

# Rulon<sup>®</sup> J Eliminates Stick/Slip in Military Rifles



*With a client base covering more than 70 industries, there is never a dull day in the TriStar labs. But occasionally, a unique application comes along that stands apart from the rest. This was the case when we solved a “sticky” situation for a 50-caliber semi-automatic rifle.*

*We were approached by an international manufacturer of remote sniper weapons to eliminate the “sticky” problem they were having with the mounting and pivot points of the rifle. Our client described how they required a precision bearing to help the rifles glide smoothly into place in active battle.*

The challenge was in sourcing a lightweight, durable trunnion bearing that would allow for smooth shooting and movement of a remote weapon in an active military zone. And Rulon J fit the bill.

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■ A partnership with TriStar gives you a competitive edge.



Rulon J Bearings

Rulon J provided the wear, durability and friction-resistance to excel in this demanding application. The material is ideal for start/stop applications where stick/slip must be eliminated. And the bonus is that Rulon J - like all Rulon formulas - is a self-lubricating material that never needs greasing. Check out the [Rulon Bearing Selector Guide](#) to review the many formulas of Rulon.

[Explore Rulon J in our free white paper!](#) Or just [Ask an Expert!](#)

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## Rulon J Hits the Silver Screen



if you want to see this application for yourself, it hit the big screen in the movie [Vantage Point](#), a 2008 tale of assassination that featured this very Rulon bearing-enhanced rifle in a key scene. [Check out the trailer here!](#)

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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



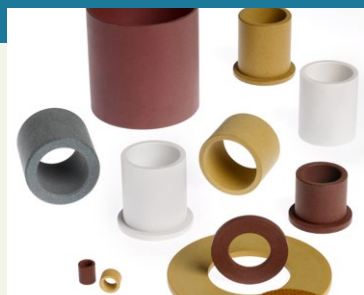
## TriSteel<sup>™</sup>

- 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
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