

## RBC Aerospace Applications

**The Broadest Range of Bearing Products in the World**



### USA

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Heim Bearings Fairfield, CT

Industrial Tectonics Bearings Rancho Dominguez, CA

RBC Division West Trenton, NJ

Transport Dynamics Santa Ana, CA

### Europe

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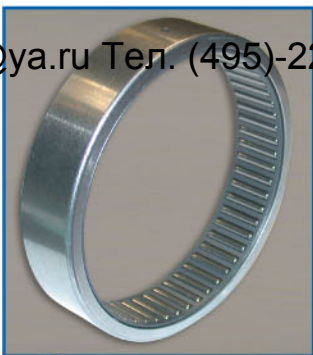
Schaublin Delémont, Switzerland



[www.rbcbearings.com](http://www.rbcbearings.com)  
866.RBC.AERO  
(866.722.2376)



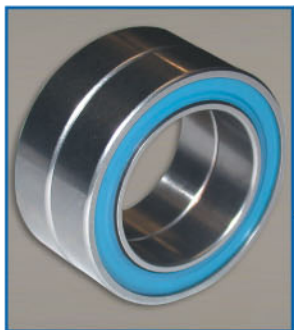
Tail Rotor Pitch Link Bearing



Main Rotor Bearing



Main Rotor Pitch Link Bearing



Tail Rotor Bearing



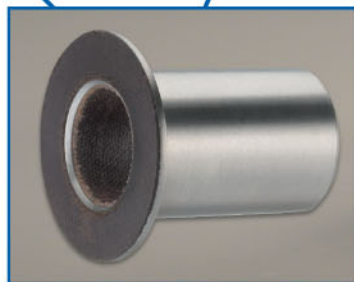
Main Rotor Swashplate Slider



Engine Bearings



Rod-end, Spherical and Journal Bearings for Landing Gear



Self-lubricating Bushings for Landing Gear



Landing Gear Bearing



Door Locking Mechanism and Landing Gear Bushings, Actuator Bearings



Radar Gimbal Thin Section



Stowage Bin Support Bearing



Airframe Control



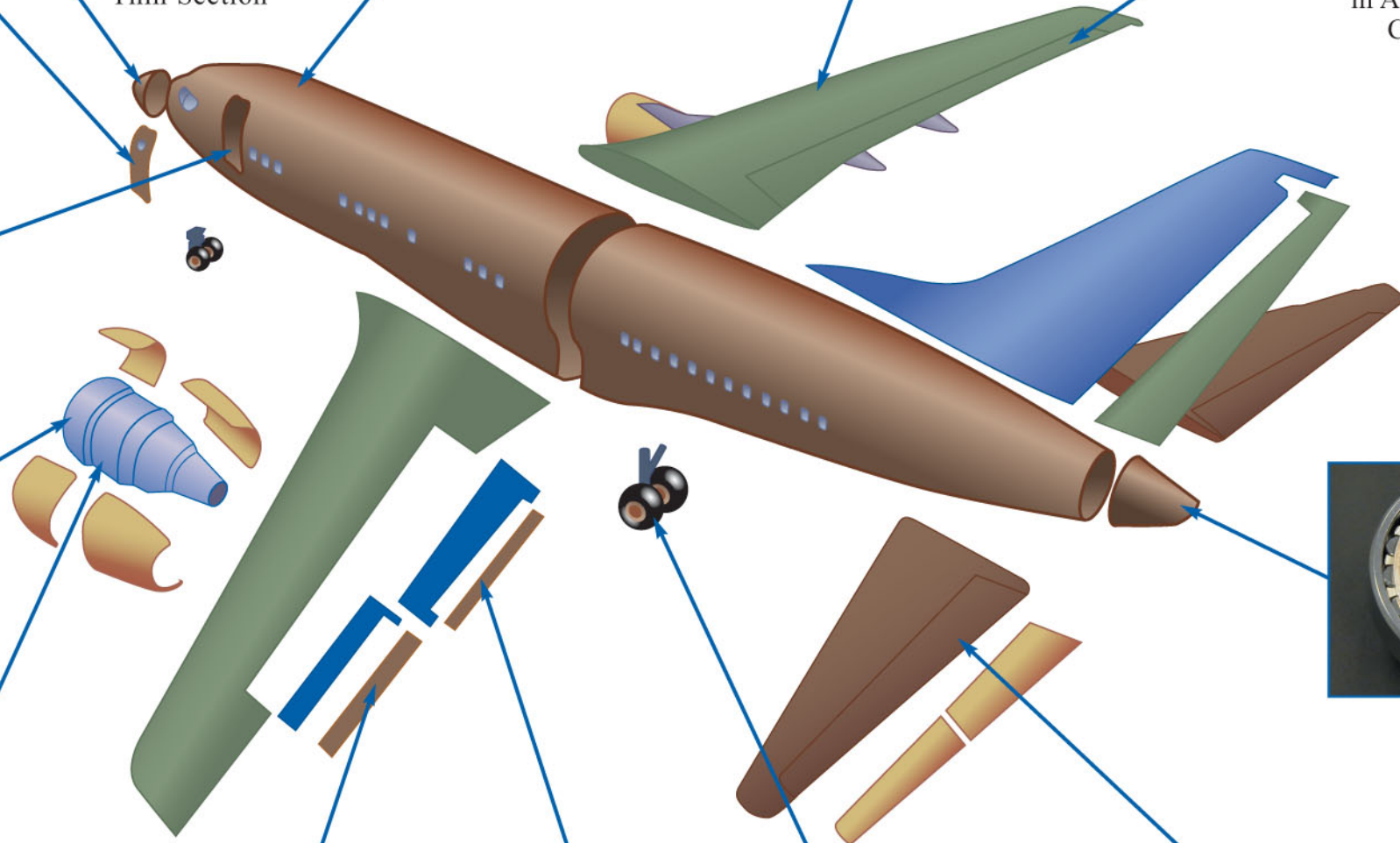
Spherical Plain and Ball Bearing Rod-ends used in Actuator and Aircraft Control Linkages



Door Linkage Bearing



Engine Bearings



APU Bearing



Thrust Reverser Linkage Bearing



Ball and Roller Rod-ends



Track Roller



Landing Gear Trunion Bearing



Horizontal Stabilizer Bearing

## Bearing Products

Roller Bearings  
Sphericals  
Rod Ends  
Journals  
Track Rollers  
Airframe Control  
Thin Sections  
Ball Screws  
Cargo Rollers  
Tapered Roller and  
Thrust Bearings  
Specials  
Integrated Assemblies

## Applications

Airframes  
Engines  
Helicopters  
Landing Gear  
Actuation Systems  
Satellites  
Missiles  
Cargo Handling



# The Broadest Range of Bearing Products in the World

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, Airbus, and NASA 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.

# 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
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