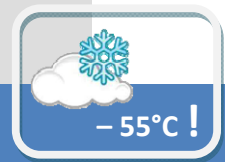


RBC Bearings

Light Rail bearing solutions



Linkages and Coupler BEARINGS for Light Rail System

Background

- RBC-Schaublin is well known for developing and supplying plain bearing solutions for the railway market
- The RBC product is a reference in term of bearing performance, especially where the application need to perform in severe environments with vibrations, reverse loads, dust contamination and humidity, at high levels of strain

A Performance Solution

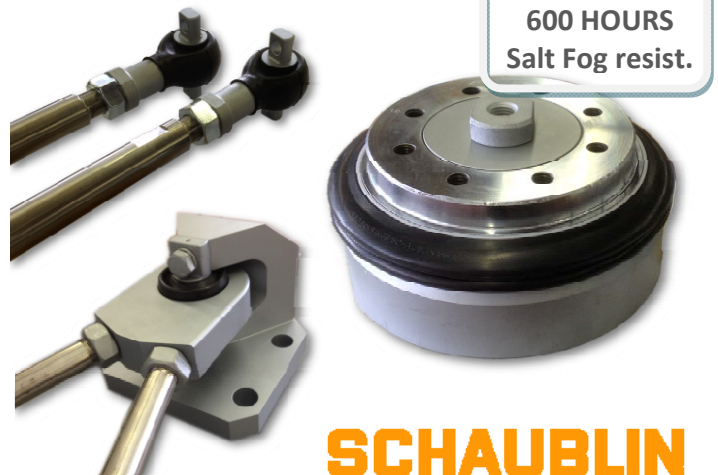
- RBC-Schaublin bearings benefit from the advanced liner systems developed by RBC-Bearings, inventor and leader in liner technology
- The self-lubricating liner operates on an appropriate sliding surface, creating a PTFE lubricant film at the sliding interface of the bearing
 - Low coefficient of friction
 - Very low wear rate at high load levels in oscillatory conditions
 - High static strength and increased stiffness
 - Excellent behavior in vibratory conditions due to the inherent damping qualities of the woven fabric liner
- Appropriate surface coating providing a performance protection compliant to the 600 hours salt fog requirement
- The patented boot seals have an incomparable sealing performance and are providing an efficient protection against the most severe environmental contamination

Typical applications

- Tramway system coupler and gangway
- Lower and upper coupler assemblies
 - Low floor car coupler
 - Suspension, damper joint
 - Tilt mechanism and actuation bearing

Certified supplier

- RBC-Schaublin is approved by numerous major companies in the railway and aerospace industry
- ISO9001, EN9100, SNCF AQF-2 approved supplier
- RBC-Schaublin develops highly engineered products to customer specifications



High pressure Water spray test
100 bar (1.45 ksi)



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, semigrind, 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. **SFzT™** and **CTR™** configurations available.



Specials

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