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Rolling bearings

Plain bearings

Linear technology

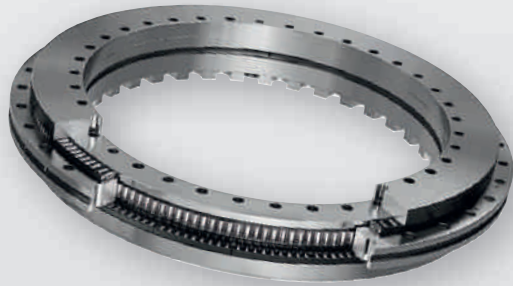
YRTC & YRTCMA ROTARY TABLE BEARINGS



AXIAL/RADIAL CYLINDRICAL ROLLER BEARINGS

YRTC in X-life quality

YRTC-type axial-radial cylindrical roller bearings are the leaders in terms of tilting rigidity and deliver outstanding machining precision and cutting performance. The low bearing friction levels that they achieve thanks to their patented raceway geometry are unmatched by preloaded roller bearings.



Available sizes

- 100 bis 1030 mm already available

Customer benefits

- Low, uniform frictional torque – ideal for use with torque motors
- Suitable for long periods of operation at high speeds
- Excellent axial and radial runout accuracy
- Optionally available with the YRTCMA absolute measurement system integrated into the bearing

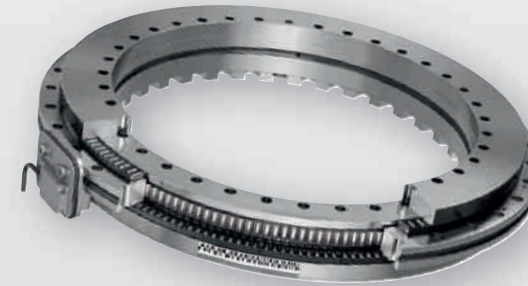
Technical advantages

- 50% frictional torque reduction
- Up to 80% increase in limiting speeds
- Up to 20% increase in tilting rigidity
- Plastic cage segments with grease reservoir

ABSOLUTE MEASURING SYSTEM INTEGRATED INTO THE BEARING

YRTCMA

The integrated absolute measuring system and the (patented) radial screw connection of the sensor make complicated adjustment work obsolete during rotary table assembly. The measurement gap variance, which is relevant in terms of accuracy, is within the accuracy range of the bearing's radial runout. This allows a level of positioning accuracy comparable to that of a flange-mounted optical measuring system to be achieved with a single measuring head. The sensor is available in all common interface designs.



Available sizes

- 200 to 1,030 mm
- 150 and 180 mm on request

Customer benefits

- Hardware and software contained within the measuring head
- Plug & play, easy to mount and replace
- No adjustment of the measuring gap required

Available interfaces

- 1 Vss
- EnDat 2.2
- DRIVE CliQ
- FANUC alpha