

# Specialty Bearing Solutions from RBC

## Polymer wrapped bearings for increased performance and reduced maintenance

RBC's **NICE® Ball Bearing**, has the engineering technology and abilities to create unique bearing solutions to tackle the most complex and troublesome applications. Used across a variety of industries, RBC specialty ball bearings wrapped in various polymer materials can reduce metal on metal wear, protect finished production parts or eliminate the need for lubrication. Radial or thrust bearings can be manufactured to many different bore configurations or fitted on studs. RBC can apply crowned, flat or profiled outside diameters.

Consult with your local RBC Sales Engineer today for all your friction management products that will help increase productivity, extend bearing life and reduce downtime.

### Industries

- ✓ Beverage Bottle/ Can Production
- ✓ Material Handling
- ✓ Packaging and Processing
- ✓ Bakeries
- ✓ Dairies
- ✓ Pork, Poultry, Beef and Fish Processing
- ✓ Glass Bottle Inspection
- ✓ Agricultural



*The specialty ball bearing industry turns to RBC...*





BEARING FEATURES	OPTIONS
<b>Bore</b>	Press fit, locking collars, hex bores, or on a stud
<b>Outside Diameter</b>	<ul style="list-style-type: none"><li>• Profiled, crowned, or cylindrical OD</li><li>• Injection mold, press fit, or compression cast</li><li>• Variety of polymers</li></ul>
<b>Seals</b>	Open, sealed or shielded to match the application requirements
<b>Grease</b>	Greased for life, industrial or food grade














***Smoother. Faster. Longer.***  
*Because That's How We Roll.*

RBC Bearings® has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC Bearings® offers a full line of standard industrial and aerospace bearings, including:

## Specialty Cam Followers and Bearings for Material Handling:

 <p><b>Ball Transfer Unit</b> <i>for Transfer Decks on Terminals</i></p> <p>Unique one-piece cup &amp; hardened bearing-quality steel ensures unrivaled performance &amp; wear. Increased cross section places more mass in load zone &amp; improves load-carrying capability.</p>	 <p><b>ER Series</b> <i>for Conveyor Pulleys</i></p> <p>Metric OD, radial extended inner ID &amp; OD bore, faces bore range: 5/8" to 1-15/16". Also available non-coded.</p>	 <p><b>Necker Bearing</b> <i>for Can Making Neckers</i></p> <p>Extends life 2x of standard Necker Cam Followers. Eliminates the need to lubricate the bearing and saves the plant on maintenance, grease and energy.</p>
 <p><b>Ball Bearing Track Runner</b> <i>for Guard Rail Systems</i></p> <p>Full complement Track Runner recommended for moderate loads. Full complement of balls with zinc plating for corrosion protection and hex head for ease of mounting.</p>	 <p><b>1600™ Ball Bearing</b> <i>with Polyurethane Tire for Bottle Inspection Machinery</i></p> <p>Ground precision ball bearing with molded polyurethane tire, greased for life. High speeds—up to 5,000 rpm. Easy-to-use inch dimension.</p>	 <p><b>U Shape Ball Bearing</b> <i>for Braiding Machines</i></p> <p>Ground precision ball bearing with u-shape pulley design. Recommended for up to 5,000 rpm and low friction PTFE Seals.</p>

 <p><b>Keyless Locking Devices</b></p> <p>Mechanical bushings used to connect power transmission components onto rotating shafts. Without the use of keyways, KLDs eliminate the problems associated with backlash including fretting, corroding, and wallowing.</p>	 <p><b>Needle Roller Bearings</b></p> <p><b>Pitchign®</b> caged heavy duty needle roller bearings ideal for cross head bearings applications. These double row bearings are available in single row and <b>TandemRoller®</b> versions.</p>	 <p><b>Self-Lubricating Bearings</b></p> <p>Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. <b>Fiberglide®</b> self-lubricating bearings.</p>
 <p><b>Spherical Plain Bearings</b></p> <p>Radial, angular contact, extended inner ring, high misalignment. <b>QuadLube®</b>, <b>ImpactTuff®</b>, <b>SpreadLock® Seal</b>, <b>CrossLube®</b>, <b>DuraLube™</b>, and self-lubricating bearings. Available in inch and metric sizes.</p>	 <p><b>Tapered Roller Bearings</b></p> <p>Single, double, &amp; multi row versions available for main bearing positions in mud pumps, gear boxes, etc. Bearings are constructed of case hardened steel washers and rollers with bore size of 1 1/2" or greater.</p>	 <p><b>Commercial Rod Ends</b></p> <p>Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the <b>Heim®</b>, <b>Unibal®</b>, and <b>Spherco®</b> names. Available in inch and metric sizes.</p>
 <p><b>Thin Section Ball Bearings</b></p> <p>Standard cross sections to one inch. Bore sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations.</p>	 <p><b>Ball Bearings</b></p> <p>Precision ground, semiground, unground. High loads, long life, smooth operation. <b>Nice®</b> branded products are offered in caged and full complement configurations.</p>	 <p><b>Cylindrical Roller Bearings</b></p> <p>Cylindrical roller bearings designed for mud pump pinion and eccentric positions. Fully interchangeable to industry standards.</p>
	 <p><b>Cam Followers</b></p> <p>Standard stud, heavy stud, yoke type, caged roller followers. Patented <b>RBC Roller®</b> cylindrical roller cam followers, <b>HexLube®</b> universal cam followers, airframe track rollers.</p>	 <p><b>Specials</b></p> <p>RBC Bearings® manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.</p>