### **Bearing Products**

Roller Bearings
Sphericals
Rod Ends
Journals
Track Rollers
Cam Followers
Airframe Control
Thin Sections
Ball Screws
Cargo Rollers
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 Bearings Incorporated (RBC Bearings, RBC) has been producing bearings in the USA since 1919.

RBC offers a full line of aerospace bearings, including unique custom configurations.



### Spherical Bearings

- MS approved to AS81820 (formerly MIL-B-81820)
  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 available on all sizes and standard cross sections
- Super duplex configurations



### Journal Bearings

- MS approved to AS81934 (formerly MIL-B-81934)
- Boeing and Airbus approvedPlain and flanged Self-lubricating
- Plain and flanged Self-lubricating
  High temperature High loads
- Available in inch and metric sizes



### Airframe Control Ball Bearings

- MS approved to AS7949 (formerly MIL-B-7949)
- Boeing and Airbus approved
- Single and double row
- Radial, self-aligning, and pulley series
- 52100 cad plated and 440C stainless



### Ball Bearing Rod Ends

- MS approved to AS6039 (formerly MIL-B-6039) • Boeing approved
- Various shank configurations
- Low coefficient of friction
- Advanced AeroCres® materials available



### Ball Screws

- Precision ground, rolled, ball splinesLong life, low wear, high accuracy
- Highly engineered aerospace systems
  Range from .1875" to 8" diameter,
- Range from .1875" to 8" 64 ft. long



# Aircraft Products, Inc. Heim® Bearings Industrial Tectonics Bearings RBC Division Southwest Products Inc. Schaublin S.A. Transport Dynamics

860.482.3990 203.255.1512 310.537.3750 609.882.5050 626.358.0181 +41 32.421.1300 714.546.3131



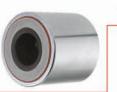
- (formerly MIL-B-81935)

   Boeing and Airbus approved
- Self-lubricating Metal-to-Metal
   Slot loaders High temperature
- Low coefficient of friction
- Special configurations and materials



### Cargo Roller Bearings

- Boeing approved
- Features precision ground, semiground,
   and unground bell beginning.
- and unground ball bearingsOffered in caged and full complement
- Offered in caged and full complement configurations



### Track Rollers

- MS approved to AS39901 (formerly MIL-B-3990)
- Boeing and Airbus approved
  ATF single row and ATL double row
- Social with lube holes and grooves
- Sealed with lube holes and grooves
  Heavy duty cross sections
- Advanced AeroCres® materials available



#### Cam Followers

- MS approved to AS39901 (formerly MIL-B-3990)
- Advanced AeroCres® materials available
- Maximum corrosion resistance
- Superior lubricants and seals to reduce maintenance



### Load Slot Bearings

- Spherical and rod end designs
- Superior ball-to-race conformity
- Reduced maintenance cost
   Veriety of rose meterials available
- Variety of race materials available



### Specials

- Many specialty bearings custom designed and configured for diverse aerospace applications
- Capability for advanced aerospace specialty corrosion resistant and high temperature materials



www.rbcbearings.com 866.RBC.AERO (866.722.2376)

© 2006 RBC Bearings Incorporated RBC 2/06

# **RBC Aerospace Applications**

## The Broadest Range of Bearing Products in the World



### USA

Aircraft Products, Inc. Torrington, CT

Heim® Bearings Fairfield, CT
Industrial Tectonics Bearings Rancho Dominguez, CA

**RBC Division** West Trenton, NJ

Southwest Products Inc. Duarte, CA

Transport Dynamics Santa Ana, CA

**Europe** 

Schaublin S.A. Delémont, Switzerland

# **RBC** Aerospace Applications

