

# RBC Aerospace Bearings

## Unmanned Vehicle Systems

Being able to get what you need, when you need it, is a real advantage, but it's not the only reason global aerospace leaders choose RBC Aerospace Bearings.

We deliver experience, precision engineering, and superior performance with every bearing we make.

Boeing, Lockheed, Raytheon, NASA, BAE, and Northrop Grumman use RBC Aerospace Bearings to meet their critical demands. So does virtually every other major aerospace manufacturer in the world.

From quick shipping of stock items to complete custom engineered solutions, RBC delivers a choice.

### Applications

- ✿ Engine
- ✿ Electro-Optical Systems
- ✿ Landing Gear
- ✿ Actuation Systems
- ✿ Guidance Systems
- ✿ Weapon Systems



## The Broadest Range of Bearing Products in the World



- ✿ Sphericals
- ✿ Rod Ends
- ✿ Journals
- ✿ Track Rollers
- ✿ Airframe Control
- ✿ Thin Sections
- ✿ Link Assemblies
- ✿ Integrated Assemblies
- ✿ Cylindrical Roller Bearings
- ✿ Tapered Roller Bearings
- ✿ Tapered Thrusts
- ✿ Ball Screws
- ✿ Specials



Transport Dynamics  
Heim Bearings  
Schaublin  
Industrial Tectonics  
RBC Division

[www.rbcbearings.com](http://www.rbcbearings.com)  
866.RBC.AERO

# RBC Aerospace Bearing Products

**Innovation. Commitment. Quality.**

RBC has been producing bearings in the USA since 1919. In addition to unique custom configurations, RBC offers a full line of aerospace bearings, including:



## Spherical Bearings

- MS Approved to MIL-B-81820
- Boeing and Airbus Approved
- Self-lubricating • Metal-to-Metal
- Slot loaders • High temperature
- Low coefficient of friction
- Special configurations and materials



## Rod End Bearings

- MS Approved to MIL-B-81935 & 81936
- Boeing and Airbus Approved
- Self-lubricating • Metal-to-Metal
- Slot loaders • High temperature
- Low coefficient of friction
- Special configurations and materials



## Thin Section Ball Bearings

- Standard cross sections to one inch
- Stainless steel and other materials are available • Sizes to 40 inches
- Seals are available on all sizes and



## Cargo Roller Bearings

- Boeing Approved
- Features precision ground, semiground, and unground ball bearings
- Offered in caged and full complement configurations



## Journal Bearings

- MS Approved to MIL-B-81934
- Boeing and Airbus Approved
- Plain and flanged • Self-lubricating
- High temperature • High loads
- Available in inch and metric sizes



## Track Rollers

- MS Approved to MIL-B-3990
- ATF single row and ATL double row
- Sealed with lube holes and grooves
- Heavy duty cross sections



## Airframe Control Ball Bearings

- MS Approved to AS7949 (formerly MIL-B-7949) • Single and double row
- Radial, self-aligning, and pulley series
- 52100 Cad plated and 440C stainless



## Heavy Duty Needle Roller Bearings

- Pitchlign® caged heavy duty needle roller bearings
- Inner rings, T J TandemRoller® bearings for long life



## Ball Bearing Rod Ends

- MS Approved to AS6039 (formerly MIL-B-6039) • Boeing Approved
- Various shank configurations
- Low coefficient of friction



## Tapered Roller and Thrust Bearings

- Tyson® brand case-hardened in many sizes
- Used primarily in aircraft landing gear wheel systems



## Ball Screws

- Precision ground, rolled, ball splines



## Specials

- RBC manufactures many specialty bearings, custom-configured for aerospace applications



Heim Bearings	203.255.1511
Industrial Tectonics	310.537.3750
RBC Division	609.882.5050
Transport Dynamics	714.546.3131
Schaublin	+41 32.421.1300