



**Knowell
International**

Service Without Compromise



| Company Profile

| Our Brand Partners

NACHI
NACHI TECHNOLOGY INC.

FYH

KHK
BEARINGS

IJK

NMB

SAMICK



ISC
MINIATURE BALL BEARINGS

| Industries We Serve



AUTOMOTIVE



AGRICULTURE



ENERGY



MINING



TEXTILE



FANS



PAPER



RAILWAYS



MACHINE
TOOLS



CONSTRUCTION



STEEL



BLOWERS



PACKAGING



ELECTRIC
MOTOR

| About Us

Established in 1984 by Mr. Jatin Shah, Knowell International Private Limited is a Kolkata-based bearing distribution company. With over 35 years of experience in the industry, Knowell has consistently grown to be recognized as one of the largest bearing distributors in India. The company's strategic philosophy is to provide high quality products at very competitive prices, in addition to on-time delivery and personalized customer service. Our range of brands, that are carefully curated based on dependable quality standards and continuous innovation, enable us to cater to a wide range of industrial applications from Agriculture and Automotive to Steel and Mining. Knowell has strong relationships with various accredited national and international brands such as FYH, Nachi, KHK, Samick, NMB, IJK, ISC and RHB in India. Our breadth and depth of product lines, along with our large inventory, provide support to our customers through cost efficiencies, low downtime on-site and high operative effectiveness.

At Knowell, we strongly adhere to our motto: "Service without Compromise". We strive to build long-lasting relationships with our customers by providing them with continual technical support and creative solutions. To meet the demand across India, we work through our extensive network of over 60 authorized bearing distributors, whose industrial and regional knowledge and expertise ensures that our customers are provided with the best hands-on service possible. Additionally, the company has its own team of experienced sales engineers and marketing professionals that are available to provide constant support to our customers.

Knowell's focus is to continually provide innovative solutions to customers, to sustainably grow a stronger distribution network in India that can cater to different industries and to constantly grow our technical expertise to understand and service our customers better. We are always looking to learn, adapt to change and improve wherever we can.

| Why work with Knowell?

Wide Distribution Network

Our network of over 60 authorized bearing distributors has extensive industrial and regional knowledge and expertise that ensures that our customers are provided with the best hands-on service possible.

Extensive Inventory with 100% Quality Assurance

Our inventory management takes into consideration current and future industry trends to ensure customer requirements are met promptly and their future requirements are managed efficiently.

Strong and Motivated Team

Our experienced management and skilled employees are fully dedicated to providing high quality genuine products, on-time delivery, and customized solutions on top of cost benefits to all our customers.

| Our Network

A network of over 60 distribution partners across India

With our network of over 60 reputable dealers spread across the country, we deliver the best global bearing brands just when you need them!

| Extensive reach

Over the years, Knowell has partnered with different distributors to reach customers across different regions and sectors in India. Our distributors are not only present in major cities like Mumbai, Delhi, Ahmedabad, Chennai, Bangalore, Hyderabad but also in industrial hubs and towns in every state to ensure that we can provide each customer with customized solutions and 'Service without Compromise'.

| Personable Experience

Our distributors have decades of experience within the bearing industry, have strong regional knowledge and are equipped to handle any customer query regarding our brands. We provide our distributors with technical, inventory and marketing related support to cultivate the best service for all customers.



**Knowell
International**

| Meet the Management



Jatin Shah

Chief Executive Officer

Mr. Jatin Shah is the Founder and Chief Executive Officer of Knowell International. With nearly 40 years of experience within the industry, he has been instrumental in growing Knowell from its humble beginnings to what it is today. Over these years, he has encompassed extensive technical knowledge and expertise across industries, which has enabled us to provide our customers with the best service and product solutions possible. His customer centric approach, dynamic leadership and relentless commitment to his work has been inspiring for not only our employees but also many of our suppliers and distribution partners.



Naman Patel

Director (Sales)

Mr. Naman Patel has been working with Knowell International since 2021 and overlooks our business development and sales departments across all regions in India. With a degree in Economics, experience in investment banking with Credit Suisse and a successful start-up related to industrial waste recycling under his belt, Mr. Patel brings a fresh technical perspective to the team. His ability to effectively guide customers, commitment to finding reliable solutions and fearless growth mindset has been a big asset to our company in upholding our future direction.



Kinni Shah

Director

Ms. Kinni Shah was appointed Director of Knowell International in 2019 and has been crucial member of the company since 2016. She started her career working as an investment banker with Credit Suisse and holds a Masters of Business Administration degree from NYU Stern School of Business and a Masters in Finance degree from Washington University in St. Louis. The business acumen and skillset she has accumulated over the years, along with her technology-driven mindset and her strong focus on quality control positions her well to build upon Knowell's strong foundation and take it to the next level.



Nachi-Fujikoshi was founded in Toyama City in 1928. Their bearings business started out by using superior materials made by the company and by applying expertise in cutting and heat treatment acquired from their experience with cutting-tool manufacturing. As a result, they provide you with high-speed and high-precision bearings that are durable and compact. Their multifaceted operations and innovative technologies enable them to provide a wide range of solutions to customers in the field of automotive, industrial machinery, energy and infrastructure. Everywhere, Nachi-Fujikoshi bearings contribute to better reliability.

| Product Range

DEEP GROOVE BALL BEARINGS
ANGULAR CONTACT BALL BEARINGS
CYLINDRICAL ROLLER BEARINGS
SPHERICAL ROLLER BEARINGS
SPHERICAL ROLLER THRUST BEARINGS
BALL SCREW SUPPORT BEARINGS
PRECISION MACHINE TOOLS BEARINGS
SHEAVE BEARINGS
TAPERED ROLLER BEARINGS

Industrial Applications |

AUTOMOTIVES
TRANSMISSIONS
MACHINE TOOLS
INDUSTRIAL ELECTRICALS
GEARBOXES
INDUSTRIAL AUTOMATION
HEAVY INDUSTRIES
PRINTING MACHINE
PAPER MILL
CNC MACHINES



Knowell
International

AUTOMOTIVES



Deep groove ball bearings

For motor units



Thin width ball bearings

For motor units



Double row angular ball bearings

For automobile air conditioners resistant to high speeds and high temperatures

INDUSTRIAL MACHINES



Spherical roller bearings

Boasts the world's highest load capacity and service life.



Precision bearings

Enhances precision and performance in the Machine Tools Industry



TAB and TAF-X Series

High load capacity ball screw support bearing

CONSTANT VELOCITY JOINT DIFFERENTIAL



Roller bearings

For constant velocity joints, high-performance bearings for superb operability, comfort and safety in automobile driving.



Double-row four-point Contact ball bearings

The double-row gothic arch raceways ensure rigidity

TRANSMISSIONS



MT21 steel bearings for transmissions

RAILROADS



Bearings for Wheels

STEERING



Four-point contact ball bearings BX series





Founded in 1950, FYH is the oldest and leading manufacturer of Pillow Block Units in Japan, including spherical roller bearing units, that are currently used by companies across the globe. The tolerances for the bearings they produce are more stringent than the standards of Japan industrial standards, and the FYH brand bearings can be fully responsive to demanding operating conditions such as high-speed rotations, dusty or high contaminant environments and high load situations. They produce around 700 kinds of standard bearings and 300 housings. As a specialized manufacturer, they create Pillow Blocks that can withstand the severe environment such as heat resistance, corrosion and dust-proof and are compact light weight in nature. They also produce various special units such as stainless steel series and ceramic series.

| Industrial Applications



BALL BEARING UNITS

High Load Capacity and Accuracy

Internal structure designed to bear significant load capacity and operate at a wide range of speeds

Superior Sealing Performance

Operate extremely well in high temperature and contaminant environments and prevent dust or water from entering

Easy Installation and Handling

Interchangeable with models and can be bolted to machinery without any modifications



STAINLESS STEEL UNITS

The flatter surface ensures there is no place for water to pool after wash-down.

The smooth housing and solid base reduce the risk of bacterial growth. The stainless units accept both stainless and plastic covers.



SPHERICAL ROLLER BEARINGS UNITS

Z-lock

As the world's first 360-degree locking system, the all-new patented Z-lock system is the fastest and easiest locking system

Lubrication

FYH Roller Grease has excellent low temperature performance and provides extreme pressure and anti-tear protection.

Triple Lip Seal

A new patented seal design that protects the bearing from a variety of wet and dry contaminants.



DUST RESISTANT SERIES

The FYH Dust Resistant Units consist of a variety of supplemental sealing options that function extremely well in the exclusion of foreign matter.

From food processing and agricultural to wash-down and mining and aggregate, the FYH Dust Resistant Units can stand up to the toughest contamination challenges.





FYH Spherical Roller Units

More than sixty-five years of experience and innovation in the field of mounted ball bearing units have led to the development of mounted spherical roller units that cater to a wide range of applications and industries. Bearing and housing production are accomplished entirely by FYH while utilizing only the highest quality materials available. Through meticulous design enhancements and careful material selection, this heavy-duty mounted roller series attains the designation of "EXTRA TOUGH".

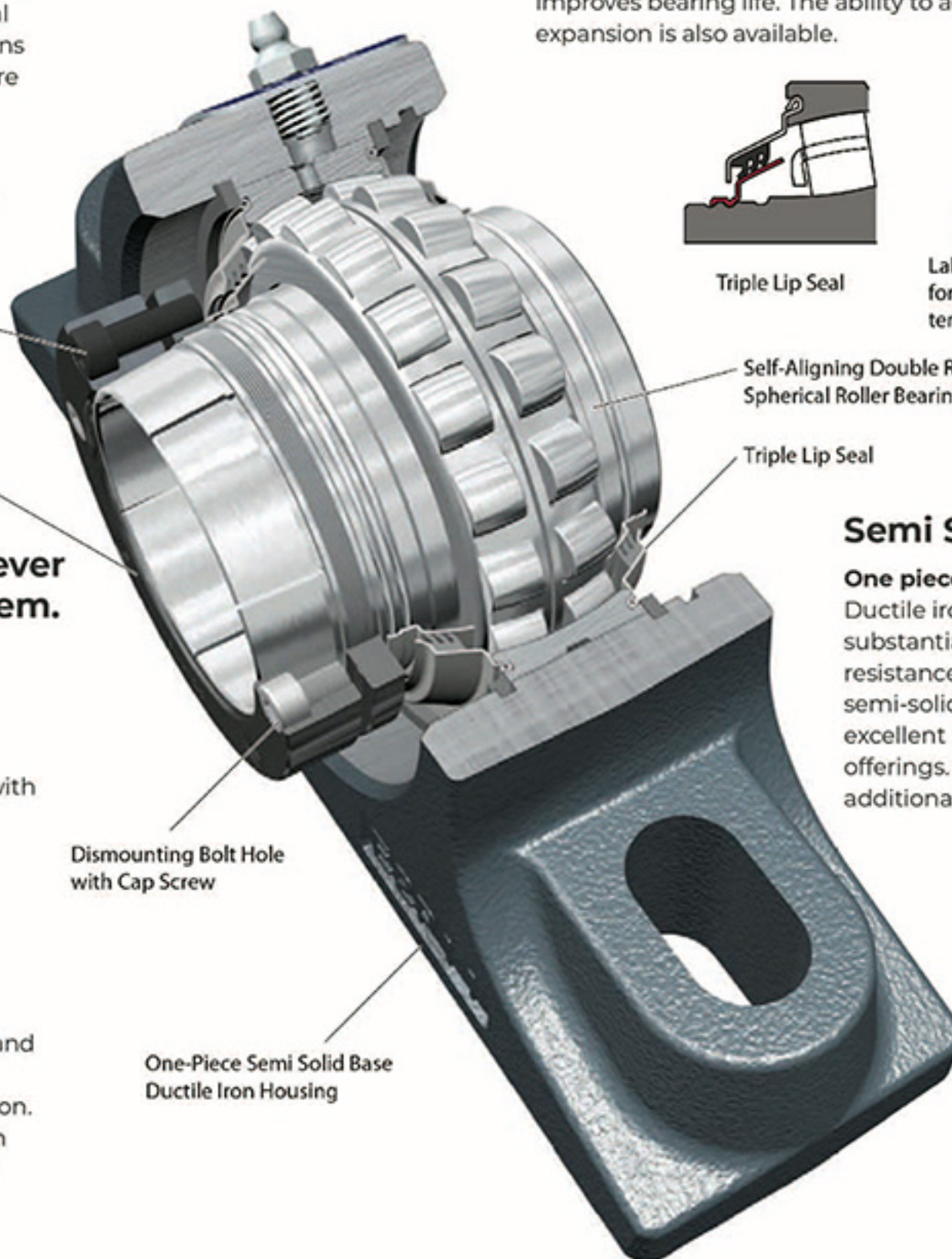


The patented Z lock is the first ever tapered bore locking collar system.

Just tighten the cap screws properly and the specialized tapered bore collar provides extreme holding power on the shaft without causing any damage. This is a true 360-degree locking mechanism. Disassembly is easily accomplished with two threaded holes in the collar for standard withdrawal dismounting.

Lubrication

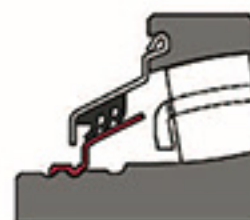
FYH Roller Grease is a calcium sulfonate complex thickened lubricating grease formulated in 100% synthetic hydrocarbon base oil. FYH Roller Grease has excellent low temperature and high temperature performance, and it provides excellent extreme pressure and anti-wear protection. FYH Roller Grease also provides excellent corrosion protection and water wash-out resistance. Grease temperature range: -40° to 340° F (-40° to 170° C)



Triple Lip Seal

±2° Self aligning capability

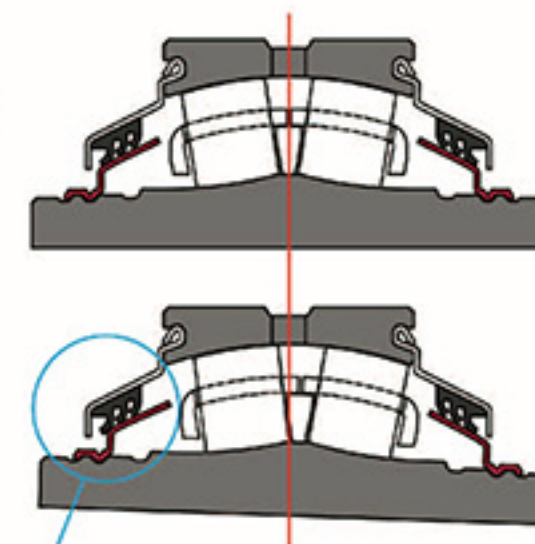
The triple lip seal maintains positive contact with a special sealing ring at virtually any angle of shaft misalignment. Our new patented sealing design protects the bearing against a variety of wet and dry contaminants and dramatically improves bearing life. The ability to accommodate shaft expansion is also available.



Triple Lip Seal



Labyrinth non-contact Seal for higher speeds & high temperature applications



Positive seal contact is maintained during mis-alignment at any angle.

Semi Solid Base

One piece ductile iron housings

Ductile iron housings offer substantially better fracture resistance than cast iron, and the semi-solid base design provides an excellent mounting foundation and superior rigidity over competitive offerings. The standard housing material from FYH is ductile iron, and additional material options may also be available.

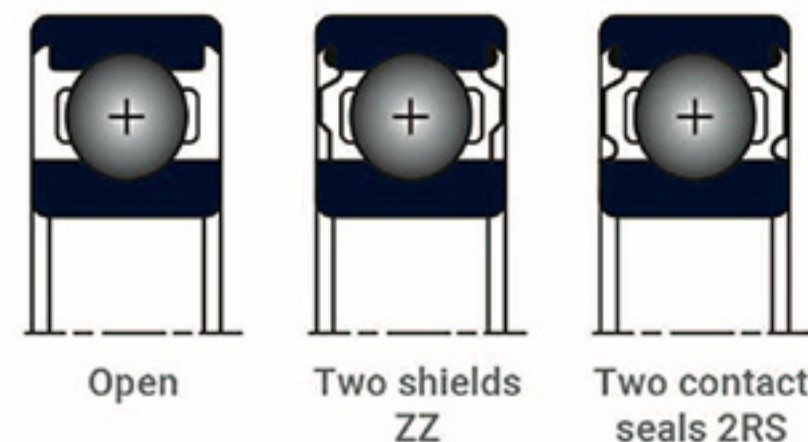


Convertible from non-expansion to expansion

By simply moving a snap ring on the back of the unit the bearing can easily be converted from non-expansion to expansion or vice versa.

This procedure can be easily performed in the field even after the unit has been mounted.

FYH



| Deep Groove Ball Bearings

SPECIFICATIONS

- Motor grade
- Premium Grease for High Performances
- Less Noise for Electric Motor

INTERCHANGE

- FYH follow ISO/JIS Standards and are dimensionally interchangeable with Competitors DGBB products.

APPLICATIONS

- Motorcycle
- Automotive
- Conveyor system
- Household Appliances

- Agriculture Machinery
- Construction Machinery
- Motor
- Food and Beverage

| DGBB Product Range

RANGE	SERIES	BORE RANGE mm	O.D RANGE mm
▼	▼	▼	▼
Standard	6000 - 6018 6200 - 6218 6300 - 6316	10 - 90 10 - 90 10 - 80	26 - 140 30 - 160 35 - 170
Thin Section	6800 - 6810 6900 - 6910	10 - 50 10 - 50	19 - 65 22 - 72
Miniature	607 - 608 624 - 629		



KHK is a China-based leading bearings manufacturer that specializes in producing high RPM and low noise spherical outside surface bearing units, insert bearings, spherical plain bearings, non-standard bearings and gray casting bearing housing. With more than 23 series (over 3000 different items), KHK's wide production range is created using advanced technology to ensure high quality at sustainable prices. KHK Products are ISO 9001:2000 approved and work in technical collaboration with IBI Germany.

Product Range |

BEARING UNITS
LINEAR MOTION BEARINGS
SPHERICAL BUSHINGS
ONE-WAY CLUTCH BEARINGS
ROD ENDS
ROLLER FOLLOWERS
NEEDLE ROLLER BEARINGS
NEEDLE ROLLER THRUST BEARINGS
NEEDLE ROLLER BEARINGS WITH INNER RINGS
NEEDLE BUSHES WITH OIL HOLE
NEEDLE ROLLER WITH ANGULAR CONTACT
THRUST BEARINGS
FLUTTED ROLLER BEARINGS

| Applications

AGRICULTURE
CONSTRUCTION
FOOD & BEVERAGE
GENERAL MACHINES
POWER TRANSMISSION
TEXTILE
MATERIAL HANDLING
VENTILATION SYSTEMS
PACKAGING AND PAPERS

LINEAR MOTION BEARINGS ▼



▲ ROD ENDS

▼ SPHERICAL PLAIN BEARINGS



▲ ONE-WAY CLUTCH BEARINGS



▲ NEEDLE ROLLER BEARINGS

| Bearing Units

▼ FLANGE BEARING UNITS



▼ PILLOW BLOCK UNITS



▲ THERMO PLASTIC SERIES



BEARING INSERTS ▲



STAINLESS STEEL SERIES ▲



High-precision small-sized and specialized bearings

Inoue Jikuuko Kogyo (IJK) is a Japan-based leading manufacturer of high-precision specialised bearings that are created using advanced product designs, cutting-edge production technologies and latest facilities. Since its inception in 1938, IJK's focus has been on developing and manufacturing high-precision and specialized products that cannot be produced by any other companies to meet the changing times and varying needs of customers.

| Three strengths of IJK

Manufacturing

Based on the spirit of 'monozukuri' (A synthesis of technological prowess, know-how and spirit of Japan's manufacturing practices) to satisfy customers, IJK transforms customers' needs into products by utilizing its accumulated expertise

High Precision

Production of high-precision and high-quality products using sophisticated technologies accumulated since its foundation

Niche

Production of specialized bearings for specific uses or for purposes with a short delivery time

| Product Range

DOUBLE ROW BALL BEARINGS
FELT SEAL BALL BEARINGS
SELF-ALIGNING BALL BEARINGS
SUPER PRECISION BALL BEARINGS
DEEP GROOVE BALL BEARINGS
LARGE BORE, EXTRA THIN BEARINGS
MAGNETO BEARINGS
STEERING BEARINGS



Knowell
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| SoLub® Bearings

SoLub® Bearings are ball bearings in which special molded grease is filled in the stainless steel inner rings, outer rings, balls, and cage.

Applications

Various cleaning equipment, food processing machinery, various conveyor lines, etc.

Benefits

SoLub® Bearings are suitable for atmospheric corrosive environment, dust environment and water splash environment.

Features

1. Continuous grease supply with Molded Grease.
2. Grease-free and no need for refuelling, so the operating environment will not be polluted with oil.
3. Longer life than normal grease lubricated bearings in water and dust environments.
4. Selectable seal types according to the environment.



| Highly Corrosion-Resistant Resin Ball Bearings

Outer/Inner rings and retainer made of special fluorexin, this type of bearing can be used in a wide range of fields in water, alkaline, and strong acid environments.

Applications

Semiconductor cleaning equipment, Plating equipment, Food machinery.

Benefits

1. Excellent corrosion resistance.
2. Lubricant-free.
3. Light weight

Characteristics

1. High corrosion resistance level equal to that of ceramic bearings.
2. Long life in acid solution. More than five times longer than that of commercially supplied.
3. Thanks to the resin's self-lubricating property, these bearings do not require any lubricant such as grease or oil.



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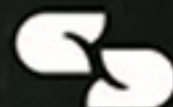
Established in 1968, NMB (Part of Minebea Mitsumi INC) is the world's largest manufacturer of miniature and instrument ball bearings in the world and has a global market share in excess of 60%. Building on expertise amassed over 50 years, Minebea has developed high-precision machining equipment, sophisticated maintenance technologies and efficient plant-line layouts, enabling it to produce all parts for its bearings in-house and to aim constantly for higher levels of precision. These bearings are mainly at work in information and telecommunications equipment, household electrical appliances and motors for electric control systems of automobiles.

Minebea manufactures more than 8,500 different types of miniature and small-sized ball bearings along with fluid dynamic bearings, for which demand is expected to soar in the future. This positions them well to respond to demand for a broad range of state-of-the-art small bearings for high-precision motors and other applications.



| Applications

PERSONAL COMPUTERS
AIR CONDITIONERS
TELECOMMUNICATION
AUTOMOTIVE COMPONENTS
PRINTERS
ATM
ROBOTICS
VIDEO CAMERAS
COPY MACHINES



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The SAMICK Precision Ind. Co., Ltd is a leading Korean enterprise that manufactures factory automation related products with a specialty in producing high-performance Linear Motion Ball Bushings at competitive prices. The company's design allows only minimum friction between the precision bearing balls and shaft, thus providing smooth movement with high accuracy. From the machine parts industry to industrial robots, they follow a symbiotic approach where humanity and technology are together.

Samick Linear Bushings are widely used in General Industrial Machines, Computers and their Peripheral Equipment, Precision Measuring Equipment, Automation and Robotics, Textile Machinery, Printing Machinery, etc.

| Product Range



ADJUSTABLE TYPE
LINEAR BUSHING



ALUMINIUM CASE
UNIT



CIRCULAR FLANGE
TYPE LINEAR BUSHING



SQUARE TYPE
LINEAR BUSHING



OPEN TYPE LINEAR
BUSHING



OVAL FLANGE TYPE
LINEAR BUSHING

| Special Products

COMPACT LINEAR BUSHING

SELF-ALIGNING LINEAR BUSHING

SHAFT SUPPORT

SQUARE FLANGE TYPE LINEAR BUSHING



Knowell
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RHB Precision Machinery Co. Ltd. is a China-based bearing and auto spare parts manufacturing company. The company believes in the philosophy of providing each customer with fast and dependable service through its experienced personnel. They also invest heavily in research and development to ensure that all their products are designed and made as per the latest international trends.

Further, their manufacturing plants are equipped with sophisticated equipment and measuring instruments to provide customers with the best-suited product. All of RHB's manufacturing plants are either ISO 9001:2000, VDA 9.1, QS9000 or TS19649 certified. RHB's speciality products are their pillow block and plummer block units due to their sturdy design, long-lasting capabilities and economical price point.



Industrial applications |

AUTOMOBILES
AGRICULTURE
CONVEYOR SYSTEMS
MATERIAL HANDLING
PACKAGING
PAPER
TEXTILE



Established in 1949, ISC Miniature Ball Bearings are manufactured by NSK Micro Precision Co. Ltd. Miniature ball bearings have become essential components in the rotating elements of various instruments and machines. ISC produces a wide variety of products with small size, lightweight, high speed, low torque, low noise and long durability to cope with the required applications. ISC has also manufactured the world's smallest radial deep groove ball bearing.

ISC manufactures hundreds of kinds of miniature bearings, including specialized types, from extremely small bearings with a 1.0mm bore diameter and a 3.0mm outer diameter to bearings that are about 20mm in outer diameter.

| Industrial applications

DENTAL HAND-PIECES

AUTOMOBILES

HOME APPLIANCES

CONVEYING EQUIPMENT

MEDICAL EQUIPMENT

MACHINE TOOLS



Knowell
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**Knowell
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Service Without Compromise



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