

Customized solutions for the highest demands

SKT
Schwarzwälder
Kugel- & Rollentechnik

Working for you

We develop and produce a diverse range of rollers, assemblies & complete carriage units and steel balls of the highest precision made from a wide variety of materials. With our versatile production possibilities, we are one of the world's leading manufacturers of customized solutions in the field of roller technology.

45
Years of experience

300+
Customers

25+
Counties

95
Employees



A family business
With a medium-sized corporate culture, international orientation, a high level of communication, and a strong team spirit, we have been in the market since 1980 and have decades of experience.
We are continuously continuing our success story with a modern machinery fleet and motivated employees at two locations.

Our Strengths
Through a strong customer focus, personalized consulting, and the highest levels of expertise in materials and manufacturing technology, we implement customized solutions for your requirements. Ensuring the high and constantly quality of our products and services is one of our top corporate goals.

Your added value
SKT manufactures a special product tailored to the customer's needs and intended use. We ideally see ourselves as your reliable partner from the initial design to series production, but we are also able to manufacture products based on your drawings.

Future-oriented
Thanks to our experience, strong innovative power, expertise and flexibility, we can respond quickly and effectively to new and changing market requirements. Our machinery allows us to transform new challenges into chances together with our customers. The continuous testing of new materials and processes is a high priority for our company.

"What created our success yesterday shapes our actions today and our future tomorrow."

Everything from a single source:
The unbeatable combination of manufacturing, trading, and development

SKT's decisive advantage lies in the unique combination of **in-house manufacturing, international trading, and powerful development expertise.** This combination creates synergies that offer our customers genuine competitive advantages.
The result: **faster innovation, maximum flexibility, cost-effective solutions, and reliable delivery capabilities.** SKT combines technical know-how with operational strength, creating added value that goes far beyond mere product delivery.

SKT is a medium-sized company:
Greater speed – greater expertise – greater success

What sets us apart? We think in terms of solutions, not just in structures. By combining our unique capabilities with the advantages of a medium-sized corporate culture, we create a genuine competitive edge for our customers. At SKT, ideas aren't bogged down in lengthy discussions; instead, thanks to a flat hierarchy and short lines of communication, they are **rapidly developed, tested, and brought to production readiness.**

Sustainability:
Responsibility with foresight

For us, sustainability is not a trend but an integral part of how we operate. By **managing resources responsibly, adhering to ESG principles, and upholding clear ethical values**, we lay the foundation for long-term success, the highest quality, and future-oriented partnerships with our customers.

Andreas Schwarzwälder
Managing Director, SKT

About us

“Every success has a story. Ours began yesterday, is being lived today, and will continue to be written tomorrow.”

1979
Founding

Company foundation ball bearing production

Roland Schneider and Helmut Schwarzwälder decide to start and push ahead with the manufacturing of ball bearings.



1980
Creation of a building

Tennenbronn ball bearing factory

Foundation of the separate ball-bearing plant in Tennenbronn. The company – now named Schneider Schreibgeräte Plant No. 2 – moves into the newly erected building with 3,200 m² floor space.



1986
Factory expansion

Tennenbronn expansion

Extension of plant by 1,000 m² to 4,200 m².

1990
Finacial spin off

Founding of SKT Schneider and Schwarzwälder Kugeltechnik

Financial spin-off of the plant for writing instruments leads to SKT Schneider Kugellagertechnik – the ball-bearing technology company. Schwarzwälder Kugeltechnik is founded in the same year – this enterprise specializes in producing and distributing balls of highest precision. The existing building in Schramberg – Tennenbronn is enlarged to 7,500 m².



1991
Plant establishment

Founding of the Apolda plant

To be able to meet the ever-expanding demand, a further plant is established in Apolda (Federal Land of Thuringia) with 2,600 m² floor space.



1998
Factory expansion

Extension Apolda

Extension of plant in Apolda by 2,600 m² to now 3,300 m².

2004
Merging

Merger to SKT Schwarzwälder Kugel & Rollentechnik

The merging of Schwarzwälder Kugeltechnik and SKT Schneider Kugellagertechnik results in the new company SKT Schwarzwälder Kugel & Rollentechnik GmbH & Co. KG. Ever since, the company has been managed by both acting partners Helmut and Andreas Schwarzwälder.

2009
Restructuring

Strategic realignment for sustainable growth

Decision to restructure SKT. Targeted purchasing from external providers in addition to in-house production will assure the company’s persistence when facing international competition. This, in future, will allow us to implement balanced risk management.

2016
Company anniversary

25 years of production plant Apolda & Schwarzwälder Kugeltechnik

25th anniversary of the establishment of the Apolda production site. Schwarzwälder Kugeltechnik was also founded 25 years ago and merged in 2004 with the ball bearing plant.

2017
New department

Plastic turning department

Foundation of the new plastic turning shop at the site Schramberg – Tennenbronn.

2020
Generational shift

Helmut Schwarzwälder hands over to his son Andreas

Helmut Schwarzwälder leaves the operational business. He will continue to be available to his son, Andreas Schwarzwälder, in an advisory capacity.



2022
Trading

Trading business

To complement the company’s existing focus, Managing Director Andreas Schwarzwälder decided to specifically push the trading business. This will give the company additional flexibility and strengthen its market position.

Today
Further development

Continuous development for a strong future

Due to the constant challenges on the market, we keep on adjusting and improving in all areas of our company, thus ensuring that we keep up with the times and progress even further while remaining a stable and efficient partner for our customers.

Manufacturing & Development

With our comprehensive expertise in development, design, prototyping, and manufacturing, we offer our customers the highest level of flexibility and innovative strength. We support projects holistically — from the initial idea to a production-ready solution — delivering results that are both economically efficient and sustainable. Our extensive capabilities enable the creation of customized solutions that excel technically and succeed in the market.

Development & Design

Every successful manufacturing process begins with well-conceived development and precise design. We support our customers right from this early stage, drawing on our extensive experience and comprehensive technical expertise. To complement this, we conduct **specific lifetime and static tests as needed, realistically simulating both dynamic and static loads.** We also employ additional testing procedures—such as salt spray tests—to validate and optimize product development. Using state-of-the-art **CAD systems**, we design not only the products themselves but also the necessary accessories and production equipment required for efficient, precise manufacturing. In this way, we ensure consistent quality, short development times, and tailored solutions—from the initial concept to full-scale production readiness.

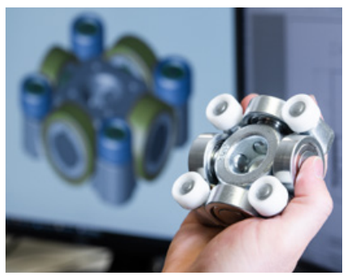


Prototyping

In practice, our specialty products must meet a wide range of demanding requirements. We therefore consider the ability to provide samples to our customers an essential part of our service offering.

As early as this stage, we draw upon the extensive experience of our development, quality assurance, and serial production departments. This ensures **that our prototypes already meet the high standards required for subsequent serial production.**









Steel turning & Grinding

We ensure quality on modern automatic lathes. If required, post-processing can be carried out here by means of various grinding operations. Thanks to our wide range of options, we can produce geometries and dimensions that meet special customer requirements.

Plastic injection molding

For plastic injection molding, we rely on state-of-the-art machinery with clamping forces between 25 and 150 tons. We can also use our fully automated feeding technology if required. To ensure optimal prices for our customers, our soft rollers are always manufactured by injection molding on our own production line.

Plastic turning

We have access to a modern machine park, including a bar loading system for various diameter ranges. To ensure the highest precision for injection-molded, plastic-sheathed ball bearings, they are overturned in a second operation. This takes place on specially developed automatic lathes with a fully automatic feeding system.

Production of cold headed parts

Cold headed bolts are suitable for high quantities. In this case, we are able to produce rivet or screw bolts for our sliding rollers or for ball bearings on machines of two different sizes. The choice of the machine size depends on the size of the bolt as well as the degree of forming.

Ball production

We can ensure our performance with specially developed machines and feed concepts, which offer optimal production batch sizes and thus the economical production of SKT steel balls. Due to the individuality of our machines, we are able to produce even small quantities for our customers.

Assembly

In our final assembly department, we have a wide range of assembly technology options. We have integrated almost all operations, such as ball bearing assembly, lubrication, dust cover assembly, rivet bolt assembly, and the final assembly of soft rollers and slide bearings, into fully automated assembly processes. We also offer manual assembly for small and/or complex operations with qualified staff members and modern assembly tools.

Quality assurance

Already during the production processes, we use the experience of our QA department as well as state-of-the-art measuring instruments, which we use to the profit of our customers. In addition to classic and mechanical measuring equipment, we also exploit most sophisticated measuring instruments to attain results through complex measurement supported by cameras or computers.

Special machine building & Servicing

In order to be able to react quickly and flexibly to the requirements of our production units, we have set up our own special-purpose engineering and maintenance & repair departments. Whether electrotechnical, mechatronic or purely mechanical requirements are expected, our highly qualified staff is able to remedy disruptions in the production departments quickly and without significant losses. We even design and build a large part of our equipment for our manufacturing on our own.





Products

We offer our customers a diverse range of rollers and assemblies with customized dimensions, contours, materials, and quality levels, as well as steel balls made of the highest precision from a wide variety of materials. We also offer standard deep groove ball bearings to complete our range.

In the field of roller technology, we manufacture in diameters ranging from 3 mm to approximately 100 mm. Our range of steel balls includes ball sizes from 0.500 mm to 15.000 mm in diameter.



Rollers

We offer customized solutions characterized by maximum running comfort, long lifetime, and exceptional load capacity. Our product variants: **Plastic-sheathed ball bearings, Steel ball bearings, Soft rollers, Plastic turned parts, Bearings for wet areas, Slide bearings.**



Assemblies & Carriage units

Our assemblies and complete carriage units can be customized with soft rollers, ball bearings, or slide bearings.



Steel balls

At SKT Schwarzwälder Kugel- und Rollentechnik, you'll find custom-made steel balls that redefine precision and quality in industry.



Deep groove ball bearings - DIN 625

We supply various types and series of deep groove ball bearings according to DIN 625. These ensure the highest precision and flawless operation throughout their entire lifetime.

Materials



Plastics

Here we have a variety of granulated materials at our disposal for injection molding and semi-finished products for the machining process. Each of our plastic materials has specific characteristics that can be used depending on the application profile of the customer.



Steel

The selection of materials depends on the product to be manufactured, on load, quality level, as well as on basic conditions stipulated by the customer. We process these materials exploiting different manufacturing processes such as machining, grinding, or cold forming. In order to conform to RoHS or REACH directives, we also offer lead-free versions.

In order to achieve suitable technical solutions for customer-specific applications, we process a wide variety of materials. We continuously invest significant time and effort in the development and testing of new, high-performance materials. This enables us to consistently offer our markets innovative and state-of-the-art material solutions.
We are always open to our customers' suggestions and requests. Please feel free to contact our sales department.



Lubricants

To reduce friction, avoid corrosion and achieve optimum lifetime, we use a wide range of high-performance lubricants for the efficient use of roller and slide bearings.
We are quite flexible in this respect and can respond to distinct applications such as smooth running, food safety, resistance to temperature, water or steam, and many others.
Basically, our lubricants are characterized by good wear and corrosion protection, thermal stability as well as high compatibility with regard to a vast variety of materials.



Finishing

Different surface coatings are presented for the requirements as to corrosion resistance. A further advantage of some of the coatings is a reduction in friction,
which achieves a significant improvement in sliding properties and lifetime when using slide bearings.
In general, it is possible to provide these as chromium-VI-free variants and in numerous layer thicknesses.

Our Responsibility

Ensuring product quality and acting sustainably are integral to our approach.

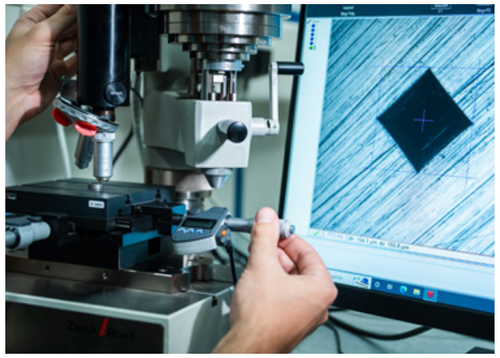
Quality

Our daily objective is to live up to the high level of trust our customers place in us. Quality and reliability are our top priorities and an integral part of our corporate goals.

Even during production, we record and document all relevant quality data to ensure the highest product standards, customer-focused service, and on-time delivery.

The systematic inspection of all incoming and outgoing goods according to defined inspection plans forms the basis for high customer satisfaction and a seamless production history.

Continuous training of our employees, the use of state-of-the-art measuring equipment and a state-of-the-art CAQ system ensure consistent quality and reliability at every stage.




ZERTIFIKAT

DEKRA

ISO 9001:2015

DEKRA Certification GmbH bescheinigt hiermit, dass die Organisation

SKT Schwarzwälder Kugel- & Rollentechnik GmbH & Co. KG

Unterm Dorf 184, 78144 Schramberg, Deutschland

für den zertifizierten Bereich:

Fertigung und Vertrieb von Stahlkugeln, Spezialkugellagern aus Metall und Kunststoff, Gleitrollen und Fließpressteilen

ein Qualitätsmanagementsystem entsprechend der oben genannten Norm eingeführt hat und aufrechterhält. Der Nachweis wurde mit Auditbericht-Nr. A2410129 erbracht.

Zertifikats Registrier-Nr. 3010411617
Gültigkeit vorheriges Zertifikat: 29.04.2025
Zertifikat gültig vom: 30.04.2025
Zertifikat gültig bis: 29.04.2028

IAF

DAkkS

Dr. Rolf Kirbach
DEKRA Certification GmbH, Stuttgart, 25.04.2025

DEKRA Certification GmbH * Handwerkstraße 15 * D-70565 Stuttgart * www.dekra-certification.de

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DEKRA Certification according to ISO 9001:2015

The SKT GmbH has successfully obtained the DEKRA certification in accordance with ISO 9001:2015. This certification is continuously monitored in line with the latest requirements and underscores SKT's commitment to the highest quality standards and continuous improvement processes, ensuring that customers consistently receive products of outstanding precision and reliability.

Sustainability

The protection of the environment and the conservation of natural resources are high-priority objectives for SKT Schwarzwälder Kugel- & Rollentechnik GmbH & Co. KG. We are therefore committed to using the resources available to us in a sustainable manner.

We pursue the goal of aligning our activities and strategies with ESG principles such as human rights, ethics, labor standards, applicable laws and regulations, environmental and climate protection, confidentiality, and anti-corruption. These principles stand for sustainable development, enabling us to contribute to a better future for all.

We support this commitment with certification according to **ISO14001:2015**

You can find detailed information about our approach to sustainability, our goals, and our measures in our **sustainability statement**.

"We see it as our day-to-day obligation towards our customers to uphold and justify our renown. .

Philipp Preuss
Head of Quality Assurance SKT

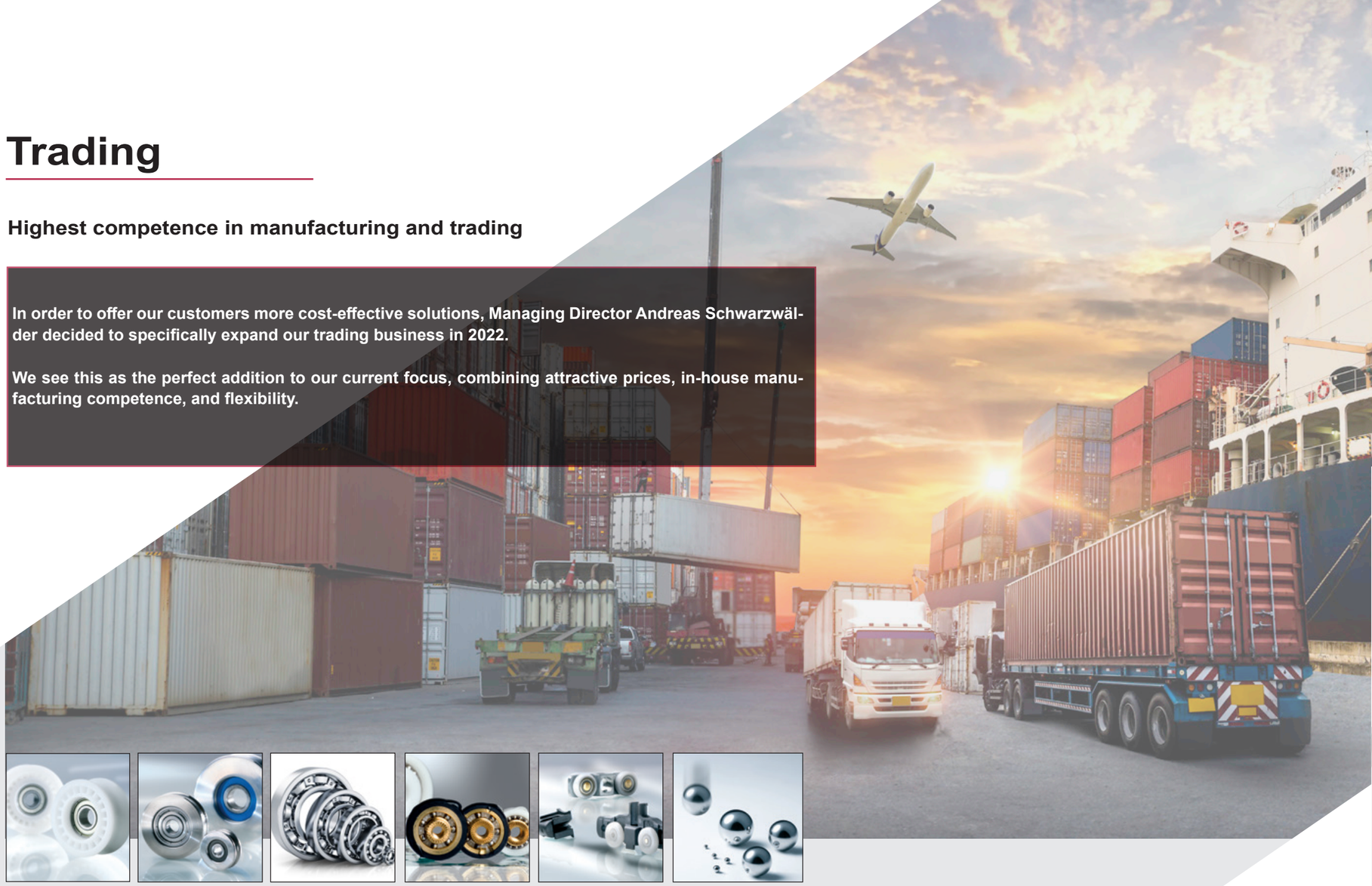


Trading

Highest competence in manufacturing and trading

In order to offer our customers more cost-effective solutions, Managing Director Andreas Schwarzwälder decided to specifically expand our trading business in 2022.

We see this as the perfect addition to our current focus, combining attractive prices, in-house manufacturing competence, and flexibility.



The aim to leverage the benefits of our long-standing and excellent business relationships with our Asian partners to benefit our customers. We can rely on SKT's expertise during the complete process, from customer consultation to deliver quality.

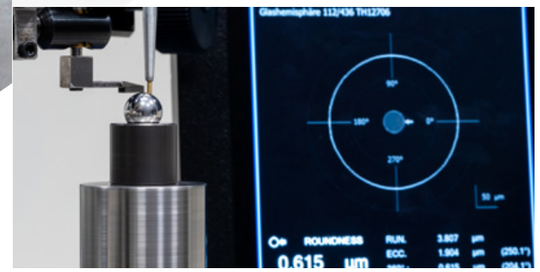
The same contact persons will be responsible for you, so you will continue to receive SKT's high level of competence from a single hand.

Products

The range of products offered is virtually as extensive as the well-known portfolio of SKT GmbH.
Our product line therefore includes **plastic-sheathed ball bearings, steel ball bearings, bearings for wet areas, assemblies and complete carriage units, as well as steel balls.**
We can also supply various types of bearings according to **DIN standard**.

Our Quality requirement

Thanks to our many years of experience, we instruct not only all technical specifications but also the hole supply chain and all relevant inspections for each order. We only use manufacturers that we have certified and are therefore familiar for us. DIN certifications are standard in most of our production facilities and thus symbolize the German quality standard, which is continuously monitored and tested by our QA department.



The combination of all these advantages makes us to your reliable partner in trading business.

Andreas Schwarzwälder
Managing Director of SKT



Applications & Industries

**Different industries have different requirements, but they all share a common aim:
to have a partner with a strong customer focus who offers economically optimal solutions and products that are characterized by high running comfort, durability and functionality even under difficult conditions.**

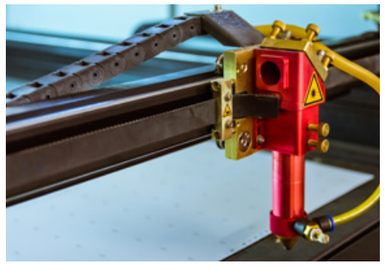
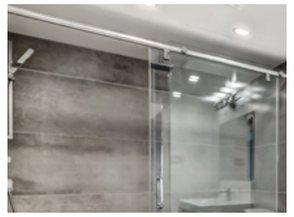
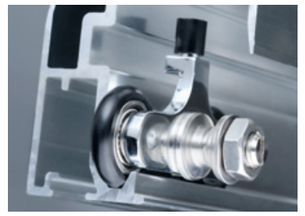
Building Industry | Intralogistics & conveyor industry | Ball technology | Machine & Plant Engineering | Furniture fittings | Sanitary



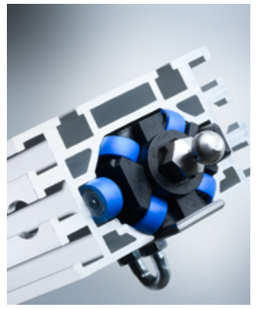


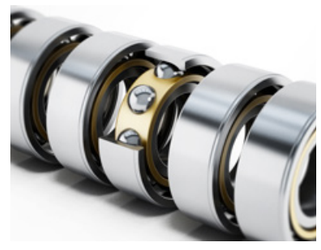




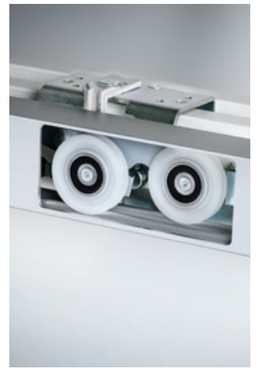












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