

# Rulon<sup>®</sup> Bearings Go Green for Paper and Lumber Industries

A partnership with TriStar gives you a competitive edge.



Rulon LR Bearings

*Grease-free and long-lasting, self-lubricating bearings are the green choice for use on the equipment used to harvest and process lumber and paper products.*

*But the green factor took on a whole new meaning recently when we partnered with a Northwest paper manufacturer who operates a completely self-sustaining plant.*

*Our partner repurposes all waste material from their production line to fuel their steam generation plant. During a site visit, [our team](#) noted that their steam turbines contained large control valves with pneumatic actuators with defective bronze bearings. Upon further inspection, we saw that the steam from the actuators caused the lubrication on the bronze bearings to disintegrate. Without the right lubrication, the bronze failed and caused a shut-down on the line.*

**Our team replaced the failed bronze with Rulon LR bearings**

Rulon LR was the best option since it easily resists steam vapors and never needs lubrication. The material also provides exceptional compatibility with mating hardware, plus good frictional properties.

Rulon Comparison Chart														
Rulon® Grades	Grade	HS	LS	J	LSI	LS2	LS3	LS4	LS5	LS6	LS7	LS8	LS9	LS10
Comments	Color	Maroon	Maroon	Gold	White	Black	Black	Tan	Green	Tan	Tan	Black	Gold	White
Max Load "Y" (psi)	1,000	1,000	750	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Max Speed "Y" (ft/min)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max "Y" (psi)	10,000	10,000	7,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Rz 25 & higher	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rz 35 & higher	X	X										X	X	
Mating														

[Compare Rulon formulas with our online chart.](#)

This application had a completely green ending; as the grease-free Rulon bearings saved our client the task of manually greasing the bronze, and it also saved them thousands of dollars in labor and parts.

Is Rulon the green solution for your plant? Check out our [Rulon technical white papers](#) to explore the possibilities!

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



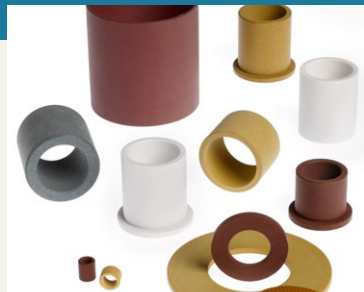
## TriSteel<sup>™</sup>

- 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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