

Since 1918, NTN has been a trusted OE manufacturer of high-performing bearings that increase productivity and efficiency.

With plants in Canada, the United States, Japan and Western Europe, NTN is the world's broad-line bearing manufacturer. We provide the flexibility and responsiveness of a reliable local partner with the expertise of a global brand, offering best-in-class products at competitive prices. We also understand that variety is just as important as quality. We're dedicated to producing the industry's most extensive range of bearing products—all designed to provide you with peace of mind so that you can get the most out of your bearing investments.

DRIVE NTN 100

DRIVE NTN will transform our business into the next century through our increased investment in digitalization, research & development, innovation of new technologies, variable cost structure, optimization and new efficiencies with our Kaizen spirit.

Through our expertise in design, support, and operational technologies, NTN aims to be your innovation partner in the new digital era. As a company looking to the future, NTN places emphasis on investing in research and development through technological leadership in products and processes, through profitable components and systems that provide added value for our customers. We leverage NTN products, expertise in engineering and strategy consulting and partner with clients to create customizable bearing solutions to align with client specific resource saving goals.



- ◀ NTN was the first bearing manufacturer to be awarded the prestigious Deming Prize for recognition of its quality products and systems.

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. This includes extra services such as:



Technical Training Unit

On-site, mobile training unit offering specialized, hands-on instruction from NTN engineers



Product Training School

Three days of in-depth bearing training offered exclusively to our distributor partners from the NTN Engineering and Service group



Maintenance Training School

An intensive three day course on the design, application and maintenance of anti-friction bearings with hands-on workshops



eKnowledge

WEB-BASED TRAINING PROGRAM

Six online product training modules covering different bearing types and nomenclature (www.ntnamerica.com/eknowledge)



NTN Bearing Finder

Customizable search tool featuring exhaustive data sets, comprehensive part interchanges and interactive CAD drawings (www.bearingfinder.ntnamerica.com)



C17NTNLNECD/E

**Ready to get rolling? Contact us today for full details at
1-888-412-4122 or techsupport@ntn.ca.**

NTN®

NTN BEARING CORPORATION OF CANADA • 305 Courtneypark Drive W • Mississauga, ON, L5W 1Y4, CANADA

Tel: 905-564-2700 • Fax: 905-564-9023 • www.ntn.ca

NTN[®]



OUR VISION: DELIVERING THE
ULTIMATE 
BEARING EXPERIENCE

Everything you
need to keep on rolling.



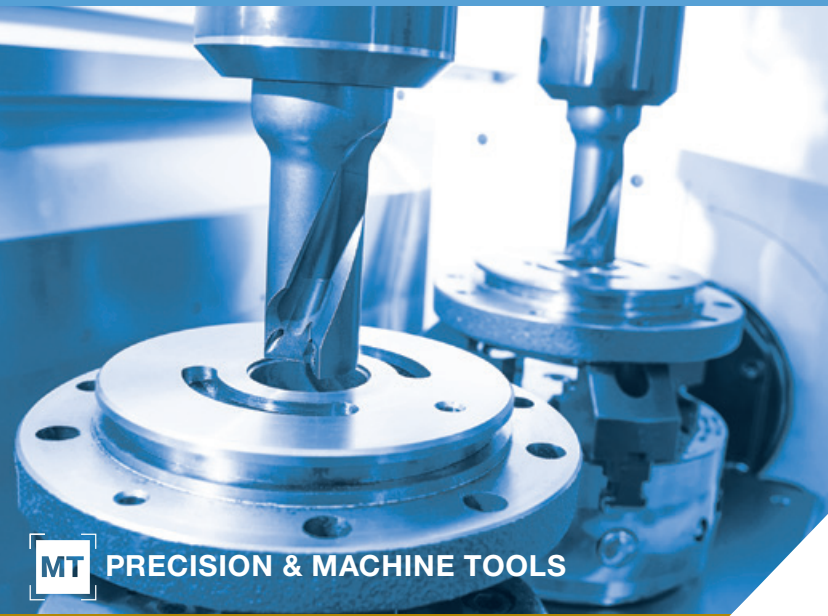




FB FOOD & BEVERAGE



WE WIND ENERGY



MT PRECISION & MACHINE TOOLS



CO CONSTRUCTION

NTN's got you covered.

Deep Groove Ball Bearings

SUPERIOR SILENCE



Nobody matches NTN for silent operation. Our DGBBs are recognized globally for quality and precision engineering designed to minimize downtime.

- **Variety of materials that increase reliability**
 - TMB material doubles bearing life in clean conditions and gives 5x the life in contaminated environments
- **Variety of seals to handle contamination or speed challenges**
 - LU seal eliminates contamination
 - LB seal provides superior protection without heat generation at higher speeds
- **TOPLINE™ bearings operate in extreme temperature ranges**
- **From 6 mm bore to 730 mm O.D.**

Machine Tool Bearings

OEMS' FIRST CHOICE

Trusted partner for the most demanding aerospace applications.



- **Brand of choice for 90% of the world's machine tool manufacturers**
- **Ceramic rolling elements for the highest speed, rigidity and temperature applications**
- **From 6 mm bore to 670 mm O.D.**



METALS MANUFACTURING



MINING



Angular Contact Ball Bearings

OPTIMIZED DESIGNS FOR MOTOR AND PUMP APPLICATIONS

- **Application-specific preloads and contact angles**
 - Extreme, high-precision configurations ensure maximum bearing life and speed capabilities
- **Pressed steel, machine-brass and injection-molded nylon cage options**
- **From 6 mm bore to 670 mm O.D.**



Cylindrical Roller Bearings

PREMIUM IS OUR STANDARD

NTN standard bearings are better than the competition's premium products for noise and capacity performance.

- **NTN's 95+ year history with ISO bearings makes us the industry leader for this center-cut line**
- **Trusted partner for over 100 years supplying the world's largest industrial OEMs with inch-based CRBs**
- **Specialty features to suit specific applications**
 - "X" bar cage option offers higher speeds and greater accuracy
 - Austenite Strengthening (AS) on rollers increases bearing life
 - High Lubrication (HL) surface raises bearing life in poor lube conditions
- **From 17 mm bore to 720 mm O.D.**



Needle Roller Bearings

TIME-TESTED BY WORLDWIDE AUTO MAKERS

Automobiles are the highest volume NRB application, and NTN is present in virtually every car on the road today.

- **2–8x the capacity of other bearings for the same shaft size**
 - Highest power density of any bearing type
 - High Lubrication (HL) surface raises bearing life in poor lube conditions
- **From 3 mm bore to 600 mm O.D.**



Constant Velocity Joints

PREFERRED BY STEEL AND MACHINE TOOL USERS AROUND THE WORLD

Coupling, fixed drum, sliding and fixed disk constant velocity joints suit specific applications.

- **Coupling type CVJs install easily because they require no shaft alignment**
- **Sliding type CVJs allow for shaft expansion due to thermal expansion and assembly offset**
- **Fixed disc CVJs can operate at a very high speed, Cup and Drum types operate at a very high offset angle**



AG AGRICULTURE

Tapered Roller Bearings

TRUSTED FOR A CENTURY

NTN is the design leader to the world's largest OEMs and end users.

- NTN supplies 2/3 of the world's Fortune 500 manufacturers
- Specialty surface treatment and heat treatment to suit specific applications.
 - ECO-Top bearings have extended life, reduce operating torque and anti-seizure and eased assembly specifications
- Logarithmic crowned rollers support higher operating loads at lower temperature
- From 15 mm bore to 2,180 mm O.D.

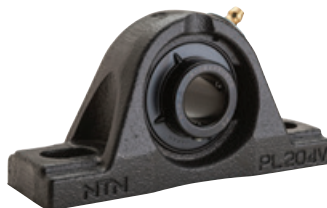


Ball Bearing Mounted Units

THE BROADEST LINE IN THE INDUSTRY

From agricultural and food machinery to high performance Ultra- Class™ bearing units, NTN makes the planet's most comprehensive line.

- **Ultra-Class™ lasts 8x longer than other setscrew mounted units**
 - Made with ball point setscrews resistant to loosening and rust-resisting black oxide inserts
 - Ultra-Class™ unit insert bearings resist corrosion
- **Sentinel Series™ has no maintenance cost**
 - Food-grade solid lubrication and standard caps eliminate need to relubricate
- Shaft sizes 12 mm to 140 mm



PF PAPER & FORESTRY

Spherical Roller Bearings

NTN'S VERY FIRST PRODUCT LINE, INDUSTRY LEADER FOR 100 YEARS

NTN's first bearing was an SRB. They are still designed and made in Japan and Western Europe.

- Load ratings 20% higher than competitive SRBs
- NTN and SNR make the world's broadest range of SRB products
- From 25 mm bore to 2,180 mm O.D.




Roller Bearing Units—SPW/SPAW

LESS DOWNTIME. MORE PROFITABILITY.

Robust design for the most extreme applications.

- **Longest lasting SN/SAF replacement in the industry**
 - Sturdy, one-piece ductile iron housing withstands shock and impact
- **4x faster installation vs SN/SAF**
 - Unitized bearing insert allows for easy replacement
- **Maintenance-free (no lubrication required)**
 - Sealed, phosphate-coated bearing for corrosion protection
- Shaft sizes from 50 mm to 140 mm





OG OIL & GAS



EM ELECTRIC MOTORS

Thrust Spherical Roller Bearings

THE WORLD'S HIGHEST STANDARD LOAD RATING

Delivers the world's highest standard high-load capacity and rotational accuracy.

- **Optimized internal bearing design increases the basic dynamic load rating by up to 70%**
- **Retainer design raises capacity and increases the permitted rotational speed by 20%**
- **Up to 6x longer life over conventional thrust spherical roller bearings**
- **From 60 mm bore to 870 mm O.D.**



Roller Bearing Units—SNC/SAFD

COMPETITORS' PREMIUM IS OUR STANDARD

Design offers the highest application flexibility and temperature range as standard.

- **Broadest temperature range**
 - Ductile iron housings operate at lower temperatures without fracture risk
- **Universal lubrication configuration**
- **Matched cap and base serialization prevents mixed installations across blocks**
- **Temperature and vibration monitoring**
 - Blocks are equipped for thermal or vibration monitoring
- **Shaft size from 50 mm to 400 mm**



ULTAGE®

Faster. Cooler. Stronger. Better.

NTN engineers never stop pushing the boundaries of performance. Case in point: Our new generation ULTAGE® series—addressing end users' needs for maximum possible output and durability in the most severe applications. These large-bore taper, cylindrical and spherical bearings are built to withstand the environmental risks that heavy-duty equipment demands.



NTN®