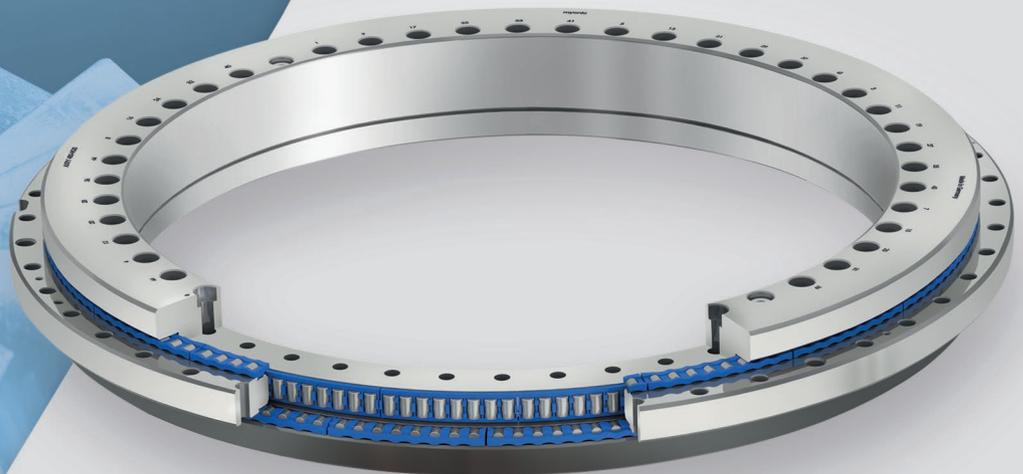




Bearings for Precision Rotary Axes





Ultra Precision Made in Germany

myonic bearings are manufactured exclusively in Germany. Only ultra-precision machine tools are used in our fully air-conditioned production facilities.

Roller bearings of the highest quality are produced daily in combination with modern processes.

Our development engineers and test rigs are located in house. Short distances increase flexibility and the speed required to quickly realize perfect solutions for our customers.

Our focus is on our customers!

Numerous renowned machine tool manufacturers throughout the world place their trust in the quality of myonic products. Collaborating closely with our customers, we are constantly finding solutions to even highly complex applications.

Thanks to the close to our customers, we understand these applications and can feed this experience into products that are becoming better and better all the time.

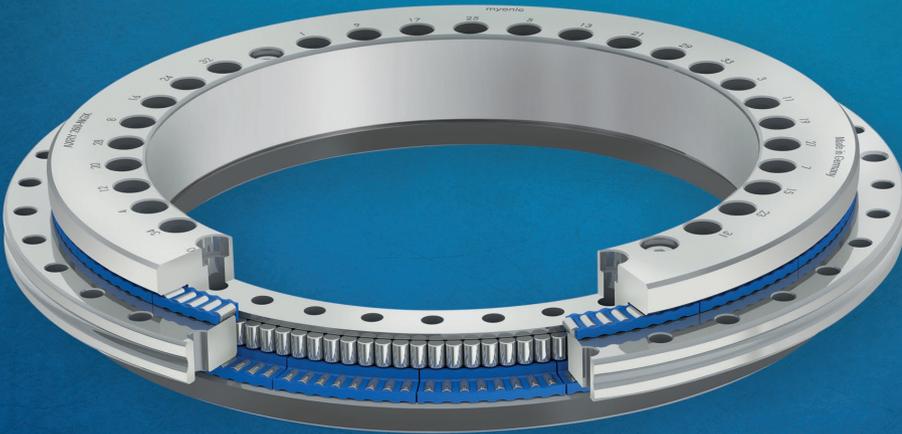
More service

We provide you with all-round support - no ifs, no buts!

From the first sketch to the dimensioning and calculation, design, prototype construction and assembly through to series production. Besides technical competence, we also offer you a multitude of logistics solutions.

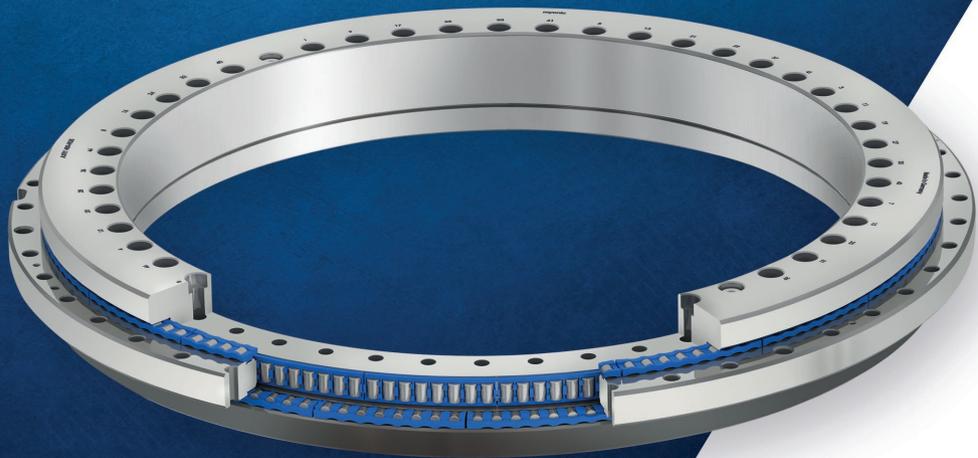
This ensures that you always have the optimum product in the right place at the right time.





NGX

Next Generation
maximum rigidity



NGS

Next Generation
maximum speed

The Next Generation

The **AXRY-NGX** series has been systematically developed for maximum rigidity. In fact, getting greater rigidity from the available space just isn't possible! The proven grease reservoirs from the EX series that provide lifetime lubrication have been incorporated.

Our new **AXRY-NGS** series was developed for maximum speed combined with high rigidity. This makes the bearing ideally suited to milling/turning applications and innovative machine concepts. Thanks to our integrable lubrication status monitoring, operation is possible with minimal amounts of lubricant. This enables frictional torque and temperatures to be reduced to a minimum. Very precise relubrication is possible.

Sensors that monitor the bearing and provide online measurement data are located directly below the raceways.

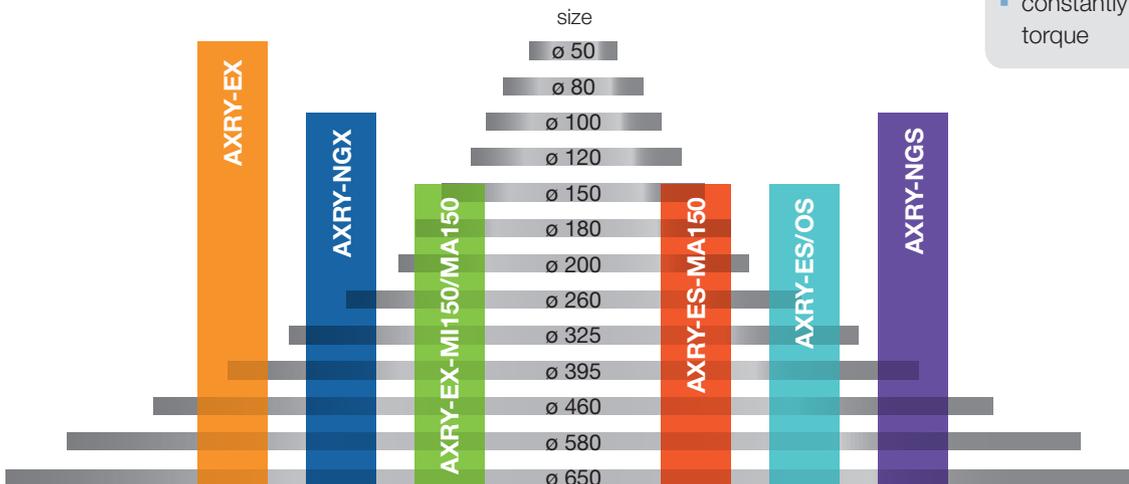
Based on the technology of surface acoustic waves, our system records in real time the parameters that are indicative of wear - lubrication status, bearing load, temperature and slippage behavior.

Maximum rigidity

- rigidity increased by up to 25%
- more solid bearing rings
- less ring deformation
- longer life time

Maximum speed

- optimized kinematics
- longer duty cycle
- condition monitoring system
- small temperature difference between IR and OR
- constantly low friction torque



Our Series

AXRY

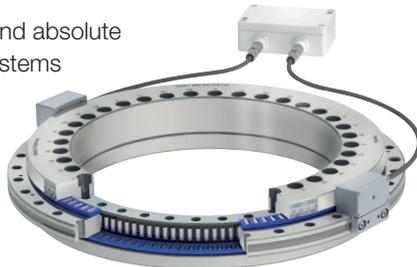
Axial / radial bearings



- Series NGX** maximum rigidity for swiveling and slowly rotating axes
- Series NGS** maximum speed for high speed rotating axes
- Series EX** very high rigidity for swiveling and slowly rotating axes
- Series ES** very high speed for inner ring rotation
- Series OS** very high speed for outer ring rotation

Optionally available:

- incremental and absolute measuring systems
- Seals



AXDR

Angular contact roller bearings



- Series VX** high rigidity for swiveling and slowly rotating axes
- Series SX** for high speed rotating axes

The design has been optimized across all series – profit from maximum running accuracy, highly accurate connection dimensions and constant smooth running.

AXCR

Crossed roller bearings



- Series U** Standard version with single-piece rings
- Series S** Standard version with single-piece rings and constant overall height
- Series M** customer-specific version with single-piece rings

Crossed roller bearings offer relatively high axial and radial rigidity along with tilting rigidity in a very compact design.

Special bearings

Special bearings are possible in all series and are custom made to your own technical requirements.

Examples:

- Counter-bearings as play-free, pre-loaded floating bearings
- Surrounding components integrated into ready-to-install kits
- Functional components integrated into the bearing
- Special overall heights / drilling patterns etc.



Machine tool bearings / accessories



Bearings for ball screw drives

With the series AXZN and AXZF, myonic manufactures a full range of needle axial cylindrical roller bearings specially for heavy duty screw drives.

High precision bearings

myonic manufactures small-diameter, high precision bearings that are suitable for high speeds.





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MinebeaMitsumi
Passion to Create Value through Difference



**Component
production**

Assembly

**Inspection and measuring
instruments**

Test rig

myonic is at the customer's disposal right from the early developmental stage with a highly qualified engineering team and state-of-the-art equipment – from the laboratory to production and on through to assembly.

First-class and highly flexible prototype production enables development times to be kept short. The components responsible for constantly high quality are manufactured internally by **myonic**.

A stock of bearing components provides for maximum flexibility and very short delivery times.

myonic is constantly evolving as a company thanks to strategic partnerships with other leading firms, making it the partner for both innovations and system solutions at the limits of what is technologically possible – in line with the motto:

myonic – more than a bearing