

Construction Bearings: Not Your Garden- Variety



Looking for a lightweight, reinforced, self-lubricating bearing that excels in a construction application? So was our partner when they called us to replace the corroded metal bearings on the steering assemblies of their small construction machines.

Their metal bearings were failing from constant use and exposure to rugged terrain and harsh weather conditions. A durable, reinforced plastic bearing was needed to increase overall machine productivity.

Our client manufactures compact tractors, boom style mowers and front-end loaders; the machines typically found in big-box rental centers. They found the steering mechanisms were failing from corrosion and needed to be serviced frequently. This bearing maintenance was becoming a strain on rental profits, as machines were taken out of the rental pool.

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■ A partnership with TriStar gives you a competitive edge.



TriSteel™

Which bearing did our client choose?

By retrofitting [TriSteel bearings](#) on the steering mechanism, control levers and hydraulics of their machines, our client has seen a significant reduction in service calls. [TriSteel has an unbeatable dual-layer design of metal shell and polymer liner](#) that delivered a winning combination. It has given our client a true fail/safe option for maximum equipment uptime.

TriSteel Delivers:

- **Self-lubrication** - both inner and outer layers.
- **Longer wear** - The metal backing supports liner materials made to withstand high loads, speeds and adverse environments.
- **Standard or metric dimension** - TriSteel bearings are available in inch and metric dimensions in various combinations of liners and backing materials.

[Learn how TriSteel bearings can be customized](#) to match equipment speeds, loads, and temperature requirements. Or review [TriSteel in a rigorous railroad application!](#)

1-800-TriStar [874-7827]

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing



CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



Ultracomp[®]

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact



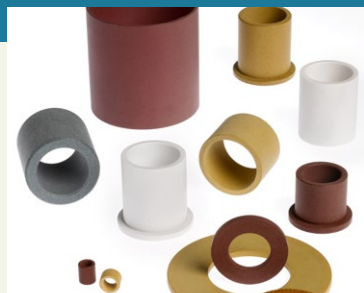
TriSteel[™]

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



Rulon[®]

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



Enhanced Materials Division

- Plasma Surface Treatment
- Specialized Primers & Coatings
- Material ID & Selection
- Process Engineering | Analysis & Testing



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Engineered Plastic Solutions[™]

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