

RBC Aerospace Applications

The Broadest Range of Bearing Products in the World



USA

Heim Bearings Fairfield, CT

Industrial Tectonics Bearings Rancho Dominguez, CA

RBC Division West Trenton, NJ

Transport Dynamics Santa Ana, CA

Europe

Schaublin Delémont, Switzerland



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



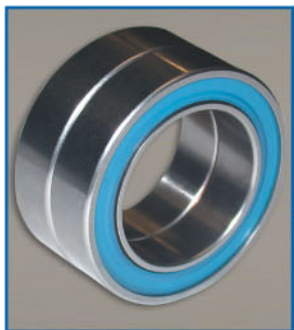
Tail Rotor Pitch Link Bearing



Main Rotor Bearing



Main Rotor Pitch Link Bearing



Tail Rotor Bearing



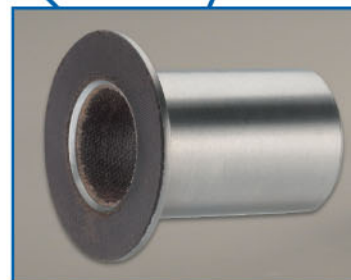
Main Rotor Swashplate Slider



Engine Bearings



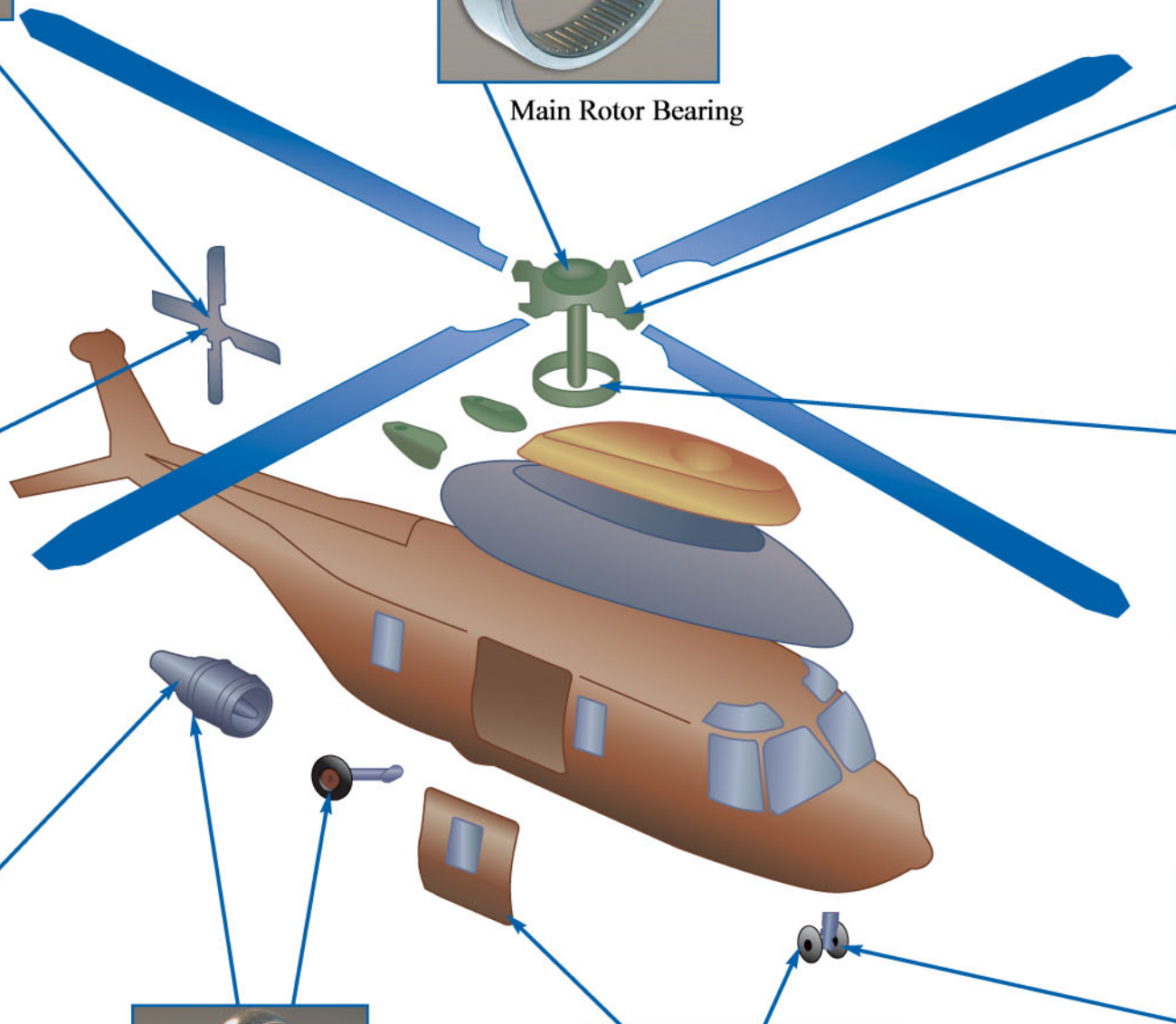
Rod-end, Spherical and Journal Bearings for Landing Gear and



Self-lubricating Bushings for Doors and



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



Thrust Reverser
Linkage Bearing



Ball and Roller Rod-
ends



Track Roller



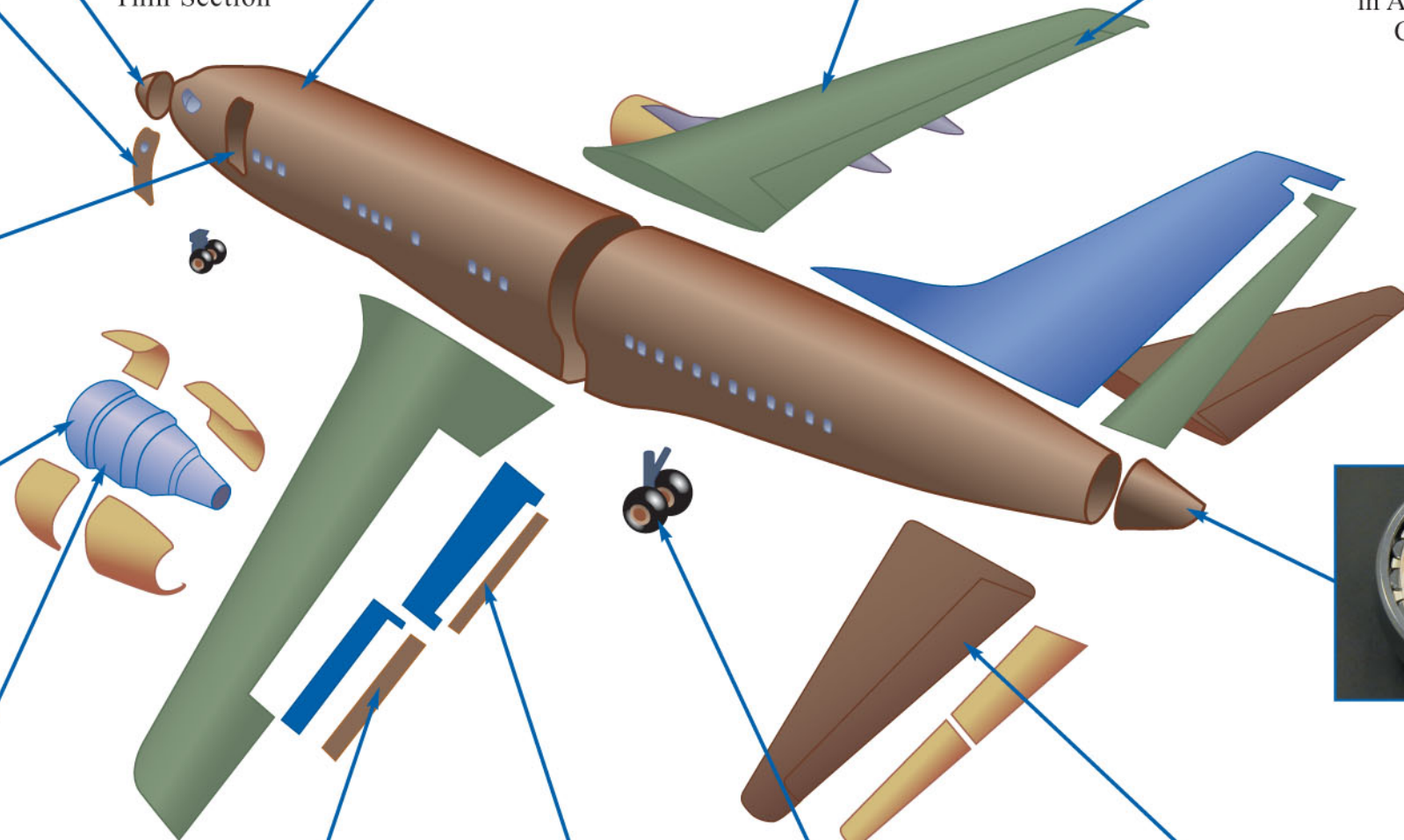
Landing Gear
Trunion Bearing



APU 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

- Pitchline® 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

Industrial Tectonics

RBC Division

Transport Dynamics

Schaublin

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