

RBC Bearings

The Best in Class Coil Tube Injector Bearing

RBC's experience in the design and production of bearings for coil tube injectors is second to none. Our DTJ-75121-12 incorporates many improved features over competing designs.

TJ Design

RBC's patented TJ design provides the best of both worlds with respect to operating loads and speeds. With two rollers per cage pocket, RBC's TJ design delivers more load carrying capability than competitor's standard, caged, needle roller bearings.

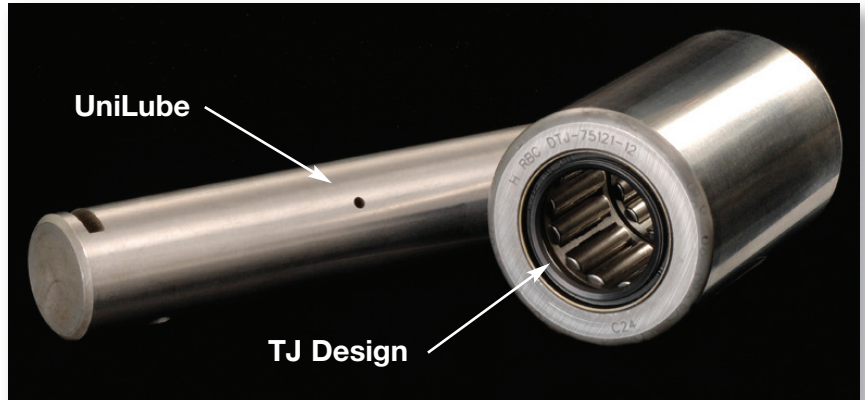
The RBC TJ design significantly reduces the "roller scrubbing" that plagues full complement bearings. "Roller scrubbing" dramatically increases operating temperatures, which in turn causes a premature breakdown of bearing lubrication. Once the lube film breaks down, the rollers and raceways "micro-weld" and trade material, causing rapid bearing failure.

This is important as "skate bar" replacement is time consuming and expensive!

UniLube Design

Some coil tube injector bearings have lube holes IN THE RACEWAY of the bearing, which dramatically increases the chance of introducing "stress risers" in the roller path. RBC's "UniLube" design locates the hole between the roller paths which ensures that both raceways receive grease evenly, and from the inside out.

The RBC "UniLube" feature ensures a good purge and is "best in class".



Coiled Tube Injector Rig

ToughFrac

Let's face it, the only fracking you want to see is in the well you're servicing! The RBC "ToughFrac" outer ring has optimized metallurgical properties to maximize impact toughness. The shaft is also a carburizing grade material that endures high shock loads.

No Fracture Failures = No Downtime.



800.356.6584

www.rbcbearings.com

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 bearings. Available in inch and metric sizes.



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. Inch and metric.



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.



Tapered Roller Thrust Bearings

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



Integrated Assemblies

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



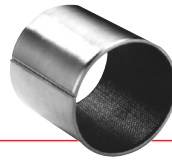
Cam Followers

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



Needle Roller Bearings

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



Self-Lubricating Bearings

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



Airframe Control Bearings

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



Dowel Pins, Loose Needle Rollers, Shafts

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



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.



Large Ball and Cylindrical Roller Bearings

Ball and cylindrical roller bearings up to 60 in. (1.5 m) O.D. Tapered roller and tapered roller thrust bearings up to 36 in. (9.1 m) O.D. Slewing rings up to 169 in. (4.3 m) O.D.



Ball Bearings

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



Specials

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