

R ROLLWAY[®] BEARINGS



Engineered Bearings for Your Applications

Engineering and Manufacturing Anti-Friction Bearings Since 1908

Rollway Bearing Division of Emerson Power Transmission, originally known as the Railway Roller Bearing Company, has been a U.S. producer of high quality rolling element bearings since 1908. Rollway first started manufacturing anti-friction bearings for electric street cars in the early 1900's and has been producing the same high quality, reliable roller bearings ever since. Now, with the support of EPT, Rollway has the ability to take roller bearing technology into the next century and provide engineered bearing solutions for your applications.

For almost a century, Rollway has been manufacturing roller bearings for many different types of industries. Rollway engineers have been consultants to design engineers in practically all types of industries. They have developed many special designs for specific applications. Rollway engineers are just a phone call away.

Rollway Bearings can be found in practically all types of industrial equipment: Plastic Processing, Steel Mills, Oil Field Equipment, Off Road and Mining Equipment, Railroads, Pumps and Compressors, Pulverizers, Shaker Screens, Cranes, Electric Motors and even Aerospace applications, to name a few.



1-800-448-2260



Cylindrical Radial Roller Bearings

Designed and Built for Longer Life



Features

Manufactured in U.S.

Standard Catalog Metric Sizes (ABMA)

Extra capacity designs available in 200, 2200, 300 and 2300 series

Rollway 1200, 1300 series still available

Custom designs available - OD's from 4" - 40"

Crowned rollers - Standard on all Rollway Cylindrical Radial Bearings

Retainer Selection

- **One Piece Machined (Broached)** - Brass and silver plated steel for improved speed capabilities
- **Two Piece Machined Brass** - Roller riding retainer designed with close tolerance, drilled, roller pockets for better roller guidance
- **Segmental Steel** - A built-up retainer utilizing low carbon steel segments rigidly held between stamped, low carbon steel end plates
- **None** - Some Rollway bearings can be provided with no retainer to allow for maximum load carrying capability
- **Custom** - materials, sizes and designs engineered to maximize performance

Engineered Features and Options

- Special Internal Clearances
- Materials
- Special Features
- Designs



Diameter Series

Width Series

| | | | |
|------|------|------|------|
| 1000 | | 5000 | |
| 100 | | 5100 | |
| 200 | 2200 | 5200 | 6200 |
| 300 | 2300 | 5300 | |
| 400 | | | |



Roller Thrust Bearings

Designed and Built to Solve
Thrust Application Problems



Features

Manufactured in U.S.

Crowned Rollers - With sphered ends standard on all Rollway Thrust Bearings

Standard Catalog Inch Series

- **Cylindrical Roller**
 - 600 & 700 Series; Single Acting, Double Acting and Aligning style
 - Crane Hook (banded) with and without grease fitting
 - Combination Radial - Thrust
- **Taper Roller Thrust**
 - Manufactured from Carburizing Grade Steels
 - TTHD Style
 - T-Flat (TTVF) Style



Tandem Thrust (Multi-Stage) - Patented by Rollway in 1945. These bearings have the highest load rating to outside diameter ratio available.

- 2 to 8 Stage Designs
- Metric or Inch Series
- Custom Designs

Custom Engineered

- 2 to 42" OD's
- Materials
- Designs
- Special Features



Steel Cage Journal Roller Bearings

Still Available, Time Tested

Features

Manufactured in U.S.

200 & 300 Metric Series

Bore Sizes from 30mm to 220mm



Reliability Through Total Quality and Engineering

Rollway Bearings - Engineered for Longer Life

Catalog Sizes

ABMA Standard Sizes

- Metric Radial Roller
- Inch Cylindrical Thrust
- Inch Taper Thrust

Industry Standards

- Steel Cage Journal Roller Bearings



Special Designs

Complete custom designed Radial and Thrust Bearings, 2- 42".

Precision

Available in precision class RBEC 1,3 &5.

Crowned Rollers

Standard on Rollway Metric Radial, Cylindrical and Taper Thrust



Materials

The right material for the application:

- Vacuum degassed 52100 and 52100 mod standard on most bearings
- VIMVAR grade steels - Cleaner Steels for longer fatigue life
- M-50 - High hot hardness for high temperature applications
- Carburizing grade steel - for better fatigue life and impact resistance, standard material on Taper and Tandem Thrust bearings
- TDC Coating - Corrosion and wear resistance

Retainer Designs

Custom engineered for smooth operation. See the product section or call Rollway engineers for more in-depth information on retainer selection and application.

Special Features

To solve those special application problems:

- Holes - Lifting, Mounting or Lubrication
- Anti-Rotation - Slots, Notches or Tabs
- Special internal clearances on any catalog bearing
- Heat Stabilization - 335 degrees Fahrenheit standard on bearings made of 52100, up to 400 degrees Fahrenheit available

Get Smooth, Tough Performance with Rollway's Full Line of Radial and Thrust Roller Bearings

| Radial Roller Bearing Series | Radial Roller Extra Capacity Bearing Series | Steel Cage Journal Roller Bearing Series | Cylindrical Roller Thrust Types & Styles | Taper Thrust Types & Styles |
|------------------------------|---|--|--|-----------------------------|
| 1000 | 200 | Metric 200 series | Single Acting | TTHD style |
| 5000 | 2200 | Metric 300 series | Single Acting Aligning | T-Flat (TTVF) style |
| 100 | 300 | Custom | Double Acting | Screw Drum |
| 5100 | 2300 | | Double Acting Aligning | Custom |
| 1200 | Custom | | Crane Hook (banded) | |
| 5200 | | | Tandem 2-8 stages | |
| 6200 | | | Custom | |
| 1300 | | | | |
| 5300 | | | | |
| 400 | | | | |
| Custom | | | | |

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1-800-448-2260

Call toll-free today for the Rollway Distributor nearest you. We'll be happy to answer any questions you might have about Rollway Bearings, including applications, non-standard bearings and availability.



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Application Considerations

The proper selection and application of power transmission components and bearings, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such components and bearings. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the components and bearings and the customer should carefully review requirements. Any technical advice or review furnished by Emerson Power Transmission components and bearings with respect to the use of components and bearings is given in good faith and without charge, and Emerson assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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