

The **Technical Training Unit (TTU)** is specifically designed to meet the needs of individuals involved in bearings. Fully equipped to perform bearing training sessions, it facilitates on-site consultation with NTN engineering and NTN field service specialists. Modular presentations focus on bearing products and maintenance issues. Modules begin with a lecture on the related topic, followed by hands-on demonstrations which reinforce the covered material. To find out more about NTN's TTU, please contact your NTN Technical Services Specialist or call NTN Engineering at 1-800-405-6720.

## TTU Technical Modules

- Bearing Essentials
- Stores: Storage and Handling
- Ball and Roller Bearing types
- Bearing Units
- Heavy Duty Blocks: Split pillow blocks and SP series
- Electric motor / Pump assembly and related issues
- Shaft and housing fitting practices
- Radial internal clearance and measurement
- Installation of cylindrical bore bearings
- Installation of tapered bore spherical roller bearings
- Bearing Lubrication Principles
- Bearing Failure analysis



## NTN Provides

- Fully equipped TTU to perform on-site training
- Training performed by NTN Engineering and/or Technical Service Specialist
- Specific agenda designed for your operation
- Modules reinforced by hands-on demonstrations
- Maintenance training manuals for each attendee

## Customer Requirements

- Coordinate acceptable training dates, schedule and fees (\$1,200/day + travel disbursements)
- Training facility able to accommodate group
- Accessible space for roll out or table top hands-on demonstration equipment
- Area to unload appropriate training gear
- Parking for TTU cube van





## Beyond Bearings

Training. Installation Support.  
Trouble-shooting. And more.

When you choose NTN, your team is equipped with all the necessary tools and resources to get the job done right. From installation to problem-solving, we'll be there with the hands-on support you need to take on your toughest challenges.

1-800-405-6720

trainingprograms@ntn.ca

 **Technical  
Training Unit**  
ON-SITE TRAINING PROGRAM

## Technical Training Module Selection

- Bearing Essentials  
(1 Hour Recommended)
- Stores – Storage & Handling  
(1 Hour Recommended)
- Ball & Roller Bearings  
(1.5 Hours Recommended)
- Bearing Units  
(2 Hours Recommended)
- Heavy Duty Blocks  
(2 Hours Recommended)
- Electric Motor  
(3 Hours Recommended)
- Shaft & Housing Fitting Practice  
(1.5 Hours Recommended)
- Radial internal clearance  
(1 Hour Recommended)
- Cylindrical Bore Bearing. Installation  
(1 Hour Recommended)
- Tapered Bore SRB Installation  
(2.5 Hours Recommended)
- Lubrication Principles  
(2 Hours Recommended)
- Failure Analysis  
(2 Hours Recommended)
- Other

Customer:

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Fee Estimate:

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Representative:

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[www.ntn.ca](http://www.ntn.ca)

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