

RBC Industrial Applications

The Superior Advantage



Industries Served

Construction

Mining

Material Handling

Semiconductor

Robotics

Automation

Wind Energy

Oil and Gas

Transportation

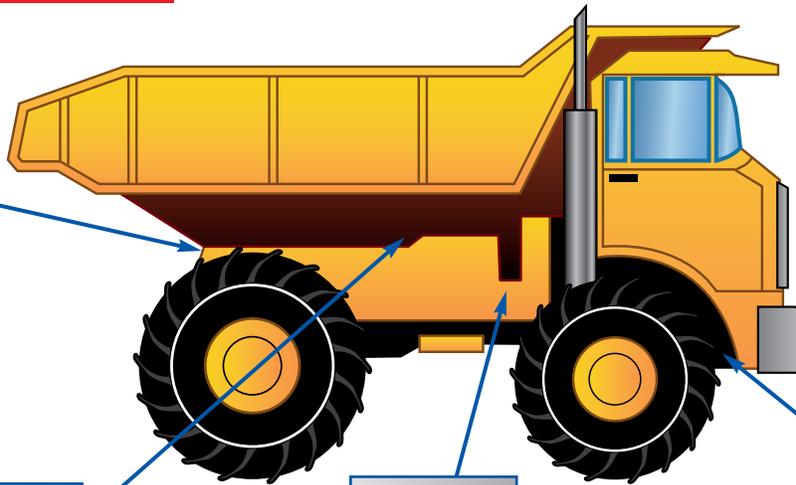


www.rbcbearings.com
800.390.3300

Mining Haul Truck



ImpactTuff®
Spherical Plain Bearings
for Shock Absorbers



Spherical Plain Bearings
with SpreadLock® Seals
for Body Lift Cylinders

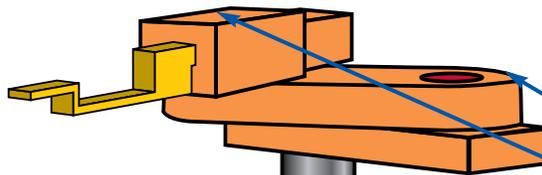


QuadLube®
Spherical Plain Bearings
for Nose Cone Pivots

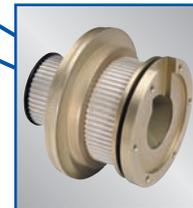


Spherical Plain Bearings
for Steering Linkages

Semiconductor Wafer Handling Robot



Thin Section
Ball Bearings for
Robot Waists



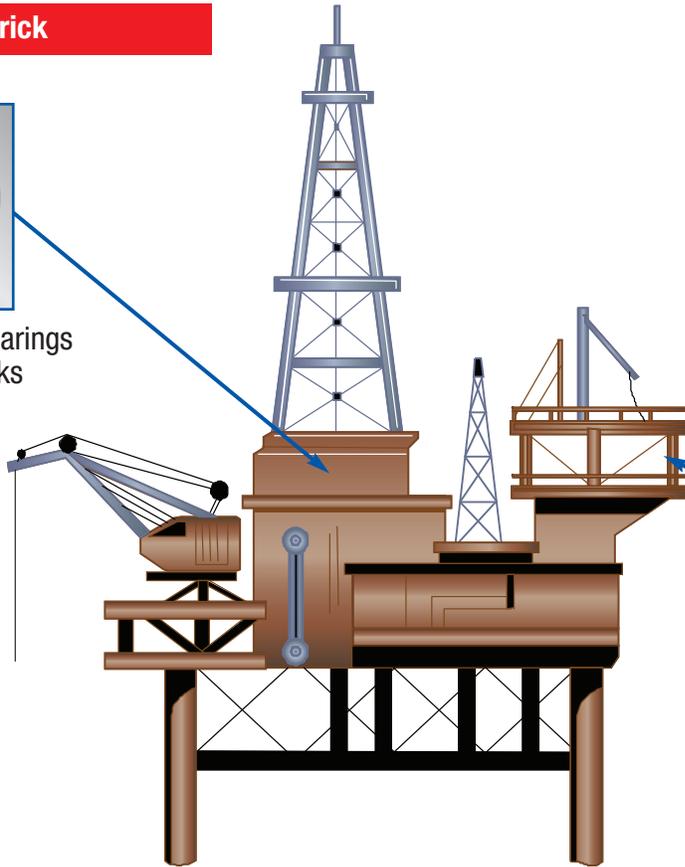
Integrated Assemblies
for Robot Wrists
and Elbows

RBC Industrial Applications

Oil Derrick



Heavy Duty Roller Bearings
for Pumping Jacks



RBC Roller® Cam Followers
for Pipe Racking Systems

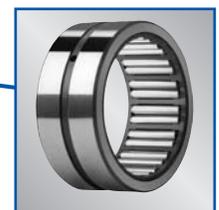
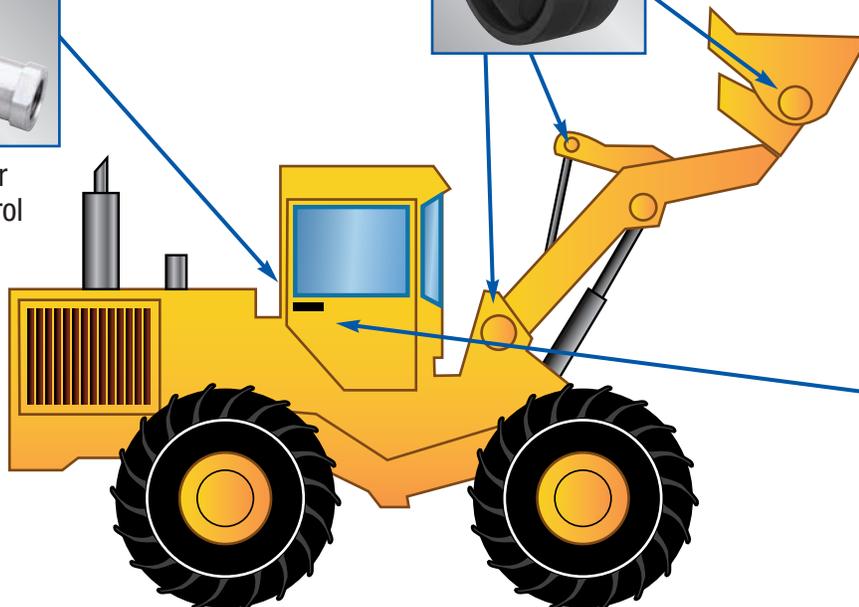
Construction Bucket Loader



Rod Ends for
Throttle Control
Linkages

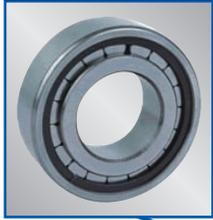


QuadLube® Spherical Plain Bearings
for Bucket Hydraulic Cylinder and Arm Pivots

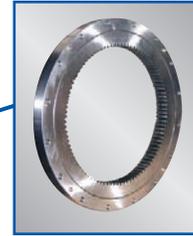
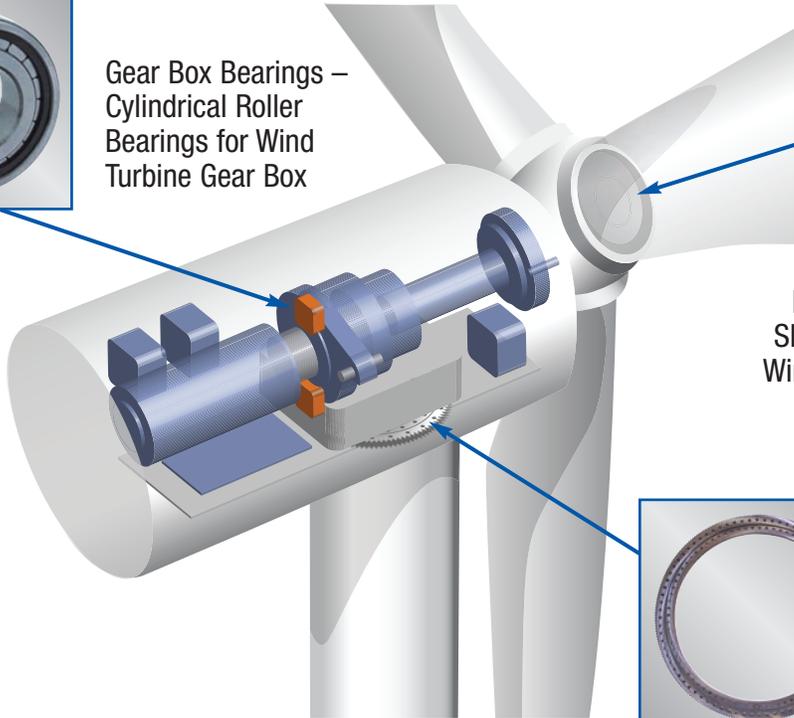


Heavy Duty Roller Bearings
for Hydraulic Pumps

Wind Turbine



Gear Box Bearings –
Cylindrical Roller
Bearings for Wind
Turbine Gear Box

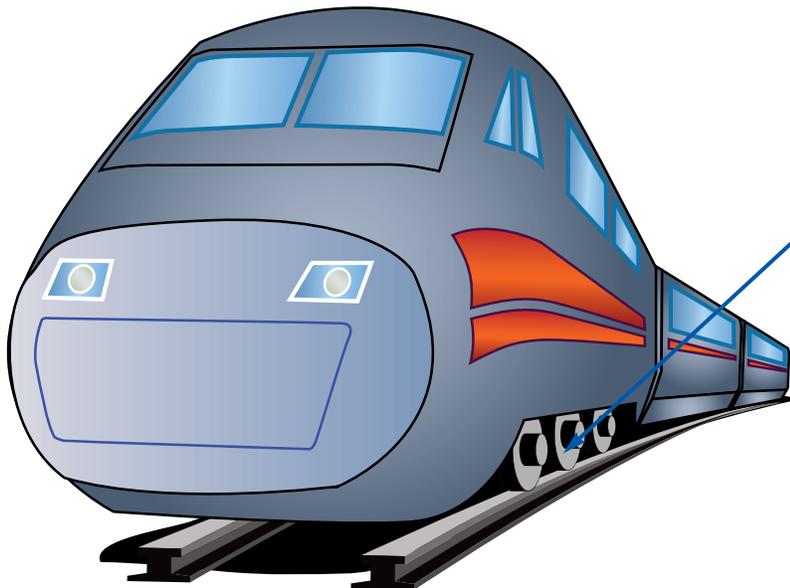


Pitch/Blade Bearings –
Slewing Ring Bearings for
Wind Turbine Blade Position



Yaw Bearings –
Slewing Ring
Bearings for
Wind Turbine
Yaw Position

High Speed Train



Self-lubricating Bearing Assemblies
for Torsion Bar Links
and Anti-roll Bar
Connecting Rods



Bearing Products

Spherical Plain Bearings
Thin Section Ball Bearings
Tapered Roller Bearings
Tapered Roller Thrust Bearings
Integrated Assemblies
Cam Followers
Needle Roller Bearings
Self-Lubricating Bearings
Airframe Control Bearings
Dowel Pins,
Loose Needle Rollers, Shafts
Commercial Rod Ends
Ball Bearings
Custom Engineered Designs

The Best Bearing for the Application

Quality and innovation have been the hallmarks of RBC Bearings since its founding in 1919. Today, RBC manufactures highly-engineered, precision bearings for the industrial, aerospace, and defense markets. Our product focus demands continuous research, testing, and development of the best product for specific applications.

RBC Bearings is publicly-traded (Nasdaq: ROLL) with facilities located throughout North America and Europe. The company has employees around the world, and is supported by a global network of sales engineers, distributors, and authorized agents.

Innovation. Commitment. Quality.

RBC Bearings 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.



Needle Roller Bearings

Pitchlign® caged heavy duty needle roller bearings, 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 followers. Patented **RBC Roller**® cylindrical roller cam followers, **HexLube**® universal cam followers, 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.



Specials

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