

Rulon® W2 Bearings Outpace Chemicals & Corrosion in the Pool



Automatic pool cleaning components face many adversaries; from corrosive chemicals to UV exposure and debris collection – and not all bearings can resist the hazards of the job. Rulon W2 flange bearings are the exception.

Our partner builds pool assemblies including pumps, filtration systems, cleaners and other devices. Each of their components are subject to rough conditions as they work in a submerged environment. The company contacted us when the bronze bearings they had installed to rotate the cleaners' rubber tracks failed to propel the devices forward.

After some testing, we discovered that the bronze failed from the chemical environment. Over time, the prolonged chlorine exposure caused the bronze to pit and corrode.

www.tstar.com

■ A partnership with TriStar gives you a competitive edge.



Rulon W2

We replaced the bronze with Rulon W2 flange bearings

Rulon W2 is a PTFE-based compound that is specially designed to excel in fresh water applications. In fact, the performance properties of Rulon W2 increase the longer the material is submerged.

The result of this application?

Rulon W2 flange bearings have become the go-to material for our pool equipment manufacturer. New bearings on the rubber tracks have reduced the time needed for each pool cleaning, as the device moves faster and further than ever before. All without regular bearing maintenance, no water absorption, and low friction.

Why choose Rulon W2 for your next application?

The material provides:

- Near-zero corrosion
- Long service life without maintenance
- Low-friction for longer wear
- Good tolerance to chemical elements

Rulon W2 is compatible with most mating materials and is DWGV certified [Europe] for direct contact with drinking water.

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



TriStar



Engineered Plastic Solutions[™]

tstar.com



1.800.874.7827