

# Waterproof Bearings: Rulon<sup>®</sup> W2 Meets 3D Design



*Rulon W2 resists corrosion in freshwater applications better than any other bearing material, including bronze. By replacing failing bronze bearings on the underwater designs of a major theme park ride, owners have reduced bearing maintenance and replacement costs.*

*Our partner is a major builder of underwater animatronics who needed to source a corrosion-resistant bearing for a new design featuring 3-D props.*

*What set this project apart was the theme park's Sunbelt location, which required the tank to be treated with unusually-high chlorine levels to maintain clarity in the constant sun. But the high-chlorine levels caused the bronze bearings on the animatronics to corrode soon after installation. The corrosion created an additional maintenance chore and unnecessary expense for park staff.*

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■ A partnership with TriStar gives you a competitive edge.



Rulon W2

## **Rulon W2: Extended Lifespan and Design Flexibility**

After a site visit, [we customized Rulon W2 waterproof bearings](#) as a drop-in replacement for the corroded bronze.

Rulon W2 gives superior chemical resistance combined with good thermal stability in freshwater environments.

Since switching to Rulon W2, our client reports the bearings have provided longer wear than any other bearing material. In fact, Rulon W2 bearings are now installed on the rubber shafts of the tank's pumps and other areas throughout the park.

### **Explore Rulon**

Did you know that TriStar is the exclusive Rulon distributor in North America? [Read how to recognize genuine Rulon and avoid counterfeit!](#)

[Download our Rulon brochure](#) for more information about Rulon W2 or [reach out for expert engineering assistance.](#)

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<sup>®</sup>

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



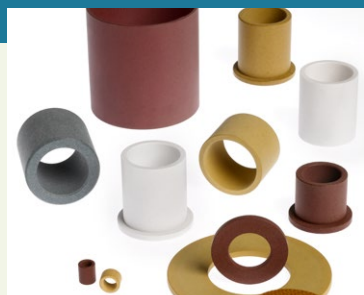
## TriSteel<sup>™</sup>

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



## Rulon<sup>®</sup>

- 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



Engineered Plastic Solutions<sup>™</sup>

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