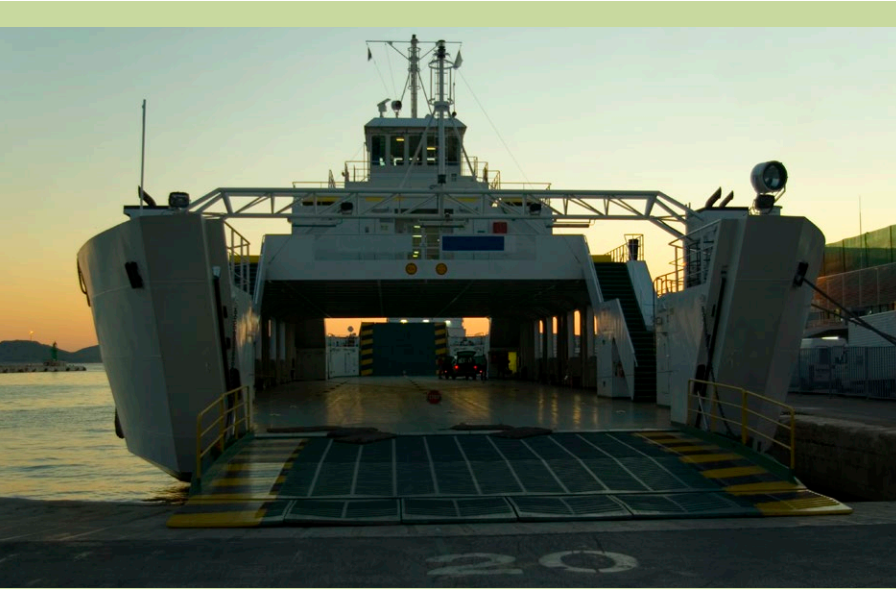


Ultracomp[®] Bearings Give Smooth Dockside Operation

■ A partnership with TriStar gives you a competitive edge.



Ultracomp Bearings

A manufacturer of ferry ramps contacted us to replace the failing metal bearings located on the pivot points of their dockside ramps. They explained that the ramps' metal components would seize and corrode as they pivoted to load and unload vehicles onto the ferry.

By nature, metal is not waterproof, and it could not tolerate the tough combination of corrosive sea salt, wind and water spray of this ocean-side application. Designers also explained that the constant motion of loading/unloading cars and other cargo caused the bearings to fail prematurely. And with each bearing failure, a repair team was called in to replace parts.

Clearly, metal bearings were no match for this application.

Our design team recommended plastic Ultracomp composites for the oscillating pivot points

Since installing [Ultracomp](#) on the slide panels and clamps, the ferry ramps have achieved a smooth, even glide without any seizure, even in extreme weather conditions. This material also has given the material superior tolerance against the vibration and impact of cargo loading. And best of all, this waterproof bearing has saved the ferry company thousands in maintenance and replacement costs.

Ultracomp has received the prestigious [American Board of Shipping's Product Design Certification](#), which classifies it for use aboard ship and other [marine applications](#), including dockside and drilling.

Ultracomp waterproof bearings excel in marine bearing applications

- Exceptional strength
- Minimal moisture absorption
- Dimensional stability in all weather
- Zero maintenance

Want to explore Ultracomp against other bearing formulas? [Check out the Materials Database for a complete comparison.](#)

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



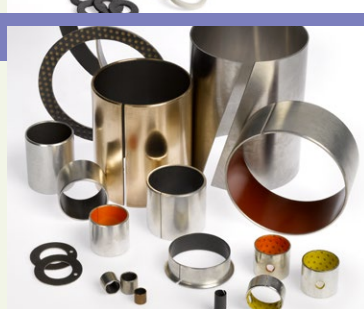
Ultracomp®

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



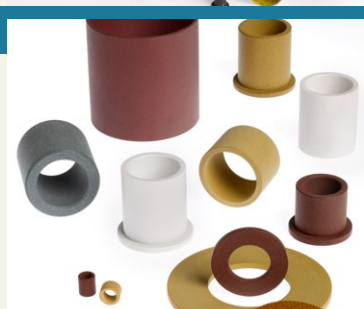
TriSteel™

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



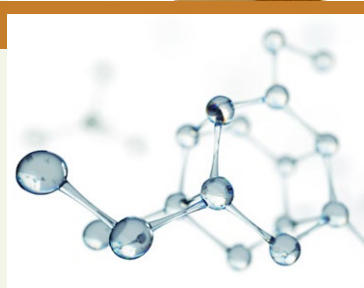
Rulon®

- 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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