

## Applications

### Space

- Airborne Cameras
- Aircraft Test Equipment
- Antennas (Airplane, Satellite)
- Hubble Telescope Components
- Mars Rovers – 3 Missions
- Pedestals for Radar, Antenna and Satellite Dishes
- Space stations

### Defence

- Sonar, Radar and Communication
- Turrets
- Target and Sighting Systems
- Transmission
- Suspension
- Stabilised Platforms
- Guidance and Propulsion Systems
- Missile Launchers
- Gun Mounts and Ammunition Loaders

### Aircraft

- Landing Wheels
- Navigation and Surveillance
- Target Acquisition Pods
- Counter-Measure Systems
- Mast, Swash Plate and Gearbox Bearings
- Propulsion and Control Systems
- Refuelling Booms, Winches, APUs

### Marine

- Offshore Cranes
- Shipboard Cranes
- Rotary Tables
- Mud Pumps
- Mooring Systems
- Winches and Capstans
- Riser Assemblies
- Drilling Equipment
- Azimuth Thrusters

### Renewable Energy

- Wind Turbines
- Solar Trackers

### Stage/Film Production

- Camera Stabilisation
- Set/prop mechanisms

### Industrial/Machinery

- Canning and Bottling Machines
- Welding Positioners
- Robots
- Indexing Tables
- Stretch Wrappers/Palletisers
- Machine Tools
- Astronomy Telescope Elevation and Positioning
- Cleanroom Equipment
- Cryogenic Test Equipment
- Nuclear Handling Equipment
- Optic Lenses, Filters and Shaft Encoders
- Process Control Metrology Systems
- Robotic Painting Equipment
- Tables – Index, Rotary
- Thermal Imaging Equipment

### Mining

- Hydraulic Excavators and Shovels
- Haulage Vehicles
- Continuous Miners
- Thickeners

### Construction

- Cranes
- Excavators
- Tunnel Boring Machines
- Forestry Equipment
- Concrete Pumps

### Bulk Handling

- Stacker Reclaimers
- Ship Loaders and Unloaders
- Portal Cranes
- Conveying Systems

### Medical

- Blood Analysers
- Centrifuges
- Diagnostic Equipment
- Surgical Instruments
- Robotics

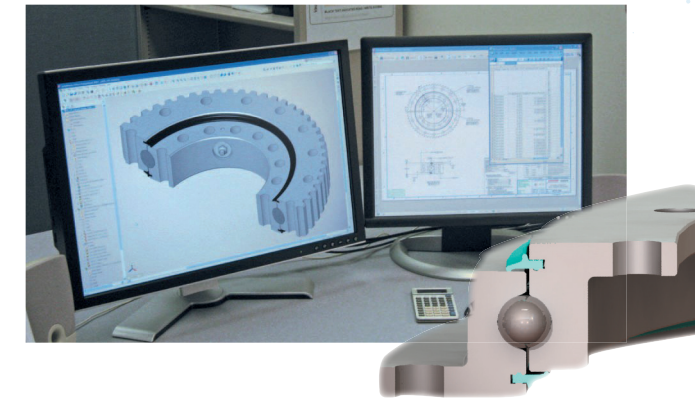
## Conveyor Bearings

The precision moulded plastic housings are made to close tolerance from high grade glass-fibre-filled thermoplastic material. The housings are tough, wear and shock resistant and resist most alkaline, low acid (pH 4-9) and salt solutions. Unlike conventional cast iron housings, their smooth surface is easily cleaned, and they will not corrode or promote the growth of micro-organisms: there is no coating to chip or scratch. Housings in stainless steel are also available



## Custom Bearings

R.A. Rodriguez (UK) Limited has been supporting customers in the design, selection, supply and installation of bearings since 1968. In industries ranging from commercial aerospace, military, motorsport, renewable and nuclear energy and many more, we are able to work with our manufacturer partners to provide custom bearing solutions. Our custom solutions can vary from modifying products from our standard catalogue range through to a bespoke design.



## Miniature Bearings

We can supply miniature bearings for shaft sizes from 1.5mm to 9mm. Chrome steel bearings, with a steel retainer and a suitable lubricant, can be used at temperatures of 120°C constant or up to 150°C intermittent. Product variants include flanged miniature bearings, stainless steel miniature bearings and stainless-steel flanged miniature bearings.



Tel: 01462-670044 Email: [info@raruk.com](mailto:info@raruk.com)

14 Old Bridge Way, Shefford, Bedfordshire. SG17 5HQ

[WWW.RARODRIGUEZ.CO.UK](http://WWW.RARODRIGUEZ.CO.UK)

[WWW.RARGEARS.COM](http://WWW.RARGEARS.COM)



R.A. Rodriguez (UK) Ltd.  
Turning Ideas Into Engineering Solutions

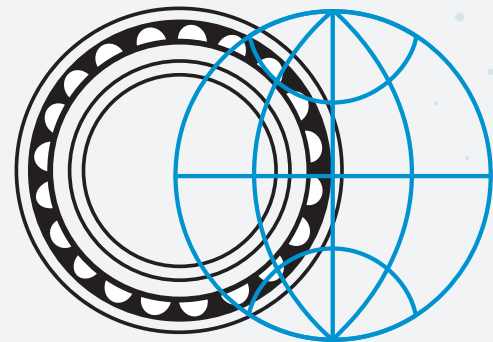
## Bearing Solutions



## R.A. Rodriguez (UK) Ltd.

Since 1968 R.A. Rodriguez (UK) Ltd has been supplying quality precision components to the best of UK and European manufacturing.

With highly qualified staff located throughout the UK, R.A. Rodriguez (UK) Ltd continue to act as exclusive representatives to a number of leading international component manufacturers from Europe, USA and Japan, all approved to the latest ISO9001 and AS9120 quality standards. We offer a high level of technical & commercial service to customers in the UK, and with the support of our dedicated sales partners, also across Europe.



# RAR

R.A. Rodriguez (UK) Ltd.

## Turntable Bearings/Slewing Rings

Our turntable bearings are available in light, medium or heavy-duty sections with a wide range of standard configurations plus advanced custom bearings to meet specific application needs.

Slewing bearings can be supplied in a variety of materials and with seals and coatings for good oil and grease resistance as well as good abrasion resistance, making them robust and proven in the toughest applications.

These bearings can be internally or externally geared or ungeared, and ensure load capability and precision to meet customer requirements.

R.A. Rodriguez can offer a range of solutions from Europe & USA.

### Standard slewing Ring/Turntable Bearings

- Diameter Range: Up to 240 inches (6.1m) outside diameter
- Available in four or eight-point ball, cross roller & 3 row roller designs
- Wire race tank turret bearings, a speciality

### Small Diameter MT Series Bearings

- 50mm – 300mm bore diameters
- Replaces kingpost style design
- Simple installation

### Reali-Slim TT® Turntable Bearings

- Diameters from 1.5 inch to 6.0 inches
- 25-inch cross section
- Stainless steel construction



## Thin Section Bearings

We supply world leading thin section bearings with a compact design making them smaller and lighter, with space and weight savings of up to 85%. With a range of precision tolerance classes for optimal precision and design flexibility, these bearings are specially designed with features that assure you of top performance in the most challenging conditions. Any bearing can be optimised to minimise friction, outgassing, contamination and even wear, without sacrificing bearing accuracy.

### Reali-Slim® Bearings

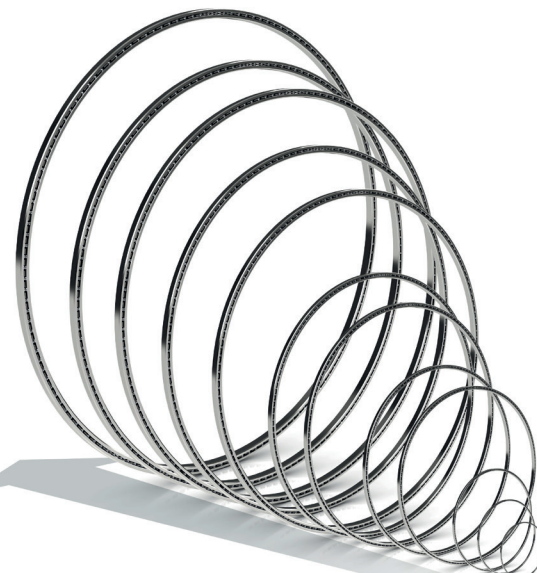
- Diameter range: Imperial – 1 inch to 40 inches bore & metric – 20 to 360mm
- Available as standard in 52100 (100Cr6) and stainless steel
- Four precision classes from ABEC 1F to ABEC 7F

### Ultra-Slim® Bearings

- Diameter range: Imperial – 1 inch to 40 inches bore & metric – 20 to 360mm
- Available as standard in 52100 (100Cr6) and stainless steel
- Four precision classes from ABEC 1F to ABEC 7F

### Reali-Slim TT® Turntable Bearings

- Diameters from 1.5 inch to 6.0 inches
- Available with gear and ungeared
- Stainless steel construction



## Aerospace and Speciality Bearings

The speciality bearings we offer have been specified by the aerospace industry for more than 60 years to reduce weight, increase payload and improve performance.

With a solid reputation for quality, the McGill® manufacturing facility has achieved NADCAP accreditation for heat treating, chemical processing and non-destructive testing methods in addition to attaining AS9100 and ISO certification.

These bearings can be manufactured in a wide range of styles, materials, sizes and precision classes.

All bearings are custom designed based on application needs.

### Aerospace and Speciality Ball Bearings

- Speciality ball bearings utilise a ball for a rolling element and can be made in a wide variety of types, sizes and materials depending on application requirements.

### Aerospace and Speciality Cylindrical Roller Bearings

- Speciality ball bearings utilise a ball for a rolling element and can be made in a wide variety of types, sizes and materials depending on application requirements.

### Aerospace and Speciality Needle Roller Bearings

- Speciality needle roller bearings are similar to cylindrical roller bearings; however, the rolling elements have a higher length to diameter ratio. These bearings have unique dimensions, materials or quality requirements.

### Aerospace and Speciality Spherical Roller Bearings

- Speciality spherical roller bearings utilise one or two rows of barrel-shaped rolling elements. These bearings can be made with or without a gear integral to the outer race.

