust shoulder and threaded cover
3. More contact surface

Rexnord Provides a 90% Greater Roller Contact Angle:

- Rexnord roller bearing models provide contact angles up to 14.98° between the rolling element and outer ring. (See Figure A)
- Some imports only allow for a 7.89° contact angle. (See Figure A)

A greater contact angle makes a difference in the real world. A leading steel coil coating company reported the use of low cost foreign bearings in its operation and experienced failures in less than 48 hours due to the inability of the bearings to handle the application's thrust loads.

* Rexnord Industries, LLC operated units to determine actual performance.

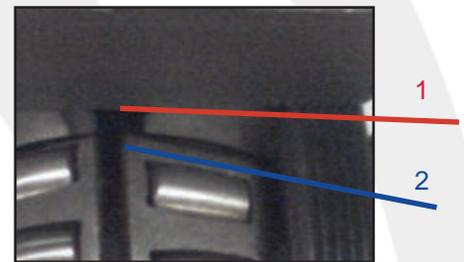


Figure A

Foreign = 7.89°
contact angle
(line 1)

Rexnord bearing
= 14.98° contact
angle (line 2)

Angles represented by corresponding color lines in photograph above



Figure B:

The Rexnord bearing provides a cast-in place shoulder to handle thrust loads

Robust Shoulders and Threaded cover Provide Superior thrust loading:

- Rexnord® bearings use a thick cast iron shoulder that is integrated into the housing (Figure B)
- A 68% thicker threaded cover handles the side thrust loading on the opposite side of the Rexnord bearing (Figure C)
- Some foreign low cost providers use a thinner threaded cover to handle thrust loads (Figure C)

More Roller Contact Surface Area:

- Because Rexnord's bearing design utilizes rollers that are longer, it has more surface contact area between the rollers and raceway (Figure D)
- A 19% larger surface contact area provides greater thrust and radial overall dynamic loading capacity (1¹⁵/₁₆" size)
 - Rexnord bearing contact area = .89 sq. inches
 - Low cost provider contact area = .75 sq. inches

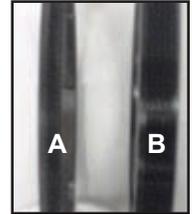


Figure C

A. Low cost provider threaded cover thickness is .251"

B. Rexnord bearing threaded cover thickness is .422".

Foreign Sourced Value Line Feature Claims

Steel Housing with Lifetime Warranty: Less than 1% of bearing failure is attributed to the housing. A lifetime warranty of the housing is akin to a guarantee on the condition of the box, but not the bearing inside; it is interesting, but not very useful.

Low Price: Purchase price is a small part of total ownership costs. Downtime costs, bearing life, performance, and maintenance costs should also be taken into consideration. With a longer operational life, better performance and sealing capabilities, the Rexnord Roller Bearing always saves money in the long run. Choosing a low cost bearing can cost you up to 6 times in downtime and replacement costs.

Country of Origin: Rexnord roller bearings are assembled in Indianapolis, Indiana and Downers Grove, Illinois. Rexnord bearings are proud of our heritage and commitment to quality. Some importers, by contrast, do not admit that their product is manufactured in China and omit the origin of manufacturer on their product, labels, and packaging.



Figure D

The Rexnord roller is 23% longer than the foreign-sourced roller

Additional Rexnord Features

Seals: Rexnord roller bearings allow seals to be changed in the field. With some foreign sourced value lines, the entire bearing must be changed out if the seals are worn, leading to higher replacement costs.

Threaded cover: The robust threaded cover, while excellent for handling thrust loading, also provides for the adjusting of clearances in the field depending on applications. Most foreign sourced value lines do not have this feature.

The Bottom Line...

The truth is, ***you do get what you pay for!*** Rexnord bearings provide superior performance and value because of a better design. Greater contact angle, more robust shoulders, more contact surface, field interchangeable seals and clearances are some of the design and value features that distinguish them from foreign sourced roller bearing products.