

RBC Bearings

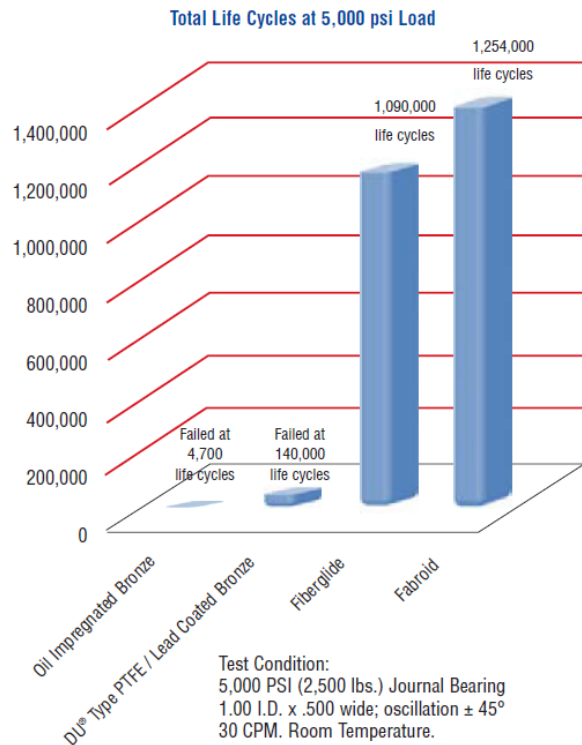
Maintenance Free Journal Bearings

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Produced by RBC Transport Dynamics



Industrial Bearing Life Testing Cycles to Failure vs. Bearing Type



Engineered Design Solution

For years RBC Transport Dynamics has serviced the needs of industrial applications with maintenance free, self-lubricating journal bearings, that offer high performance and extended operational life.

- Available in steel, stainless steel, aluminium, and non-metallic.
- Liner options available: Fiberglide®, Fabroid®.

Performance Benefits

- Highest load capacity
- Maintenance free (self-lubricating)
- Environmentally friendly
- Low coefficient of friction
- Cost savings in Pin processing
- Operating temperature range from -196°C to +176°C
- Extends operational life by 7-10 times

Typical Applications

- Commercial vehicles
- Agricultural
- Recreational
- Marine
- Packaging / processing
- Material handling
- Solar panels
- General industrial
- Valves



World Leader in self-lubricating liner systems™



SCHAUBLIN

ISO9001
EN9100

IRIS
EN9120

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RBC Bearings

Innovation, Commitment, Quality

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:



Spherical Plain Bearings

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



Needle Roller Bearings

Pitchlign® caged heavy duty needle roller bearing, inner rings, **TJ TandemRoller®** bearings for long life.



Thin Section Ball Bearings

Standard cross sections to one inch. Sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations.



Self-Lubricating Bearings

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



Tapered Roller Bearings

Tyson® case-hardened and through-hardened tapered roller bearings. Available in many sizes. Used in Class 8 heavy truck and trailer wheel bearings, gearboxes, and final drive transmissions.



Airframe Control Bearings

Ball bearing types, self-lubricating types, needle roller track rollers.



Tapered Roller Thrust Bearings

Case-hardened. Sealed and unsealed for truck, tractor, and construction equipment steer axles, and Class 8 trailer landing gear.



Dowel Pins, Loose Needle Rollers, Shafts

Precision Products dowel pins, loose needle rollers, and shafts.



Integrated Assemblies

For robots and other process tool applications. Engineering design assistance. Production volume capacity.



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.



Cam Followers

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



Ball Bearings

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



Ball Pin Plain Bearing Assemblies

Self-lubricating types, greased plain bearings, sealed. High loads, high vibration resistant, long life. **BEiT™** and **CTA™** configurations available.



Specials

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