

A close-up photograph of an aircraft wing, showing the leading edge and the upper surface, set against a clear blue sky.

EXPERIENCE THE DIFFERENCE

AEROSPACE AND SPECIALTY BEARINGS

Find out why McGill® bearings have been the choice for aerospace and custom bearings for 60+ years.



Experience the difference in...

TECHNICAL SUPPORT

All aerospace and specialty bearing applications introduce new challenges. They demand innovation. McGill® bearings consistently deliver. Bring us your concepts and performance goals for bearings. Our engineering and manufacturing teams always aim to exceed expectations.

CUSTOMER CARE

Critical bearing applications require customer service that is "above and beyond," and that is what you'll experience with Regal. We strive to anticipate your needs. We understand there is no room for second place. Our sales and service team sets the industry standard for professionalism when it counts most. Our files are filled with letters of appreciation attesting to our follow-through. We are eager to prove why.



Two-row, angular contact ball bearing for a helicopter gearbox



Needle bearings for aircraft gearbox applications.

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SPECIALTY DESIGNS

Many of today's custom bearing solutions for commercial passenger jets are the result Regal innovations in McGill® bearings.

Just a few include:

- Ball and roller bearings for auxiliary pumps.
- Corrosion-resistant ball bearings for control systems.

The performance of helicopters has also been advanced, with lightweight bearing designs that allow increased payload, without sacrificing durability. Examples include:

- Spherical roller planetary bearings for transmissions.
- Ball and roller bearings with various integral anti-rotation devices, such as flanges, slots and tabs.

Special bearing applications demand a special partner who listens to your requirements and delivers solutions that take technology to a new level. The special partner to assist with your strict requirements such as smaller size, lighter weight, greater strength, greater resistance to heat, and wear and corrosion is the McGill® bearings team at Regal. We invite you to experience the difference of working with our team to achieve your goals.

To learn more, contact a bearing specialist at mcgillaerospace@regalbeloit.com



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APPLICATION CONSIDERATIONS

The proper selection and application of products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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BEARING TYPES INCLUDE:

- Ball Bearings
- Cylindrical Roller
- Needle Roller
- Spherical Roller
- Track Rollers and Cam Followers
- Cylindrical Thrust
- Roller Sets



HELICOPTER

Applications include:

- Hydraulic Systems
- Gearboxes
- Rotor Heads
- Seats and Doors

Fixed-wing

- Auxiliary Power Units
- Control Mechanisms
- Flaps and Slats
- Gearboxes
- Hydraulic Systems
- Seats and Doors
- Starters

Industrial and Military

- Can Making Equipment
- Missile Systems
- Paper-Converting Equipment
- Precision Positioning Equipment
- Specialty Corrosion Resistant
- Specialty Gearboxes
- Specialty Non Lubrication
- Weapon Systems