

# Bearing Assembly with Torque Motor Type LTD

Keep things moving - directly and completely!



Franke **Rotary Tables Type LTD** with integrated direct drive are characterized by highest energy efficiency. The integration of the drive motor directly into the bearing makes it possible to dispense with components such as gears and drive pinions and thus with complex lubrication circuits. The moving masses are significantly lower, and power loss due to friction is minimized.

The standard series with four diameters from 100 to 385 mm is available from stock. For adaptation to your application, further diameters in the range of 60 to 2000 mm as well as special versions regarding material, motor power or electronics are available on request.

## Your Benefit

- Integrated System
- High Dynamics, High Efficiency
- Customized Design Possible
- Motor, Measuring System and Controller freely selectable

## Areas of Application

- Medical Technology
- Automotive Engineering
- Navigation / Antenna Systems
- Pick & Place
- Assembly
- Automation

## At a glance

### Technical Data

Ready-to-install complete system

Standard diameter KK 100, 215, 320, 385 mm

Special diameters from 60 - 2000 mm on request

4-point bearing, preloaded free of play

Housing parts available in steel or aluminum

Integrated torque motor (potted)

Motor monitoring using PTC thermistors and PT1000

Max. torque 118 NM (for KKØ 385 mm)

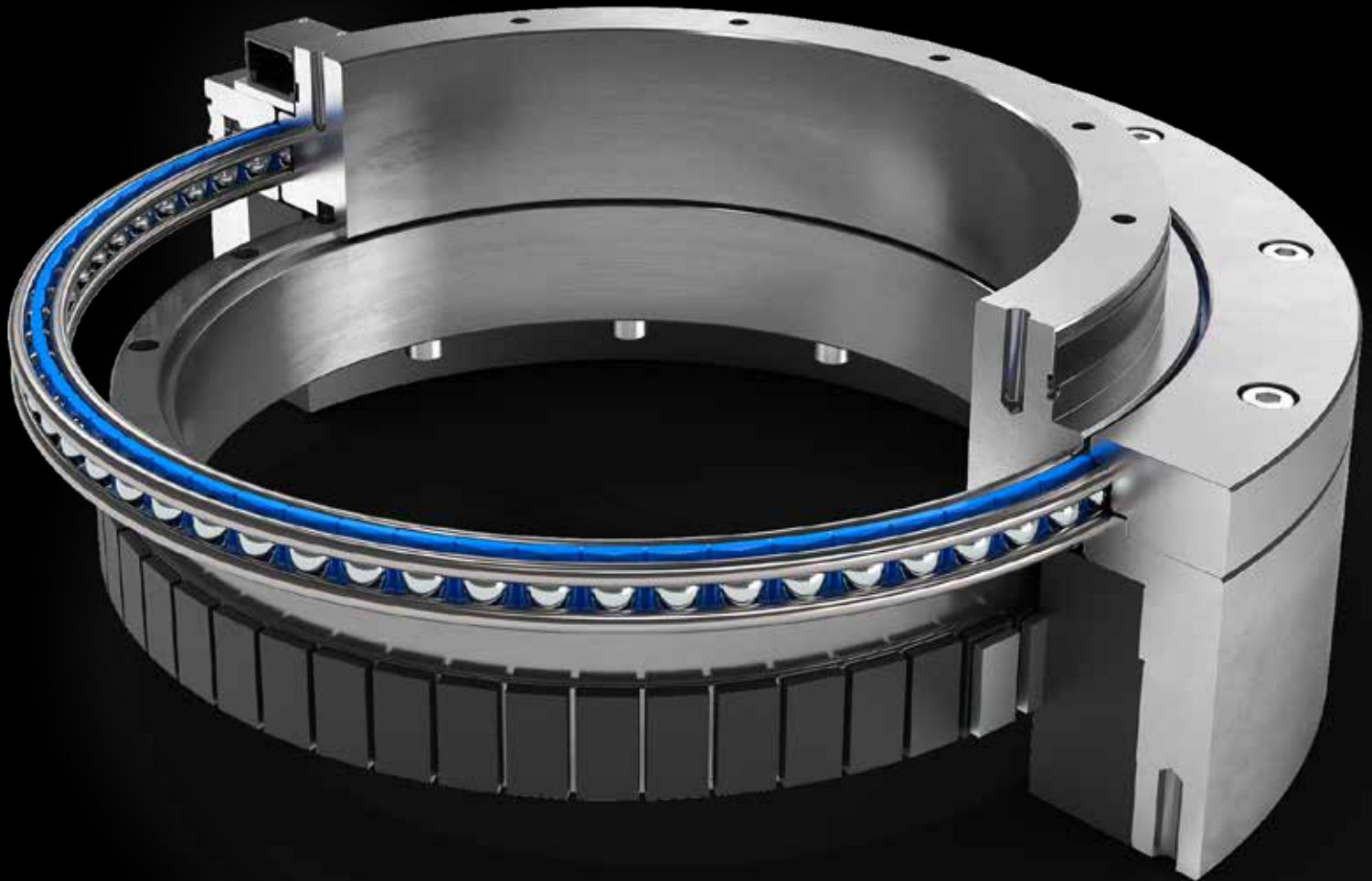
Max. speed 2.140 rpm (for KKØ 100 mm)

Electrical connection via radial plug

Incremental measuring system



Measuring System



Rotor

Stator



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# Application Example Rotary Table Type LTD

## Thread Testing of Pipeline Pipes

