

TIMKEN

Stronger. By Design

- The Timken Company was established in the year 1899 with its headquarters in Canton, Ohio, USA.
- Timken Products have stood for quality for more than 120 years and have focussed on increasing reliability and efficiency through innovative solutions.
- Company holds the pride of being inventor of Tapered Roller bearings.
- Timken is present in 30 countries worldwide that shelters 54 manufacturing plant & technology centers and a large number of Distributors.
- In keeping with global standards, the first state-of-the-art manufacturing facility was set up in Jamshedpur in 1987.
- Timken India Limited (TIL) was incorporated in 1987 as Tata Timken Limited (TTL), a joint venture between Tata Iron and Steel Company (TISCO) and The Timken Company, a world leader in bearings. It commenced commercial production at its Jamshedpur plant in March 1992. The Timken Company is a world leader in tapered roller bearings.
- Timken facilities in India: Three Bearing manufacturing plants located in Jamshedpur, Bharuch and Chennai.
- One Industrial bearing repair service and refurbishment facility in Jamshedpur.

For more information visit :

<https://www.timken.com/en-in/>



Tapered Roller Bearings



Cylindrical Roller Bearings



Ball Bearings



Spherical Roller Bearings



**U Series Ball Bearing
Housed Units**



**Plummer Block
Housed Units**



**Split Cylindrical
Roller Bearing**



Lubricators

Authorized Distributors










Neo Techniques

an enterprise by engineers for engineers












ENGINEERED BEARING PRODUCTS

Timken® engineered bearings feature precision tolerances, proprietary internal geometries and quality materials. Our tapered, spherical, cylindrical, thrust, ball and housed unit bearings deliver strong consistent and reliable performance.

PRODUCT	SUMMARY	ADVANTAGE
CORROSION-RESISTANT DEEP GROOVE BALL BEARINGS 	Constructed with stainless steel rings, balls and cages, these corrosion-resistant materials and food-grade lubricant can help elevate food safety and production uptime with improved reliability	<ul style="list-style-type: none"> Resist corrosion and improve metal detectability Improve food safety with NSF H1-registered water-resistant grease for shielded and sealed bearings Versatile Timken® Solid Lube is a grease alternative for harsh environments Handle a wide range of operating temperatures with high-performance lubricants
SOLID LUBE 	Timken Solid Lube provides a lubricating alternative to grease in harsh environments. Solid Lube is a micro-porous polymer structure combined with high-performance oils and additives	<ul style="list-style-type: none"> Hygienic. Its unique makeup helps prevent lube from contaminating food products. Some Solid Lube grades have NSF H1 registration Protected. Full-fill and large-oil reservoirs help guard against washdown and ingress of contaminants for safe and reliable operation Cost-effective. Timken Solid Lube can help reduce your operating costs and increase operational productivity Versatile. With a wide range of Solid Lube solutions, we can match application requirements, including extreme temperatures or washdown environments
BALL BEARINGS 	Engineered to perform in a wide range of applications, from motors to gearboxes to all food processing equipment	<ul style="list-style-type: none"> Radial bearings tolerate relatively high-speed operation under various load conditions Angular contact designs can support both radial and axial loads The Timken® series ball bearings are fully interchangeable to competitor product
CYLINDRICAL ROLLER BEARINGS 	Comprehensive line of single-, double- and multi-row versions helps extend equipment life and lower maintenance costs	<ul style="list-style-type: none"> EMA high-performance series offers premium brass land-riding cages that reduce operating temperatures
THRUST BEARINGS 	Ideal for when axial loads meet high speeds, heavy loads or other challenging conditions	<ul style="list-style-type: none"> Get optimum performance with either standard or custom designs
SPHERICAL ROLLER BEARINGS 	Manage high radial loads with innovations that help extend bearing life and boost reliability	<ul style="list-style-type: none"> Run at consistently lower temperatures than same-size competitive bearings
TAPERED ROLLER BEARINGS 	Timken® tapered roller bearing components are precisely designed to manage both axial and radial loads	<ul style="list-style-type: none"> Increase power density with a smaller, lighter bearing





HOUSED UNITS (MOUNTED BEARINGS)

Stronger outside, smarter inside. Timken® housed units or mounted bearings deliver a single brand solution for consistency, control and confidence.

PRODUCT	SUMMARY	ADVANTAGE
HYGIENIC POLY-ROUND® PLAIN BEARING HOUSED UNITS 	USDA-accepted hygienic bearings made from high-performance polymers – greaseless, no rolling elements, corrosion-resistant designs are engineered to meet high food safety standards and improve reliability	<ul style="list-style-type: none"> • Eliminate lubrication time and expenses, reducing maintenance & downtime costs • Hygienic-design housings feature maximum cleanability and are reusable • Optically detectable blue polymer housings and metal detectable bearings are designed to help eliminate food contamination • Greaseless, hygienic designs promote food safety • One-year life guarantee • Interchangeable industry-standard mounted bearings from 12 mm to 50 mm or 3/4 in. to 2 in.
HYGIENIC BALL BEARING HOUSED UNITS 	Corrosion-resistant materials and food-grade lubricant help elevate food safety and improved production reliability. Protection against corrosion and a variety of wet and dry contaminants dramatically improves bearing life	<ul style="list-style-type: none"> • Interchangeable industry-standard mounted bearings from 12 mm to 50 mm or 3/4 in. to 2 in. • Solid lubrication option • Stainless steel ball bearing inserts with set screw • Housings available in polymer or stainless steel and all mounting styles • USDA-accepted housed units feature smooth surfaces and no bolt holes
POLYMER SOLID LUBRICANT 	An effective alternative to grease. This bearing eliminates over-greasing, wrong grease application or lack of grease	<ul style="list-style-type: none"> • Never requires relubrication • Consistently delivers the right amount of lubrication • Resists contamination • Stands up to harsh applications and washdowns • Dramatically improves cleanliness
FAFNIR® BALL BEARING HOUSED UNITS 	Multiple sealing and locking solutions support a wide range of demanding applications and conditions	<ul style="list-style-type: none"> • Provide advanced protection against contaminants, reducing costly wear and tear • Fafnir® robust block outperforms standard housed units in the most challenging applications and environments • Set screw solution (Shaft Guard Technology) eliminates shaft damage from set screws
U SERIES BALL BEARING HOUSED UNITS 	Five different housing designs plus replacement inserts come in extensive size ranges interchangeable in a variety of machines	<ul style="list-style-type: none"> • Two-piece sealing with contact lip seal and flinger for additional protection • Three effective locking styles
TYPE E TAPERED ROLLER BEARING HOUSED UNITS 	Manage high axial and radial loads and avoid contamination; unrivaled multi-point sealing solution design	<ul style="list-style-type: none"> • Triple-barrier seal for industry-leading protection against contamination • Secondary sealing system with open and closed end covers are available to improve grease retention and protect the bearing • Available with FDA-compliant coating for corrosion resistance and food safety
SNT/SAF PLUMMER (PILLOW) BLOCK HOUSED UNITS 	Fast installation with reliability in rugged environments; keep lubrication in and contamination out; cast steel, cast iron or ductile iron housing	<ul style="list-style-type: none"> • Easily convert from fixed to float configurations in the field • Split housing allows for removal of cap for easy assembly and bearing inspection
SPLIT CYLINDRICAL ROLLER BEARING HOUSED UNITS 	Reduce downtime in trapped applications; innovative split-to-the-shaft bearing; fast and simple replacement of bearing components	<ul style="list-style-type: none"> • Reduce inspection and replacement time dramatically • Increase operational life and reduce maintenance expense • Easily interchangeable with conventional or split units
HYGIENIC DESIGN HOUSINGS 	Smooth surface and blue polymer or machined stainless steel surface meet high hygienic design standard	<ul style="list-style-type: none"> • Blue optically detectable or stainless metal detectable housings • Easier and more efficient cleaning • Integral stand-off option for improved cleanability and easier implementation



MECHANICAL POWER TRANSMISSION

Our growing mechanical power transmission product portfolio can improve the reliability and efficiency of industrial equipment and machinery. Carlisle® belts, Drives® chain, Lovejoy®, EDT® bearings and Groeneveld lubrication systems and provide customers a variety of solutions to keep industry in motion.

PRODUCT	SUMMARY	ADVANTAGE
QUICK FLEX® COUPLINGS 	Easy to install and requiring no lubrication, their lifespan matches the rotating equipment to help lower overall cost of ownership	<ul style="list-style-type: none"> Transmit the same or higher torque than a gear, grid, chain or other elastomeric coupling with similar dimensions Insert is easy to replace without moving hubs – maintenance takes minutes Sized to fit virtually all needs, with multiple hub and shaft combinations for easy mounting
S-FLEX ENDURANCE COUPLINGS™ 	S-Flex Endurance couplings are excellent at protecting equipment in a wide variety of uniform-load applications	<ul style="list-style-type: none"> Ideal for pump and fan applications Easy to install and maintenance free Accommodates all types of shaft misalignment Dampens vibration and shock loads
LUBRICATORS 	Dispense precise amounts of lubricants in a wide range of applications and operating conditions, from simple, single-point needs to multi-point or progressive systems	<ul style="list-style-type: none"> Single-point lubricators tailored to specific environments and requirements
SEALS 	A variety of types and material options provide resistance to extreme temperatures, pressure, debris and most chemicals	<ul style="list-style-type: none"> Contact and non-contact designs suit any application Durable materials offer long seal life and minimize maintenance Secondary seals, covers and end caps provide extra protection

INDUSTRIAL SERVICES

Timken offers bearing and power system rebuild and repair services that can return components or entire systems to like-new. We overhaul drive train products, including switchgears, control panels, electric motors, generators, gear drives, bearings and couplings.

PRODUCT	SUMMARY	ADVANTAGE
TRAINING & CERTIFICATION 	On-site training, end-user maintenance seminars and bearing certification programs help your team select bearings and optimize system performance	<ul style="list-style-type: none"> Tailored training programs range from bearing basics to advanced best practices Certification programs help maintenance shops improve efficiency and performance
SERVICE ENGINEERING 	On-site engineers help solve challenges and prevent future problems using data, testing and technical resources	<ul style="list-style-type: none"> Get on-site problem solving, life cycle calculations, interface design options, bearing inspections and evaluations Find new ways to improve efficiency and productivity

Authorised Dealers



For more details please contact :



Neo Techniques

an enterprise by engineers for engineers

12-13-402, 'Sri Raghavendra Nilayam', Street No. 1, Tarnaka, Secunderabad - 500 017, Telangana, India
Telefax : 040-27002984 / 27002983, 9010664777 • E-mail : neotechniques66@gmail.com • Website : www.neotechnique.in