



Reactivity



Flexibility

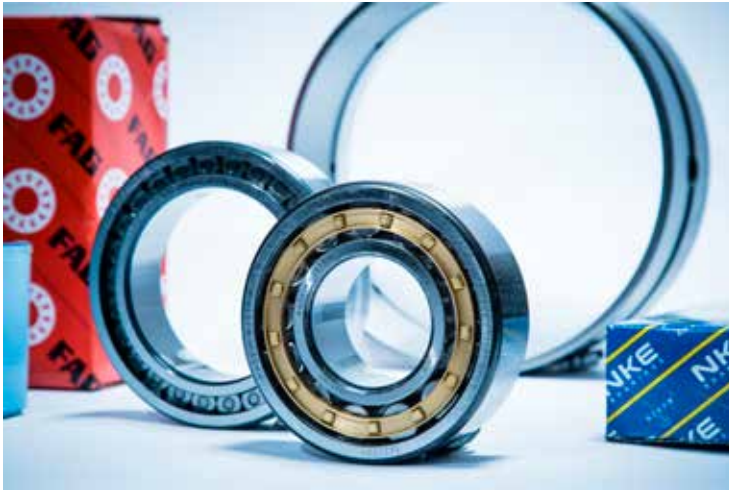


Expertise



rbk.fr
rbk-lineaire.fr

RBK, your premium bearings supplier



RBK Roulements is a family-owned company which is specialized for over 30 years in the distribution of non-standard technical bearings, particularly in emergency situations and repair applications...

We are able to respond to every inquiry thanks to our large stock of over 35,000 references worth 1,800,000€. Our warehouse is located in the Oise region, 1 hour far from Paris.

Our business covers other product ranges, such as linear guides, bearings, spherical plain bearings, couplings, belts.....

What you can't find elsewhere, RBK can find it !

RBK is an official supplier of brands such as:



Trust us on our procurement service, we will be able to provide you with major brands, such as SKF, TIMKEN, THK, BOSCH, IKO, NICE, NACHI, SFERAX, GMN, GAMET, KAYDON...

We are proactive in the fight against counterfeiting and we commit ourselves to work only with official manufacturers.

We use these tools to verify product traceability:

OriginCheck

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NSK Verify

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You can also call our specialized Workshop for:

- Repairs
- Manufacture
- Transformation (clearances change conifcation, pairing...) of your bearings up to 1,200 mm in diameter...



With **RBK Linéaire** we offer you an hight-quality technical service via our workshop for rail cutting and finger-jointing, as well as precision guide shaft cutting and processing.



Roller Bearings

We offer you a range of standard and special anti-friction and advanced bearings for use in a wide variety of applications...

In engineering, we are in close collaboration with our customers as privileged and strategic partners. This is from the conception of a new project on.

All the bearings below are available in a wide range of sizes (diameters from 3 millimeters to 4.25 meters):

- Self-aligning ball bearings
- Spherical roller bearings
- Cylindrical roller bearings
- Tapered roller bearings
- Bearings with integral or precision assemblies
- FAA-approved bearings for aerospace applications
- Thrust ball bearings
- Spherical roller thrust bearings

Rigid ball bearings, tapered bearings and more are available, all in high-performance stainless steel with solid lubrication technology against all types of contaminants. (operating temperature from -15°C to 80°C).

Other low-friction, maintenance-free, grease and oil-free bearings are available for applications with very wide temperature ranges (-30°C to $+250^{\circ}\text{C}$) and even (-150°C to $+350^{\circ}\text{C}$).

APPLICATIONS:

OEM, special machinery, paper mills, heavy industry, quarries, iron and steel, metallurgy, public works, railways



Needle Bearings



Needle roller bearings are a standard elements of a rotary motion system. Needle roller bearings are used in applications requiring high load capacity, high precision and small overall dimensions.

In fact, they are very attractive, with a lifespan up to 50%

- Complete needle roller bearings
- Drawn cup needle roller bearings with cage
- Needle roller and cage assemblies
- Cage-guided needle roller bearings
- Complete needle roller bearings
- Needle roller bearings
- Needle roller thrust bearings
- Combined needle roller bearings (RAX)
- Precision combination bearings
- Sealing rings

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NADELLA

Koyo

APPLICATIONS:

Special machines, small machines, tools machine, electric tools, gearboxes, military, printing, hydraulics, valve manufacturer

Insulated Bearings

Our range of hybrid bearings with ceramic balls (Si3 N4: Silicon nitride) offers the following advantages over steel balls:

- 58% lighter
- 50% speed tolerances more
- 128% harder
- 400% friction less
- 70% thermal dilatation less
- High chemical resistance
- Electrical insulation between inner and outer rings
- High temperature: until 350 celcius degrees

APPLICATIONS:

For use in high-speed motorsports, in the food, medical and aeronautical industries, in abrasive environments, or in applications or equipments requiring high speeds and long service lifespan.

A full range of electrically insulated ball and roller bearings developed by our partners NKE and FAG are also available for your specific applications...

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NKE
BEARINGS

ceramicspeed

They also enable you to respond to a number of special industrial applications or faults that can generate, among other things, current flow between the inner or outer rings of bearings.

Deep groove ball bearings (6000) or cylindrical roller bearings (NJ, NU, NUP) are available in M, C3, C4. They are available with outer ring or inner ring coatings, or with ceramic balls...

APPLICATIONS:

For electric motors, generators and wind generators, rail traction motors, pumps, compressors or in gearbox systems...



Cam followers



Tracks rollers are bearings with one or two rows of rolling elements, mounted or not on an axle. They are composed of a thick outer ring with a cylindrical or crowned tread, balls, rollers, or needles, embedded or joined...

The rollers are available with and without axial guidance of the outer ring, and with and without sealing.

Axle-mounted rollers are available in concentric and eccentric versions.

These bearings withstand high radial loads and can be used in the hardest environments.



- Ball bearing rollers
- Needle rollers and rollers
- Stainless steels rollers
- Special Rollers: RBK is able to manufactures your special references



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NADELLA

NKE
BEARINGS

MCGILL®

APPLICATIONS:

Cam drives, guide rails, conveyors and linear guideway systems

Precision Bearings

Precision bearings are designed to provide high precision, high speed and rigidity in the most demanding applications.

Super-precision bearings have been developed to meet the following expectations : extreme precision, very high rotation speed, quiet and smooth rotation, minimum friction and heat generation, controlled rigidity.

Hybrid bearings (rolling elements in silicon nitride : Ceramic) offer a number of optimum performance characteristics, such as heat resistance, extended service life, low weight, reduced thermal expansion, and no electrical conductance, enabling them to be used in an unlimited number of applications as a new-generation material.

- Angular contact ball bearings
- Sealed angular contact ball bearings
- Single row cylindrical roller bearings
- Double-row cylindrical roller bearing
- Angular contact thrust ball bearing
- Deep groove ball bearing

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APPLICATIONS:

Spindle bearings for machine tools, ball screw support, high-speed precision motor



Bearings and Clamping Inch size

Clamping and self-aligning bearings are robust, ready-to-install mechanical parts for economical bearing arrangements. They are particularly easy to assemble.

We also offer self-aligning bearings for special applications:

- Corrosion-protected flanged bearings with two-part housings
- Polypropylene flange, combined with a high-alloy stainless steel flange
- Bearings with plastic housings, combined with self-aligning bearings in VA stainless steel version or with Corrotect® coated bearings
- Other versions with special greases, seals and inch dimensions...



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NTN **SNR** **DODGE**

APPLICATIONS:

**Conveyor pulleys, cable pulleys, bucket elevators, bucket wheel excavators, hoists and winches, fans,
Heavy industries such as: marine, mining, conveying, iron and steel, ore processing, cement ...**

Bearings for heavy industries

Bearings for heavy industry are able to resist seizure and wear under demanding operating conditions, such as constant vibration. They can also maintain dimensional stability even in high-temperature environments, and can withstand heavy loads.

We find these bearings in industries such as quarrying and mining, steel mills, sawmills, metallurgy and paper mills...

- Spherical roller bearings
- Spherical roller bearings
- Screen bearings
- Double row cylindrical roller bearings

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APPLICATION:

Hot rolling mill, steel mill walking beam furnace, recirculation fans, dryer rolls



Bearings Workshop



Our specialist workshop, which has been in operation for almost 20 years, offers you different services:

- Repair, refurbishment and reconditioning of all types of bearings, slewing rings and thrust bearings up to 1200mm bore.

- The manufacture of all types of ball, tapered and cylindrical bearings.

- Pairing, manufacturing spacers for tapered roller bearings...

- Bearing stabilization at operating temperature ($S1 \leq 200^{\circ}\text{C}$, $S2 \leq 250^{\circ}\text{C}$, $S3 \leq 300^{\circ}\text{C}$).

Transformation of all types of bearings :

- Grooving: N, NR

- Clearance: C2, C3, C4, C5

- Precision: P5, P6

- Taper: K, K30



bearing 241/600
ECAK30/W33

bearings workshop



Rod ends

Spherical plain bearings are ready-to-install mechanical components.

The spherical bore of the outer ring and the spherical geometry of the inner ring enable alignment in all directions. Spherical plain bearings support static loads and are suitable for oscillating and tilting movements. They compensate for shaft misalignments, have no edge loads in the event of misalignments, and allow greater manufacturing tolerances in the adjacent construction..

Spherical plain ends are assemblies with a spherical plain end. They consist of a threaded or tapped end into which a ball is integrated. Spherical plain bearings are used in lever and rod connections, and as connecting elements between cylinder rods and adjacent parts in hydraulic and pneumatic cylinders.

- Rod ends series and rod ends series E/W/C
- Axial and oblique spherical plain bearings
- Rod ends - hydraulic / weldable
- Angle spherical plain bearings
- Clevises / fork joints
- Seals / nuts
- Motorsport series
- Special versions
- Höhn precision parts

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FLURO®

ASKUBAL

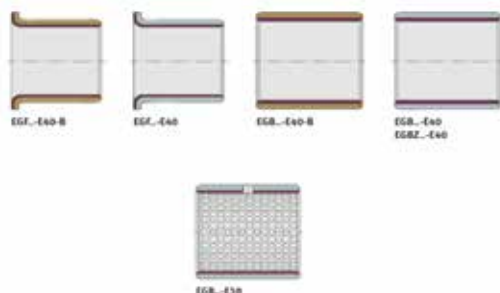
APPLICATION:

Motorsport, marine, food or chemical industry series



SELF-ALIGNING PLAIN BEARINGS

In stock : 24 h Delivery



NILOS RINGS

In stock : 24 h Delivery



For over 60 years, NILOS has been the ideal solution for extending bearing life by providing sealing solutions for almost every application, from materials handling equipment to the automotive sector..

PRECISIONS NUTS

In stock : 24 h Delivery



Adjusting nuts and locking/unlocking rings are used whenever precision mechanisms require precision tightening and powerful, secure locking, but above all for adjusting and tightening all types of bearings.

SNAP RINGS

In stock : 24 h Delivery



Snap rings provide the small footprint already achieved with your bearings prevent axial displacement of bearing rings or needle roller and cage assemblies.

Linear Guideway

SCREW BALLS

Screw balls, also known as lead screws, are extremely versatile and are used in almost all industrial sectors. They transform rotation into longitudinal movement. The balls move between the screw, or more precisely the threaded screw, and the nut via a return system that forms an endless loop, guaranteeing fluid movement in your application..

GUIDANCE ON PROFILED RAILS

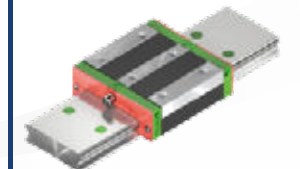
A profiled rail guide enables linear movement by means of rolling elements. Thanks to the use of balls or rollers between the rail and the shoe, a profiled rail guide is able to achieve extremely precise linear motion. Compared with a conventional rail guide, the coefficient of friction is fifty times lower. Its high efficiency and absence of backlash make profile rail guiding extremely versatile.

- Four row linear recirculating ball bearing in X or O arrangement
- Six row linear recirculating ball bearing
- Linear recirculating roller bearing
- Miniature linear ball bearing
- Four row Stainless steel linear ball bearing

ROLLER GUIDEWAY

Linear roller guideway are suitable for all applications where high speed and low noise are required, and where the operating environment is very aggressive. Our rails can be supplied in a single 6-meter length, can be cut and drilled to customer specifications, and can be joined together.

- Heavy-duty guideway
- Curvilinear guideway
- Stainless steel guide
- Compact guideway



LINEAR MODULE

Linear modules for high speeds: a universal solution as an economical single shaft or in combination with other shafts from our range of systems for complex multi-axis systems. In particular, the RBK linear module system offers all the components of linear handling technology, right down to the motor interface: roller or recirculating ball bearing guide systems, with toothed belt or ball screw drive, designed for direct, cross or gantry connections, or as a single-module system. With these universal moving and positioning systems, you can build your structure quickly and precisely.

BALL BUSHING on shafts with end machining as per drawing, with bearings

TELESCOPIC SLIDES

The main fields of application for linear guidance systems are: robotics, handling and gripping systems, packaging, machine tools, woodworking machines, assembly machines, measuring instruments, electromedical machines and printing machines...

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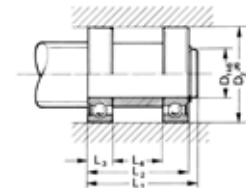
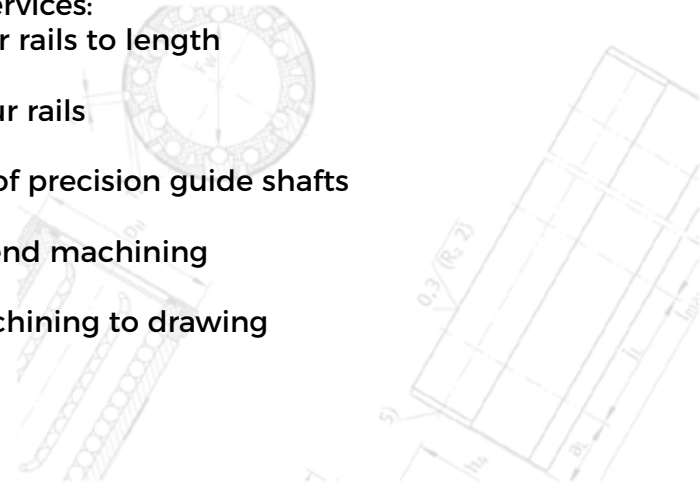
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Linear Workshop

Workshop services:

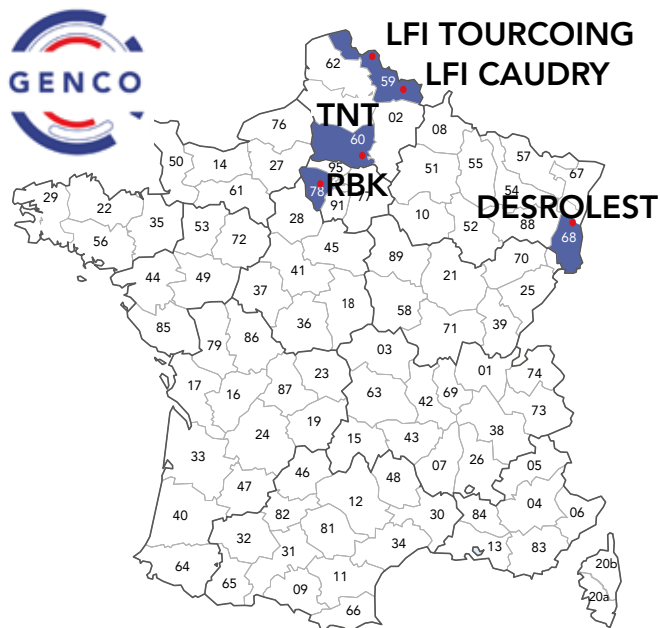
- Cutting your rails to length
- Filletting your rails
- Machining of precision guide shafts
- Ball screw end machining
- Special machining to drawing



The GENCO Group was founded in 2023 to create a group of 5 industrial supplies agencies who have the same mindset to respond favorably to manufacturers inquiries. GENCO is committed to supplying the right equipment and components, at the right price and with a high level of responsiveness.

The company's head office is located in Croissy-Sur-Seine, near Paris, France.

GENCO



Where you can find the GENCO group agencies in France:

- **RBK Roulements**
- **DESROLEST**
- **TNT - Techniques Nouvelles de Transmissions**
- **LFI Fournitures Industrielles Tourcoing & Caudry**

GENCO The GENCO Group is also present in the main international markets with strong development potential.

This international presence is achieved in 2 ways:

- Through our International Division in France and our sales office in Tunisia.
- Plus our Moroccan subsidiary, ALSTENA Industrie, launched in 2020.

- 200 000 references stocked
- 5 agencies
- 43 employees
- 8 specialists



IPE



Motorization,
pneumatic



Export



Hand tools



Linear guideway



Bearing housings,
rod ends



Hygiene



Bearing

more informations on our website : genco.fr

Notes

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RBK

Monday to friday :

8:30am - 12:30

1:30pm - 5:30pm

Office:

**Parc d'activité Claude Monet
3 rue Maurice Leblanc
78290 Croissy sur Seine
France**

Warehouse:

**6 Impasse de la Gare
60870 Villers Saint Paul
France**

Tel. : 0033 (0)1 61 04 46 46 - Fax : 0033 (0)1 61 04 46 40

contact@rbk.fr

rbk.fr - rbk-lineaire.fr