



**From pick to pack,
NTN has you covered.**



In the middle of the busy pack season, every minute of uptime matters. The last thing you need is for water and the harsh chemicals of your washdown process to corrode bearings, throwing your plant offline. That's why NTN bearings are designed to exceed industry standards by defending against corrosion through the use of specialized materials and lubrication. This allows your machines to keep working at maximum potential—so you can reap the rewards.



Get fresh replacements you can count on.

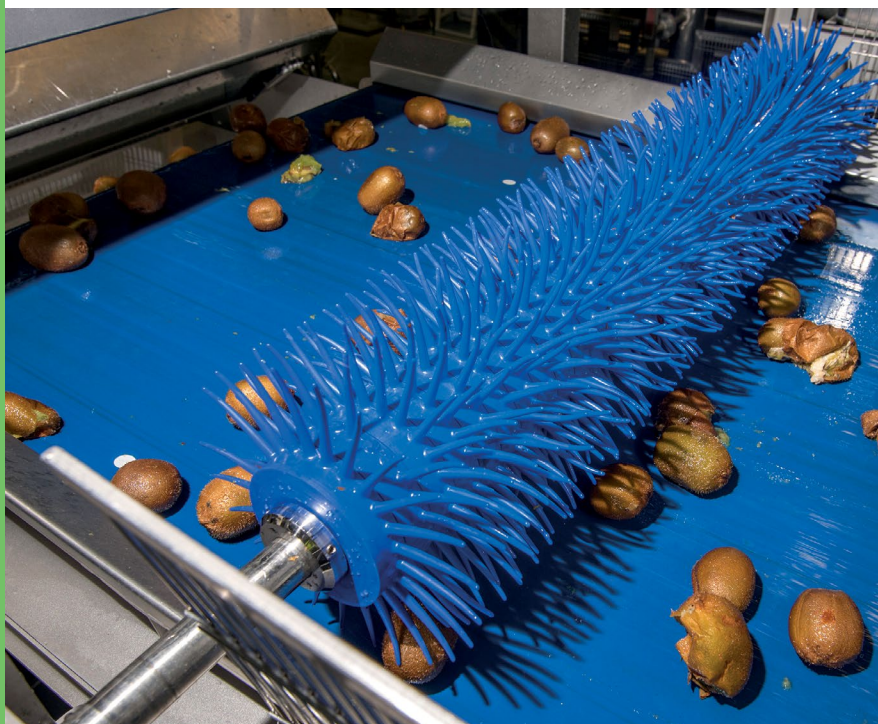
At NTN, our deep knowledge and extensive experience in this industry give us the know-how to bring you more reliable, long-lasting replacement solutions. Our products are also backed by hands-on support that includes everything from on-site training to assistance with product selection, installation, troubleshooting and more.

And anytime you need a quick replacement, our always-growing network and strong relationships with local distributors means you have easy access to the parts you need, 24/7. In most cases, you won't even have to go outside your preferred distributor—there's a good chance yours already has NTN products on the shelf.

THE NTN ADVANTAGE: SOLID LUBRICATION

Solid lubrication is a maintenance-free solution that eliminates greasing requirements and significantly improves life in harsh wash-down applications.

- **NSF H1** compliant
- **21X** the grease washout resistance
- **Zero** grease leakage
- **Zero** re-lubrication



Don't let downtime spoil your profit potential.



NTN keeps your production rolling from start to finish.

With radial and mounted bearings for everything from washing to packaging, NTN offers durable solutions for your entire production line—beginning to end. Plus, you get the added ease and confidence that come from working with the same manufacturer across all of the most important steps of your process.



PICKING



TIPPING

Where constant repetitive motion can wear down bearings at vital points, and food can be subjected to contamination from dripping oil.



WASHING

Where debris along with frequent washdowns and re-greasing can result in excess re-lubrication that leads to premature bearing failures



INSPECTION

Where conveyors must be kept in constant motion to avoid downtime and spoiled produce



NTN ULTRA-CLASS™

Mounted bearing units with NSF H1, food-grade grease or maintenance-free solid lube are the longest lasting bearings for your non-washdown applications like tipping, packaging and conveyors.

- Unique flinger design and elastomeric seal delivers longer-lasting performance
- Fully assembled units arrive factory sealed and pre-lubricated for easy installation
- Black-oxide coated inserts improve corrosion resistance to surfaces in contact with grease
- Exclusive ball-point setscrew provides 8x longer holding life



NTN CORROSION RESISTANT LINE

Bearing units with NSF H1, food-grade grease for all general applications that encounter corrosive wash-down like inspection conveyors.

- Housings available in stainless steel and thermoplastic
- Bearing inserts available in 100% stainless steel construction or with zinc coating
- Optional open and closed covers available for added protection



SIZING/SORTING

Where constant water flow
can lead to potential bearing
failures



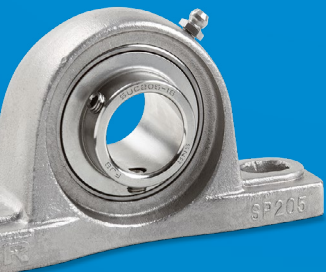
CUTTING

Where acidic juices speed up
bearing corrosion and lead to
costly line stoppages



NE

de grease designed
under water and
, cutting and



SETTING A NEW STANDARD: NTN SENTINEL® SERIES

With premium features like corrosion resistant materials, full-contact seals and solid lubricant, our latest line of maintenance-free bearings defend against your plant's harsh chemicals and wet environments. Available in both radial ball and mounted unit styles for a wide variety of applications.



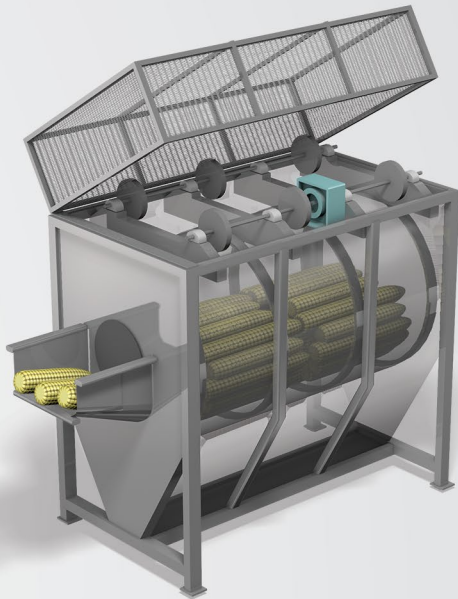
NTN SENTINEL

NTN's Sentinel M
Bearings (DGBB)
applications invol
corrosive environ
sorters, washers
and polishers.

- Food-grade solid lubricant eliminates maintenance wash-out
- Stainless steel in housing and stainless/thermo plastic housings in mounting to prevent corrosion from moisture and harsh chemicals
- All units come standard with bearing protection

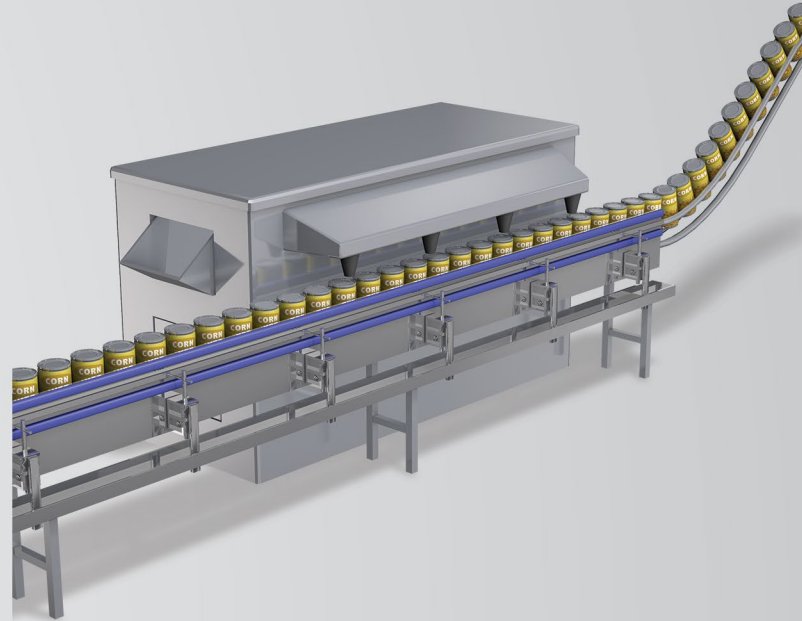
PEELING/POLISHING

Where an abundance of grit and high-pressure washing can lead to unexpected breakdowns due to contaminated or rusted bearings



PACKAGING

Where excess lubrication from frequent overgreasing can compromise food safety



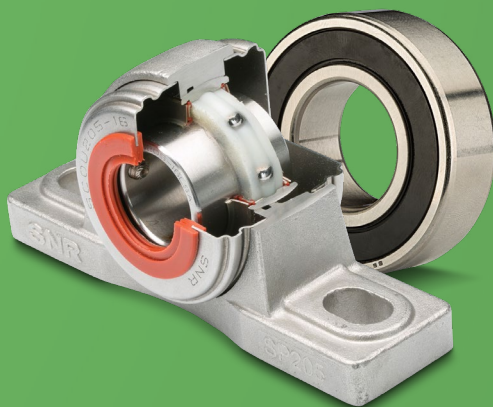
SNR® SERIES (RADIAL and MOUNTED)

Mounted Units and Deep Groove Ball Bearings are designed to last longer in the harshest environments like washers, peelers, and blenders.

and lubricants enhance, resist

inserts and plastic mounted units on from harsh cleaning agents

standard with covers to provide the most complete protection against contamination and maximize worker safety



CONVEYORS

Which you rely on to keep your produce moving throughout every step of your process



Beyond Bearings

Training. Installation support.
Troubleshooting. 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 instruction from NTN engineers at headquarters
(go.ntnamerica.com/trainingschool)



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
(bearingfinder.ntnamerica.com)



Let us produce for you.

For all your on-site service and support needs with proper product selection, installation training and troubleshooting/problem solving, contact your local NTN Sales Representative or call 1-800-323-2358.

For additional technical questions, email eng@ntnamerica.com.



FOOD & BEVERAGE



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