

# NTN®

## Roller Bearing Application and Maintenance Seminar



NTN BEARING CORPORATION OF CANADA

305 Courtneypark Drive W, Mississauga, ON, L5W 1Y4, CANADA

Tel: 1-800-405-6720 Fax: 905-564-9023 [www.ntn.ca](http://www.ntn.ca)





**TO REGISTER** ▾

**Call 1-800-405-6720**

Regardless of industry, one reality is that demands on rotating equipment result in demands directly on the bearings. Join the NTN Technical Engineering And Maintenance TEAM on a journey through bearing design, selection, installation, maintenance and root cause failure analysis.

## Introduction to Anti-Friction Bearings

Participants will learn the fundamentals of current bearing technology and how to consider selection including:

- › bearing types, design and materials
- › product features and benefits
- › theoretical bearing life calculation
- › tolerances and precision grades
- › radial internal clearance
- › shaft and housing fit selection

## Installation

In conjunction with classroom lectures, the participants will learn, in a hands-on environment, the correct procedures for mounting and dismounting the following types of bearings:

- › ball and roller bearings, cold and hot mounting
- › bearing units and heavy duty blocks
- › tapered roller bearings and setting end play
- › large bore bearings including the use of hydraulics

## Lubrication & Sealing

Lubrication & Sealing are the root cause of more than 50% of all premature bearing failures. Although the lubricant is an integral component of every bearing system, it is often overlooked. This very important topic is covered in detail:

- › lubrication & sealing fundamentals
- › requirements of the bearing
- › selecting and evaluating performance
- › methods of delivery
- › diagnosing and solving problems



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If you design, maintain or repair rotating equipment this program is a must to enhance your assets daily performance. An intensive 3 day course presented using interactive lectures and hands-on workshops concentrates on common bearing problems with a practical approach on how to avoid premature bearing failure.

## Failure Analysis

A major component of any effective preventative maintenance program is understanding what went wrong...and then correcting the problem. Bearing failure analysis is a pro-active, front line job that has proven to increase equipment up-time. In-depth Bearing Failure Analysis lectures with examples and case studies are illustrated by the industry's leading authorities on bearing analysis and failure prevention.

## Make it Personal

This is a great opportunity to pick up valuable knowledge from NTN's Engineering and Service team and challenge them with your bearing troubles. Discuss your bearing challenges or share your specific case study amongst participants in a comfortable open forum. Take your new knowledge and expertise back to your workplace to share with co-workers and make your bearings survive longer.

### Date:

8:30am to 5:00pm  
May 14th to 16th, 2024  
Daily

### Location:

NTN Bearing Corporation of Canada  
305 Courtneypark Drive West  
Mississauga, Ontario, Canada

### Registration Fee:

- 3 Days for just \$2495+HST per person.
- Lunch and all materials included.

## BONUS

Participants will have a chance to visit one of Canada's most advanced bearing manufacturing plants.





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**TRAINING SESSION DATE**

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8:30AM to 5:00PM Daily

**LOCATION**

NTN Bearing Corporation of Canada Ltd.  
305 Courtneypark Drive West, Mississauga, ON, L5W 1Y4

**NTN Roller Bearing Application and Maintenance Seminar**Company  
Street Address  
Postal Code  
City  
Province  
Phone  
Ext  
**DELEGATES**

\*Lunch during the duration of the course is provided, accommodations<sup>1</sup>, transportation, incidentals and dinners are the responsibility of the participant

First Name / Last Name  
Email  
Title  
Phone  
Dietary Restrictions  
First Name / Last Name  
Email  
Title  
Phone  
Dietary Restrictions  

**\*Hotel Recommendation (Out of town guests): Fairfield Inn & Suites Toronto Mississauga**

Address: 35 Courtneypark Dr W, Mississauga, ON, L5W 0E3; Tel: 905.564.2030

Website: [marriott.com/hotels/travel/yyztm-fairfield-inn-and-suites-toronto-mississauga/](http://marriott.com/hotels/travel/yyztm-fairfield-inn-and-suites-toronto-mississauga/). NTN rate is \$149/night plus applicable taxes.

**Registration Fee:****C\$2,495+HST per person****Method of Payment:**

• Contact your preferred NTN Authorized Distributor Partner

**Registration fees include:**

- instruction and admission to all workshop sessions
- NTN comprehensive bearing training manual
- a complete set of NTN general catalogues
- daily lunches and refreshments

Email Completed Registration: [TrainingPrograms@ntn.ca](mailto:TrainingPrograms@ntn.ca)**NTN BEARING CORPORATION OF CANADA**

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