Agricultural Solutions

- Bearing and transmissions parts for the agrar industry

PTI Europa A/S

Your competent and professional supplier to the agricultural industry

PTI Europa A/S is a manufacturer of bearings, bearing housings and transmission products. The company was founded in 1991 and currently employs more than 45 employees and the number is steadily increasing. We always strive to adapt our product range to our customers' requirements. Our clear aim is to guarantee our customers a sustainable supply of quality products at competitive market prices. Over the years, we have gained a lot of experience and expertise in terms of international production and trade, and we have built up a very good reputation with many industrial customers and dealers all over the world.

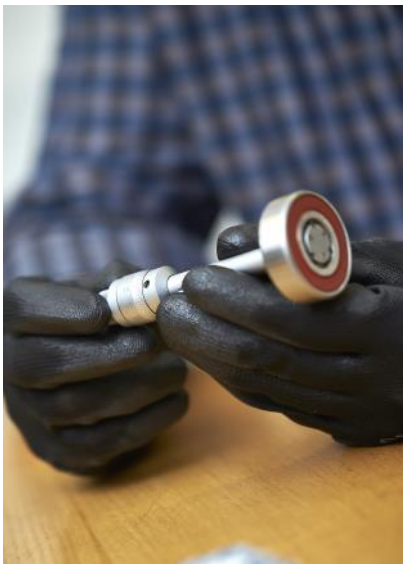
With an extensive product range and a 15.000 m2 warehouse, PTI is always ready to provide extra service for existing standard solutions. This ensures a unique level of service and high operating reliability for our customers. As a result, PTI is currently one of Europe's leading suppliers and experts in the field of mechanical transmission components.

Our Employees

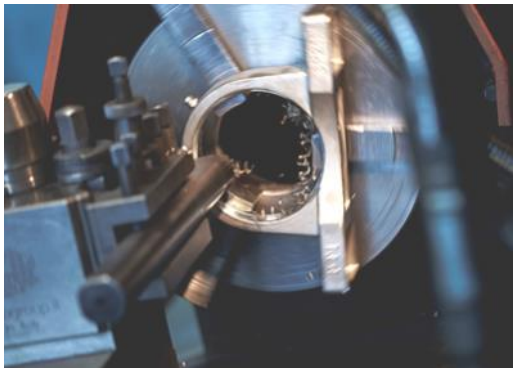
PTI Europa A/S is a dynamic company in constant development that is run by a competent team of employees. We are proud of the fact that a large proportion of our staff have been employed at PTI for over 10 years and some for more than 20 years. Each customer is assigned a contact person who takes care of the daily communication and is familiar with one's needs.

ISO certified

We and our subcontractors are certified according to ISO 9001. Our transmission components are manufactured in both metric and imperial dimensions that are approved according to European and American standard norms. The purpose of our ISO 9001 certification is that we will continue to strive to improve the quality and consistency of our products, delivery times and service.



Modifications and Machining



At PTI we perform modifications and machining in our own workshop. This way we can quickly change a standard product according to your wishes, so that you avoid waiting for a new production. Changes can include hollowing out the bearing housing for larger bearing diameters, boring of chain or v-belt pulleys, keyseating, special covers for bearing houses and much more. We stock many items as individual components, so we can combine them into different end products. Therefore, we can rapidly put a product together according to the customer's specific requirements. With our grease filling system, we can fill bearings with special greases and different filling quantities.

Two departments = One strong partner

PTI is divided over two addresses in respectively, Højer, close to the German border and in Støvring near Aalborg.

At our department in Højer, we mainly sell our own PTI brand products to both OEM customers and dealers throughout the world. These are manufactured according to PTI's specifications at our regular partners all over the world. Our products are a strong alternative to other competitors in terms of quality and price. All incoming goods are checked according to established ISO certified procedures.

PTI's department in Støvring is the largest independent dealer of FAG/INA products in Denmark, as well as an authorised dealer of bearings from SLF and belts from Optibelt.

You have a strong partner in PTI, whether it concerns the purchase of brand-name products or if you want an alternative price solution that can give you a competitive advantage.

Shipments

All our orders are usually packed and sent within the day we have received the order. We deliver all over Europe and the rest of the world at very competitive freight prices.

All our shipments are checked twice before they are dispatched.

After dispatch, you will receive a shipping number so you can track your package at any time.

Demanding conditions in the agricultural industry

Bearings and transmission parts in the agricultural industry are exposed to a harsh environment, where mud, dust, dirt and vibration is an everyday challenge.

This combined with changing weather conditions heat in the summer and freezing in the winter, rain and washing, corrosive chemicals and intense work periods followed by long periods of not being used makes the part especially exposed.

We offer a variety of products, developed to handle these challenges whether it is sowing, harvest or everything in-between.

Our Products

The following pages show an overview of our extensive product range, directly available from stock. Items we do not have in stock or with special dimensions are offered with a delivery time. On our website pti.eu you can find most of our products, as well as data sheets.
It is also possible to search for part-numbers from different manufacturers and find matching models at PTI.

Freewheels and One Way Clutch

Freewheels can be used for a number of applications where counter rotation is not permissable. These can be supplied for clockwise or counterclockwise rotations.

Bearing Housings

One of our core areas at PTI is bearing housings that are supplied in a wide variety of models, such as plummer block housings, one-piece housings, flange housings, take-up housings and double bearing housings.

They are manufactured mainly in cast iron, but they can also be supplied in reinforced types.

All the housings can be supplied as complete solutions fitted with bearings, seals, adapter sleeves, fixing rings and end cover. Bearing housings can be supplied with different sealing solutions for both grease and oil lubrication, for example: felt rings, rubber lips, labyrinth and taconite. PTI versions are interchangeable with the most well known brands within the bearing industry and can be exchanged 1:1 with these.

We are experts in supplying solutions that are beyond the usual standards.

Mounted Bearing Units

This type of bearing unit can be used for numerous applications, they are ready for mounting and easy to maintain. The bearing insert has a spherical outer ring, that means the bearing can easily be replaced and adjust itself to angular errors in the construction. The bearing housings come in many variations, covering every imaginable construction. 2, 3, or 4 bolt flanged bearing housings, plummer block housings, take-up housings, round bearing housings and lightweight sheet metal housings.

Most types can be supplied with an open or closed cover, which can be made of thermoplastic, sheet metal or cast iron. PTI's insert bearings come with different fixation options, such as set screw, eccentric locking ring, adapter sleeve and as a floating bearing. Many sizes are also supplied in imperial measurements.

Bearing inserts are available with a variety of seals. From ordinary standard designs to easy running low friction seals and heavy duty seals with up to 6 sealing lips for extra protection against dirt and fluids.

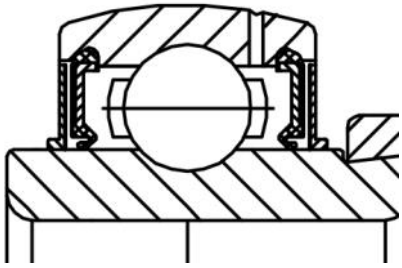
Seals

Our bearing can be acquired with different types of seals, from standard rubber seals to seals with up to 6 lips.

R3: The R3 Seal consist of a metal ring and a rubber seal, that have been baked together to make out one seal. The 3-lipped construction efficiently keeps fluids and dust from entering the Bearing.

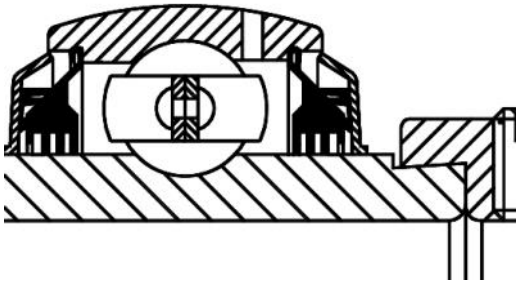
R6: These are provided with 6 lips which to greater extent keeps the track clean from dust, dirt and water. The Bearings can be handled just as a normal bearing, but because of the seal these offer a longer lifetime.

2RS Seal



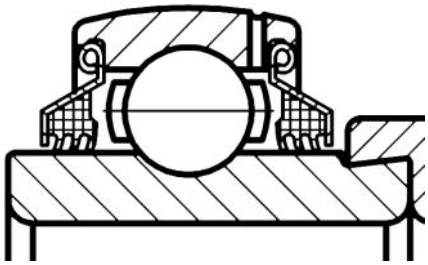
Normal 2RS Seal consisting of a rubber seal on each side, with a Zink plated steel lip put in front.

R6 Seal



R6: has a total of 6 lips which protects the bearing against dust, dirt and water. The bearings with R6 sealing are therefore especially suitable for hard conditions like the agriculture industry.

R3 Seal



Our R3 Seal, where the need for sealing is greater than by the standard Seal, but not on the same level as R6

Ball, Needle and Roller Bearings

Our product range includes a complete portfolio of various bearings types, including regular row ball bearings, angular contact and spindle bearings, self aligning ball bearings, cylindrical, tapered and spherical roller bearings, axial ball and roller bearings, miniature bearings and wheel bearings. Furthermore, we offer needle bearings, needle bushes and needle end bushes, combined needle bearings and axial needle bearings.
Our bearings are also available in stainless steel, as well as ceramic, and hybrid bearings with different degrees of clearance and seals.

Bushings

Bushes are useful where requirements for rotation are not as high as for traditional bearings and they are less cost intensive.

We stock a wide range of different bushes, including both self-lubricating bronze bushes and sliding bushes, which are available with or without a collar.

As one of the few on the market, we also supply DIN housings.

Shaft Couplings

Shaft couplings are intended for power transfer between two shafts that can compensate for alignment errors and reduce vibrations. Curved tooth couplings and friction torque limiters are designed to disconnect the power transfer in the event of an overload. We supply a wide variety of shaft couplings, for example, elastic and fixed couplings, clamp couplings, car tyre couplings and chain couplings. The different types can be supplied pre-bored, for taper bushes or bored according to customer requirements.

Extremely resistant in harsh environments

Chains

We supply a vast range of chains such as agricultural chains, conveyor chains, ordinary roller chains, leaf chains and hollow pin chains. These come in a variety of materials, for example, stainless steel, heavy duty and nickel plated. There is also the possibility of chains with attachments.

We supply chains in simplex, duplex and triplex versions.

Sprockets and Idler Sprockets

We offer a large selection of different sprockets, including plate wheels, taper sprockets, idler sprockets, cast and stainless steel sprockets. Sprockets can be supplied with finished machined boring, keyways, set screw and types with induction hardened teeth.

Belts

Belts are supplied as classic wrapped v-belts, cogged raw edge belts and timing belts. All our belts are antistatic and oil-resistant. Besides our PTI belts, we also have belts from Optibelt.

V-belt and Timing Pulleys

We supply a complete range of v-belt and timing pulleys in a pre-bored version or with taper bushes.

Tensioners

Our tensioners ensure a constant tightening of belts or chains, the built-in rubber elements can be adjusted to a variable pressure. Very useful in constructions where the shafts cannot be offset. Wear and stretch of the chain or belt is automatically absorbed.

Taper Bushes

Taper bushes make assembly and disassembly of v-belt pulleys, sprockets and timing belts easy.

Available in metric and imperial dimensions. Some sizes are available in a reinforced steel version.

Locking Devices

Locking devices are used for attaching belt pulleys, sprockets and other things to a shaft. They are suitable for small shafts, where a key/groove connection is not possible. Locking devices tolerate impact and reversing loads.

Rod Ends

Rod ends are used for non-linear movements and can offset angle error and rotation.

We supply all the common models of rod ends including both radial and axial rod heads, rod eyes with male and female threads and hydraulic rod heads for either welding or clamping.

Rod ends come in regreaseable or maintenance-free models.

They can also be manufactured in stainless steel.

Powder Coating

With our powder coating facilities, we are able to provide you with an excellent protection of our products. Our paint is available in all RAL colours and well suited for chemicals, UV light and harsh environmental conditions that require a good corrosive protection. The thick powder layer gives a long lasting and shock absorbing coating. All work steps are made in house, the handling and curing of this type of paint is very fast. This enables us to provide you with your special paint needs in matter of short time.

Accessories

We offer a wide variety of accessories, among other bushings in every form, ball transfer units and waterproof manual/tool holders mountable on a variety of different machines or vehicles.

Custom Parts

At PTI we offer custom-made special parts, to our customer's individual needs. These products can meet specific requirements regarding durability, design, be branded with the customer's logo, in customer-specific colours and be supplied with their part number. We develop these products closely together with our customers and advise about improvements on existing solutions. We are looking forward to receiving your request.

References

More than 2000 customers spread all over the world and in many different industries, trust in PTI as their supplier of bearings and transmission parts.

SOBY

kverneland group

Visit our Webshop

On our webshop shop.pti.eu, it is possible to order products, see our stock, gross and net prices, favourite lists and previous orders.

On our website pti.eu you can find drawings and dimensions for most of our products.

Everything you need to get a login for the webshop is on our homepage. Fill out the required login information, after which you will receive a password within 24 hours and have full access to the webshop. Should you forget your password, please follow the same instructions and we will send a new password as soon as possible.

We are, of course, still personally available for orders, enquiries, etc., on both e-mail and telephone.

Contact us:

Call for more information about our products and services

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