

Eliminating Problems Associated with Corrosion Contamination in the Beer & Ale Industry

Climax 316 stainless steel shaft collars provide for a locking solution that eliminates the likelihood of contamination from corrosion in an environment where frequent wash-downs are common and downtime is costly.



Suitable For Applications:

- Where frequent wash-downs are common
- In both food and bottle processing facilities where contamination is a factor
- When processing materials pose a higher risk to corrosion

At the end of 2017 there were approximately 8,000 breweries in the United States according to America's Beer Distributors website (nbwa.org). The estimated current market value of the beer industry is \$114 billion dollars. As consumers continue to demand this popular beverage, breweries will need to maintain and replace equipment in order to keep up with production. Corrosion in breweries continues to prove challenging to this industry. Choosing the wrong metals can have an impact on flavor, can cause contamination in the product, and consequent downtime.

Climax offers a solution to the corrosion problems that persist at breweries. Climax shaft collars manufactured from 316 stainless steel are extremely corrosion resistant making them ideal for applications in the harsh environment of the brewing industry. Since stainless steel is easy to sanitize, is inert to beer and corrosion, and is proven durable, it is considered the industry standard for brewing facilities worldwide.

Offered in both two-piece clamping collars CR2C-Series and set screw collars CRC-Series styles, Climax has a full assortment of sizes ready to ship from stock providing a solution to the harsh environments common in the Beer & Ale Industry. For more information on how 316 stainless steel shaft collars can help with corrosion contamination, contact a Climax engineer.



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



Tapered Roller Thrust Bearings

Case-hardened tapered roller thrust bearings for oilfield top drives and swivels. Available in full complement, maximum capacity versions.



Cylindrical Roller Bearings

Cylindrical roller bearings designed for mud pump pinion and eccentric positions. Fully interchangeable to industry standards.



Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. **QuadLube**®, **ImpactTuff**®, **SpreadLock**® Seal, **CrossLube**®, **DuraLube**™, and self-lubricating bearings. Available in inch and metric sizes.



Keyless Locking Devices

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.



Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. **Fiberglide**® self-lubricating bearings.



Ball Bearings

Precision ground, semiground, unground. High loads, long life, smooth operation. **Nice**® branded products are offered in caged and full complement configurations.



Thin Section Ball Bearings

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.



Needle Roller Bearings

Pitchline® caged heavy duty needle roller bearings ideal for cross head bearings applications. These double row bearings are available in single row and **Tandem Roller**® versions.



Tapered Roller Bearings

Single, double, & 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 11" or greater.



Lubron® Bearings

Lubron® self-lubricating bearings designed and custom manufactured in most any size, material and bearing configuration. Applications include hydro power and water control, nuclear power generation, infrastructure, architecture, offshore marine, industrial, machinery and heavy equipment.



Rigid Couplings

Shaft couplings serve as components to time, join, or align shafts at lower speeds and torque, especially when zero backlash is desired. Made from mild steel with a black oxide finish, type 303 stainless steel, or aluminum. Available in inch and metric sizes.



Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented **RBC Roller**® cylindrical roller cam followers, **HexLube**® universal cam followers, airframe track rollers.



Commercial Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the **Heim**®, **Unibal**®, and **Spherco**® names. Available in inch and metric sizes.



TP Series Bearings

RBC's TP Series cylindrical roller thrust bearings ideal for crane hooks, oil well swivels, winch systems, and gear boxes. Fully interchangeable with industry standard offering.



Shaft Collars

Used to position or locate a component on a shaft. Made from mild steel, type 303 or 316 stainless steel, aluminum, or acetal. Available in inch and metric sizes.



Specials

RBC manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.



PIC Design

Complete line of precision gears, precision hardware, timing belts, pulleys, and linear motion systems. Industries served include industrial, aerospace, defense, medical, robotics and automation, material handling, and assembly. Custom design support for unique applications.