

RBC Spherical Plain Bearing Mining Solutions

Common Haul Truck Applications



Is Your Mine Operating at Peak Efficiency?

At RBC Bearings, we are aware of how important heavy haul trucks are to the mining industry. They boost productivity, increase turnover rates, and lead to better profitability. Uptime is critical for this application and RBC offers solutions for your spherical plain bearing (SPB) needs.

As the market leader in SPB innovation and design, RBC has the ability to replace your bearings with equivalents to the original or to provide an upgraded version for improved life.

Using inferior bearings could shut down your mine. Make the right choice and specify RBC Bearings. Together, we can determine the best bearings for your application—from the quality and performance of our catalog items to the premium levels of QuadLube®, ImpactTuff®, and SpreadLock® seals, to name only a few.

Upgrading Haul Truck Applications with RBC Spherical Plain Bearings

Panhard/Draglinks

QuadLube®

Struts

QuadLube®, ImpactTuff®



Body Lift Cylinders

SpreadLock®
Seals

Nose Cone Main Body Pivot

QuadLube®

Steering Linkage

QuadLube®,
ImpactTuff®



RBC Spherical Plain Bearings Built for Tough Applications



Smoother. Faster. Longer.
Because That's How We Roll.

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

Lubrication Problems, Premature Wear, Short Life?

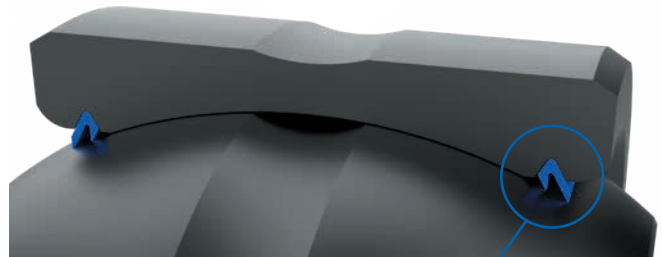
Upgrade to the RBC patented QuadLube®! Our lubrication groove system in the QuadLube® transports more lubrication into the bearing load zone. This system extends the life of the bearing 2-3 times, by reducing metal-to-metal contact. Adding seals to the bearing will also prevent debris from entering the bearing load zone and reduces the abrasive wear.



Abrasive Wear, Hard Particle Contamination, Early Bearing Failures?

Upgrade to RBC SpreadLock® Seals! The SpreadLock® seal offers unique double positive contracting seal lips that prevent external contaminants and debris from entering, while keeping lubricant in the bearing for improved life.

If standard seals are not tough enough for your application, request SpreadLock® seals from RBC.



Lube reservoir provides second line barrier against contamination.

Stiff scraping lip keeps contaminants out.

High Impact Loading, Worn Housings, Fractured Bearings?

Upgrade to RBC's patented ImpactTuff®! ImpactTuff® technology has been proven to withstand harsh abuse from rocks and abrupt terrain changes.

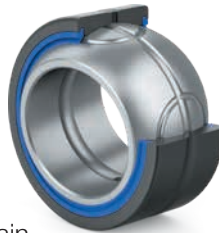


These durable spherical plain bearings are carburized and combine a hard exterior wear surface with a ductile inner core. This successful combination effectively absorbs impact and prevents fractures.

If early bearing failure due to fractured races is slowing down your productivity, contact RBC today and ask for ImpactTuff® bearings.

Is Corrosion Rubbing You the Wrong Way?

Upgrade to RBC's hard chrome plating. Operating in harsh environments can take their toll on bearing wear surfaces, especially the ball of spherical plain bearings. Corrosion can significantly increase the rate of wear within your bearing, causing premature failure. RBC's thin dense chrome plating protects the bearing against corrosion, thereby providing longer life.



RBC Bearings Fit Your Needs!

New designs, equipment from overseas, hard-to-find parts? RBC has a solution for you! RBC will work with you to create special SPBs that will fit your particular application. Provide RBC with a drawing or details, and a solution will be offered. In addition, RBC has many OEM interchanges available to help find the RBC bearing you need. Call today to see how RBC can put our experience to work for you.



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www.rbcbearings.com 800.356.6584

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