

Greaseless Bearings: From Forestry to Furniture



The lumber industry has unique needs for their equipment bearings, and quite frankly, bronze bearings just don't cut it. But composite blend, greaseless bearings are improving equipment performance from the forestry floor to the furniture showroom.

Forestry applications present unique challenges for bearings, from the pounding sun and rain to the remote locations where regular maintenance is out of reach. But composite bearings are built to harvest and load timber in any conditions; you'll find them on the pivot points, rubber tracks and oscillating point of harvest machines.

Need a [custom-fabricated replacement](#) for bronze bearings? [Connect with TriStar's Bearing Experts for a custom quote.](#) And you, too, can "log" big gains in your production!

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■ A partnership with TriStar gives you a competitive edge.



CJ Bearings

Composite bearings excel in forestry equipment

Where bronze bearings corrode from outdoor exposure, greaseless composites excel. Where bronze fails from accumulated wood dust and debris, greaseless bearings resist all lapping compounds for extended service. And there's no fear of contaminating fragile forests with oil spillover that is a common occurrence when greasing bronze bearings; composites have a [self-lubricating](#) design to eliminate this threat. [Read how self-lubricating bearings go green for forestry.](#)

...and continue on to high-speed ring debarkers

From the forest floor to the processing facility, composite bearings also power the debarkers needed to process furniture planks. These high-speed machines push logs through multiple, loaded arms that strip the bark off the trees at high speeds and in punishing conditions. We've replaced bronze bearings with [CJ composites](#) on the pivot points of the loaded arms. CJs extend service life and never need tuning or maintenance. Rulon 142 and other Rulon blends have also excelled in forestry on the adjusting gibs of equipment side arms and motor mounts.

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



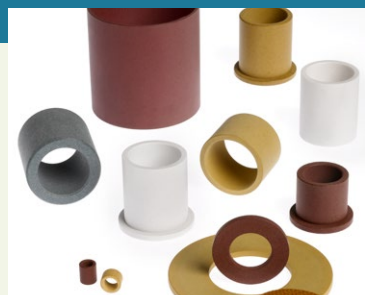
TriSteel[™]

- 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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