

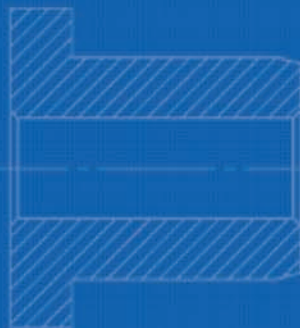
RBC[®]
AEROSPACE
BEARINGS

Allpower[™]



unique design solutions
to complex problems.

Leaders in Precision Aerospace Hardware



standard bushings.

nonstandard bushings.

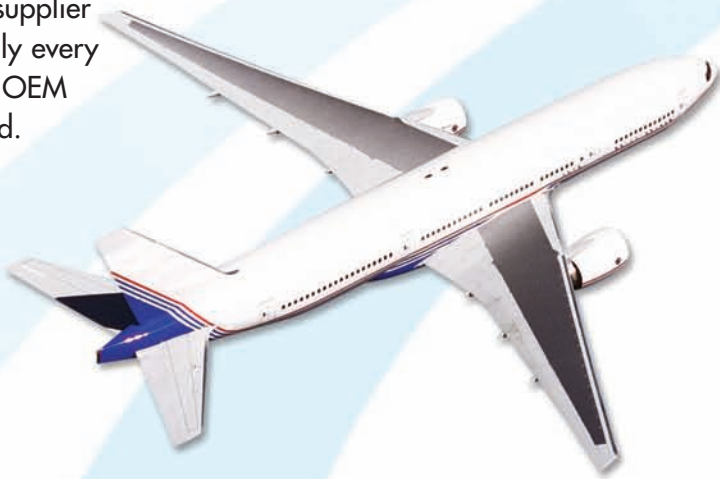
specialty parts.

www.rbcbearings.com

ALLPOWER OVERVIEW

As the largest manufacturer in the world of precision aerospace bushings, as well as spacers, sleeves, and specialty parts, Allpower is uniquely qualified to provide its customers with a level of quality, value, and service not found anywhere else.

Established in 1938, Allpower quickly became an integral part of the burgeoning aerospace industry. Our commitment to excellence fueled our growth, and today, we are an approved supplier to essentially every aerospace OEM in the world.



ALLPOWER PRODUCTS

Airframe, landing gear, and engine manufacturers, as well as their sub-contractors, rely on us to address new challenges. As we meet these challenges, the scope of our product mix continuously expands. As a result, although we have long been known as the industry leader in the production of “standard” aerospace bushings, this is just a part of Allpower’s overall product range. We are also the first choice of many companies for nonstandard and proprietary bushings, spacers, sleeves, and specialty parts.

As our product group has expanded so has our ability to work with a comprehensive range of materials. From standard to exotic elements, we are proficient working with stainless steel, carbon steel, Monel[®], beryllium copper, Inconel[®], titanium, aluminum and aluminum bronze, cobalt, and engineered plastic.

*Inconel[®] and Monel[®] are registered trademarks of Special Metals Corporation.

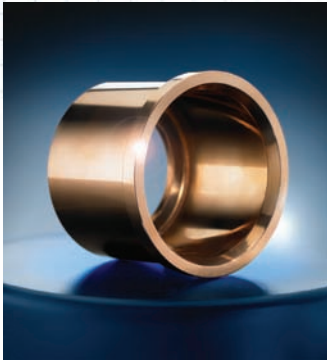


Allpower™



STANDARD BUSHINGS

ALLPOWER MANUFACTURING



To maintain our leadership position, it is vital that we stay at the forefront of manufacturing technology. At Allpower, we invest aggressively in our manufacturing processes and utilize only state-of-the-art precision machinery and measurement instruments. Consequently, close tolerances to +/- .0001 of an inch are achievable and repeatable in our production environment.

Our ability to work to such precise tolerances led to the development of our revolutionary *Final Sizing Process*. Final Sized bushings are manufactured to the final size a customer requires, providing dramatic cost savings by eliminating expensive tooling, jigs, fixtures, and the costly process of assembly, reaming, and honing.

We have also been aggressive in adopting new manufacturing processes such as Continuous Quality Improvement, Cellular Manufacturing, and Lean Manufacturing. These programs allow us to maximize our technological advantage, reduce our costs, and offer improved value to our customers.



Allpower™



NONSTANDARD BUSHINGS

ALLPOWER QUALITY



Our commitment to quality is straightforward – provide defect-free parts on time. To do so, we start with trained and motivated people and ensure that they have the best equipment, materials, and resources available.

We then refine our production systems to create an environment of production excellence, defect elimination, and continuous improvement.

The Allpower Advanced Quality System (AQS) encompasses a variety of quality programs, including Quality Productivity Improvement Teams, Continuous Quality Improvement, Total Quality Management, and Statistical Process Control.

Our numerous quality systems approvals include D1-9000, BAE, ISO 9002, and Lockheed Martin SPC.

ALLPOWER LEADERSHIP

At Allpower, we will always see challenges as opportunities. We will continue to regard our customers as partners. And, we will maintain our leadership role in the development of superior manufacturing processes, cost reduction programs, and quality products for aerospace companies around the world.



Allpower™



SPECIALTY PARTS

RBC Aerospace Bearing Products

RBC Bearings Incorporated 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



Rod End Bearings

- MS approved to AS81935 (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



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



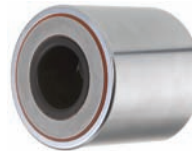
Cargo Roller Bearings

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



Journal Bearings

- MS approved to AS81934 (formerly 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 AS39901 (formerly MIL-B-3990)
- Boeing and Airbus approved
- ATF single row and ATL double row
- Sealed with lube holes and grooves
- Heavy duty cross sections
- Advanced AeroCres® materials available



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



Cam Followers

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



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



Load Slot Bearings

- Spherical and rod end designs
- Superior ball-to-race conformity
- Reduced maintenance cost
- Variety of race materials available
- Boeing approved



Ball Screws

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



Specials

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



Innovation. Commitment. Quality.

www.rbcbearings.com

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